IAP Cover Sheet	Version Name: Period 9
Incident Name: 2nd 80's Fire	Period: Period 9 [04/01/2019 07:00 - 04/03/2019 07:00]

Approved By

Federal OSC:		Stephen Mason 3/31/2019
State OSC:		Sumner Wingo 3/31/19
Incident Commander:		David Wascom 3/31/19

Incident Action Plan

Notes

Period 9 IAP (48 hour Operational Period)

2nd 80's Tank Farm

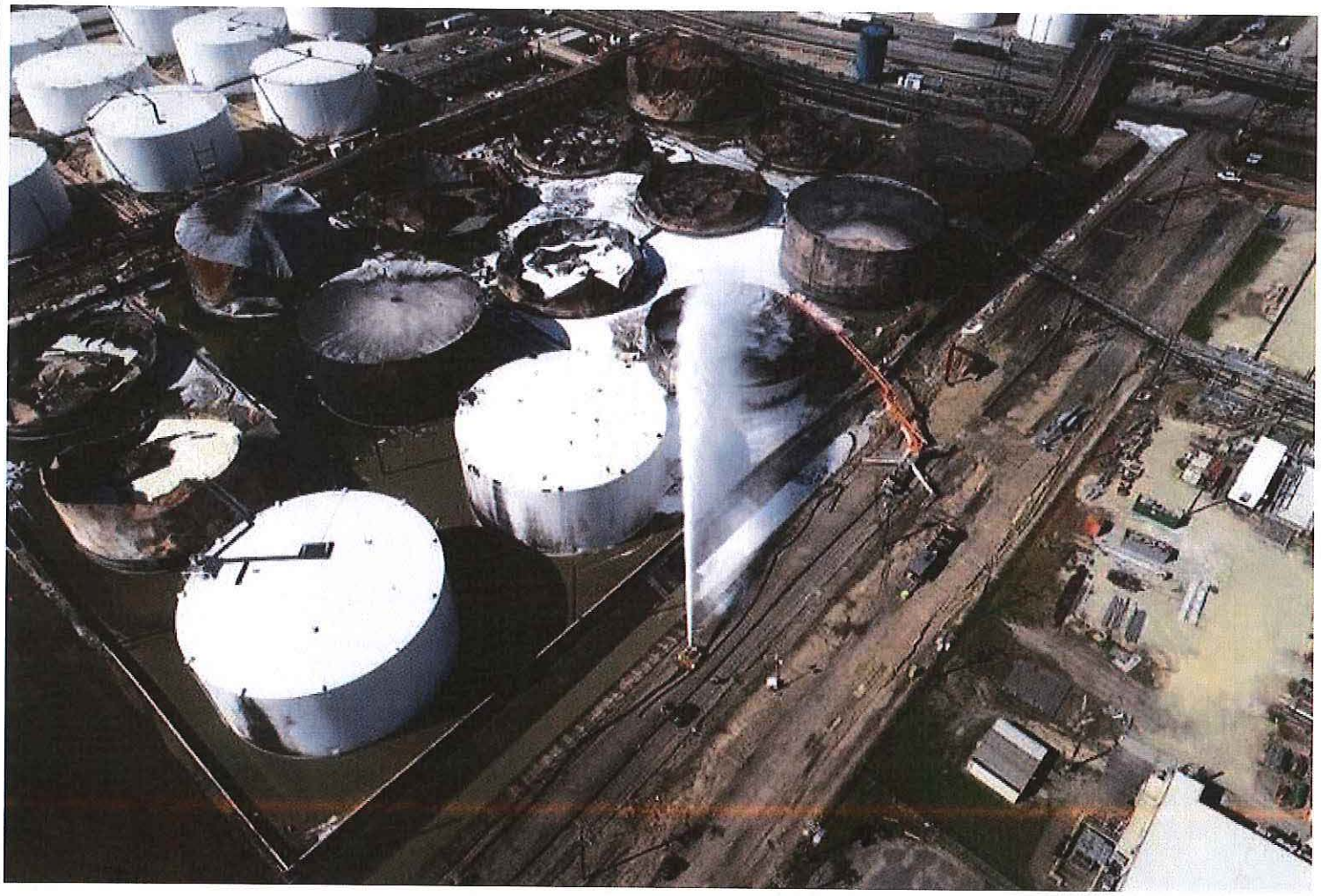

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Table of Contents

Incident Name: 2nd 80's Fire	Period: Period 9 [04/01/19 07:00 - 04/03/19 07:00]

Report Name	*Page*
IAP Cover Sheet	1
Weather Report	3
Map/Sketch	5
ICS 202 - Incident Objectives	6
ICS 204 - Assignment List	7
ICS 205 - Radio Communications	53
ICS 205a - Communications List	54
ICS 206 - Medical Plan	56
ICS 207 - Organization Chart	67
ICS 208 - Site Safety Plan	71

Present Conditions

Weather Conditions as of 03/31/2019 21:26

deer park station id: MID_UR113

Temperature:	49° Fahrenheit	***Feels Like:***	49° Fahrenheit
Wind Speed:	6 mph	***Dew Point:***	° Fahrenheit
Wind Direction (from):	NE	***Pressure:***	psi
Visibility:	mile(s)	***UV Index:***	
Humidity (%):		***Sunrise:***	07:10
:	Partly Cloudy	***Sunset:***	19:38
:	Partly Cloudy		
Current Speed:		***Wave Height:***	feet feet
Current Direction (to):		***Wave Direction:***	NE
Water Temperature:	° Fahrenheit	***Swell Interval:***	day(s) feet

Forecast Date				
Sun 03/31/2019	56 F	**Mostly Cloudy with Isolated Showers** **Chance of Precipitation(%):** 19% **Wind:** 13 mph	45 F	**Partly Cloudy** **Chance of Precipitation(%):** 9% **Wind:** 5 mph
Mon 04/01/2019	57 F	**Partly Cloudy with Isolated Showers** **Chance of Precipitation(%):** 14% **Wind:** 6 mph	43 F	**Clear** **Chance of Precipitation(%):** 9% **Wind:** 4 mph
Tue 04/02/2019	68 F	**Mostly Sunny** **Chance of Precipitation(%):** 1% **Wind:** 3 mph	54 F	**Mostly Clear** **Chance of Precipitation(%):** 0% **Wind:** 6 mph

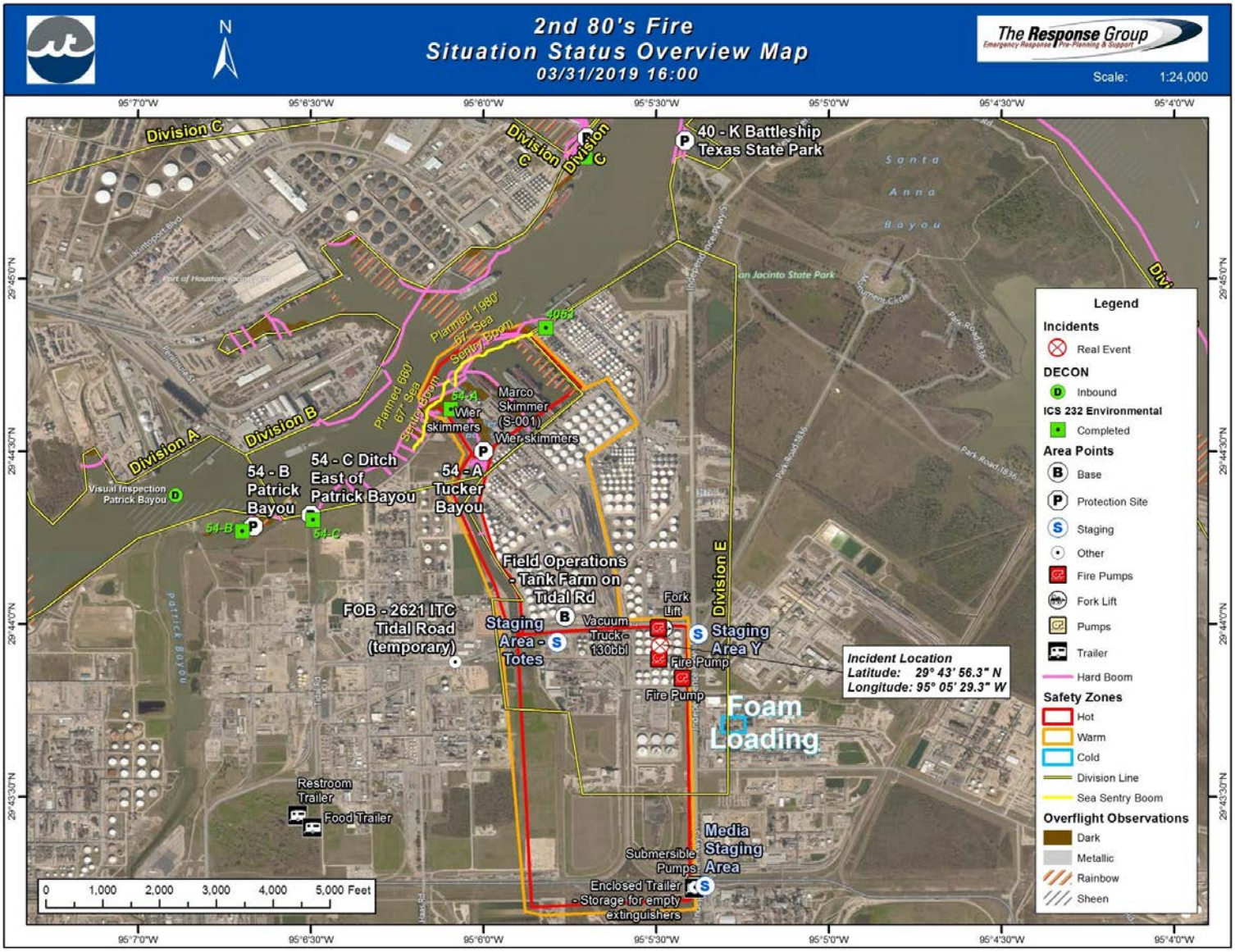
Tides

	Tide	***Height***	***UOM***	***Time***	***Tide Station Location***
Mon 04/01/2019	Low	0.301	feet	13:50	Lynchburg Landing, San Jacinto River, Tx Us
	High	1.469	feet	21:20	Lynchburg Landing, San Jacinto River, Tx Us
Tue 04/02/2019	Low	1.006	feet	03:36	Lynchburg Landing, San Jacinto River, Tx Us
	High	1.111	feet	07:30	Lynchburg Landing, San Jacinto River, Tx Us
	Low	0.387	feet	14:31	Lynchburg Landing, San Jacinto River, Tx Us
	High	1.409	feet	21:37	Lynchburg Landing, San Jacinto River, Tx Us

Wed 04/03/2019	Low	0.904	feet	03:19	Lynchburg Landing, San Jacinto River, Tx Us
	High	1.192	feet	08:35	Lynchburg Landing, San Jacinto River, Tx Us
	Low	0.515	feet	15:09	Lynchburg Landing, San Jacinto River, Tx Us
	High	1.338	feet	21:45	Lynchburg Landing, San Jacinto River, Tx Us

Incident Map/Sketch

20190331 Situation Status Map 1600



Objective(s)

Ensure the Safety of the Public and Response Personnel.
Obtain & Maintain Traffic Control on Independence Parkway
Maximize the Protection of Public Health and Welfare.
Maximize Protection of Environmentally and Socially Sensitive Areas.
Monitor, Recover, and Rehabilitate Impacted Wildlife
Maintain Fire Suppression Activities to Prevent Re-ignition and Suppress Vapor. Continue Assessing Risk in Tank Area for Site Stabilization.
Support and Facilitate Evidence Preservation in the Tank Farm Area
Continue Execution of Water and Product Removal Plan.
Minimize Further Release of Product from the Facility.
Contain and Recover Spilled Material.
Prevent Further Impacts to Maritime Transportation.
Ensure Port Recovery and Restoration.
Keep the Public, Stakeholders and the Media Informed of Response and Recovery Activities.

Operational Period Command Emphasis (Safety Message, Priorities, Key Decisions/Directions)

Safety is the number one priority. All responders have "Stop Work Authority." Report any unsafe acts or situation to your supervisor immediately.

Incident Action Plan Components

x	IAP Cover Sheet	x	ICS 202 - Incident Objectives
	ICS 203 - Organization Assignment List	x	ICS 204 - Assignment List
x	ICS 205 - Radio Communications	x	ICS 205a - Communications List
x	ICS 206 - Medical Plan	x	ICS 207 - Organization Chart
x	ICS 208 - Site Safety Plan	x	Situation Status Map
	Trajectory Maps	x	Weather Report

Operations Personnel

Position	Name	Affiliation	Contact Number(s)	Work Shift
Operations Section Chief	Jacobson, Jeff	ITC	713-516-6916	Day Shift
Deputy Operations Section Chief	Burditt, John	ITC	832-240-6440	Day Shift
Deputy Operations Section Chief	Cadena, Hector	ITC	832-284-3127	Night Shift
Deputy Operations Section Chief	Riedel, James			Day Shift
Deputy Operations Section Chief (USCG)	Shamilov, Rafael	USCG	415-786-4750	Day Shift
Water Operations Branch Director	McLelland, Reid	ITC	281-838-7567	Day Shift
Water Operations Branch Director	Young, Kevin	ITC	281-786-9383	Night Shift
Water Operations Branch Director	Carroll, Amos	USCG	(832) 256-3265	Day Shift
Water Operations Branch Director	Swanney, Kyle	USCG	(832) 256-7210	Night Shift
Division A Supervisor	Ward, Taylor	USCG	251-300-4189	Day Shift

Resources Required

Area Of Operation	Resource Kind	Description	Quantity	Size
Division A	Boom	Boom	4200	18 inch (es)
Division A	Marco Skimmer	Marco Skimmer	4	
Division A	Foilex Skimmer	Foilex Skimmer	2	
Division A	Weir Skimmer	Weir Skimmer	5	
Division A	Vacuum Truck 130 bbl	Vacuum Truck 130 bbl	6	
Division A	Shallow Water Barge (SWB)	Shallow Water Barge (SWB)	2	
Division A	Support Vessel	Support Vessel	8	
Division A	Spill Tech	Spill Tech	94	
Division A	Air Monitoring Tech	Air Monitoring Tech	6	

Assignments

As directed, conduct booming and recovery operations in Division A.

Maintain diversion booms off of Shell (Site #1) and Stolthaven (Site #2), Stolthaven (Site #3), near Patrick Bayou (Site #4) Enterprise docks. Based on changing weather conditions, be prepared to adjust containment & recovery tactics as necessary.

- RECOVERY -
Recover pockets of oil as directed with small skimming vessels and vac trucks.

(4) Marcos, (2) Foilex Skimmers on SBS Barges, and (6) 130 bbl Vacuum Trucks will be utilized to recover spilled material (3) Weir Skimmers on Barge Boats. Recovered material will be offloaded into the Texas Responder. Use of the 30,000 bbls storage barge will be shared between Divisions A & B as directed.
During daytime operations, shallow water barges will pump off into the Texas Responder.
The Texas Responder will pump off into the 30,000 bbl support barge located at the De ZaValla Fleet as needed.

Material collected by vacuum trucks and skimmers will be managed in accordance with a Waste Management Plan.

Each team of vessels are required to have at least one (1) air monitoring technician on board at all times.

Special Instructions

Provide amount of material recovered by division to the Water Operations Branch Director by 05:30, 10:30 & 16:30 daily.

Water Operations Branch Director:
Reid McLelland (281) 838-7567

ALTERNATE PHONE NUMBER:
Situation Unit - (801) 556-3369

Communications

Name / Function	*Contact Details*
Marine - USCG OPS / Tactical	Marine - USCG OPS 81A
Marine - Hailing and Emergency / All	Marine - Hailing and Emergency 16
Marine - OMI-On-water OPS / Tactical	Marine - OMI-On-water OPS 67
Operations/Safety/Incident Command / Operations	Operations/Safety/Incident Command 15

Special Equipment / Supplies Needed for Assignment

Utilize Viscous Sweep & Sorbent Boom as needed.

Special Environmental Considerations

Report any oiled wildlife, wildlife in foam to the Wildlife Hotline 832-368-5379. Please take photo, and document location - DO NOT APPROACH.

Report any deceased fish or wildlife found within the areas of operation to the Wildlife Hotline 832-368 5379. Please take photo and document location. DO NOT DISPOSE.

Dispose contaminated PPE, debris, and sorbent materials in approved contaminated waste containers. DO NOT DISPOSE OF CONTAMINATED MATERIALS IN GENERAL TRASH.

Special Site-Specific Safety Considerations

Watch pinch points. Use proper lifting techniques and team lift when appropriate. Maintain awareness of walking surfaces to prevent slips trips and falls. Don PFD's when working within 3 ft of the waters edge, open water or onboard a vessel.

Wear appropriate PPE - no leather gloves - communicate any unsafe situations to supervisor. Utilize stop work authority if necessary. Nobody gets hurt.

Ensure all personnel are equipped with Benzene detection. If Benzene is detected at levels higher than 0.5 ppm, evacuate the area, report to supervisor and Mike Gaudet (281-787-8256) or Mike Taylor (281) 667-1771 on Night Shift. If available don Full-Face respirator with organic cartridge prior reentry. If Benzene level reaches 25ppm or above, evacuate the area and notify Mike Gaudet. Do not reenter without donning a supplied air respirator.

All equipment and personnel must be decontaminated prior to leaving the hot zone.
Action Levels for Benzene:

>0.5 ppm - Don full face APR
>25 ppm - Supplied air; must change APR cartriges to prevent breakthrough every 4 hours.

Report any LEL detection (delineate area).

Any monitoring data that exceeds action levels will be reported to the Monitoring Supervisor. Email: Air2@iterm.com
or
Phone: 832-493-8041

20190330 Division A Grid Map

Operations Personnel

Position	Name	Affiliation	Contact Number(s)	Work Shift
Operations Section Chief	Jacobson, Jeff	ITC	713-516-6916	Day Shift
Deputy Operations Section Chief	Burditt, John	ITC	832-240-6440	Day Shift
Deputy Operations Section Chief	Cadena, Hector	ITC	832-284-3127	Night Shift
Deputy Operations Section Chief	Riedel, James			Day Shift
Deputy Operations Section Chief (USCG)	Shamilov, Rafael	USCG	415-786-4750	Day Shift
Water Operations Branch Director	McLelland, Reid	ITC	281-838-7567	Day Shift
Water Operations Branch Director	Young, Kevin	ITC	281-786-9383	Night Shift
Water Operations Branch Director	Carroll, Amos	USCG	(832) 256-3265	Day Shift
Water Operations Branch Director	Swanney, Kyle	USCG	(832) 256-7210	Night Shift
Division B Supervisor	Livingston, Gregory	USCG	860-857-4997	Day Shift
Division B Supervisor	Osborne, Scott	ITC	903-391-4831	Day Shift

Resources Required

Area Of Operation	Resource Kind	Description	Quantity	Size
Division B	Boom	Boom	40100	18 inch (es)
Division B	Harbor Boom	Harbor Boom	4500	42 inch (es)
Division B	Offshore Boom	Offshore Boom	3740	67 inch (es)
Division B	Marco Skimmer	Marco Skimmer	12	
Division B	Foilex Skimmer	Foilex Skimmer	9	
Division B	Weir Skimmer	Weir Skimmer	4	
Division B	Drum Skimmer	Queensburo Skimmer	2	
Division B	Vacuum Truck 130 bbl	Vacuum Truck 130 bbl	10	
Division B	Vacuum Truck 70 bbl	Vacuum Truck 70 bbl	20	
Division B	Shallow Water Barge (SWB)	Shallow Water Barge (SWB)	6	
Division B	Storage Barge (Inland)	Storage Barge (Inland)	1	
Division B	OSRV	Texas Responder	1	
Division B	Support Vessel	Support Vessel	11	
Division B	Spill Tech	Spill Tech	259	
Division B	Air Monitoring Tech	Air Monitoring Tech	61	

Assignments

- RECOVERY -
In coordination with air operations, crews to conduct on water recovery operations using boom, vessels, skimmers and barges along the Ship Channel as necessary. Operations will coordinate large capacity skimming vessels as needed. 24/Hr skimming operations will be conducted by large capacity skimming vessels.

-San Jacinto Port-
At Site #6 utilize assigned (4) Marcos, (2) Shallow Water Barges (with (2) GT185 Skimmers), and (10) Vacuum Trucks 130 bbls.

-Houston Fuel Oils (HFO) - maintain boom

-Tucker's Bayou-
From ITC Docks to Patrick's Bayou, conduct recovery operations utilizing (4) Marco Skimmers, (1) GT185 Skimmer, (1) Queensburo Skimmer, (2) Shallow Water Barge Systems, and (6) Support Boats. These resources will concentrate on the mouth of Tucker Bayou weather permitting. Coordinate this portion of Operations with Division E: NRC will recover product utilizing (9) foilex skimmers and (20) vacuum trucks at ITC Dock.

-Dock 4 - Dock 8 - maintain boom, utilize MSRC storage barge to offload storage tanks, recover product on water.

-Shoreline from Patrick's Bayou to Tucker's Bayou. - maintain boom and recover product.

-Battle Ship Texas SP - maintain boom and recover product

-Shoreline East of Battle Ship Texas SP to ferry - maintain boom along shoreline.

Small capacity skimming vessels to utilize support vessels equipped with totes to offload product. Recovered material will be offloaded into the Texas Responder. Use of the storage barge will be shared between Divisions A & B as directed. During daytime operations, shallow water barges will pump off into the Texas Responder. The Texas Responder will pump off into the support barge located at the De ZaValla Fleet as needed.

Material collected by vacuum trucks and skimmers will be managed in accordance with a Waste Management Plan.

All teams of vessels are required to have at least one (1) air monitoring technician on board at all times.

Special Instructions

Provide amount of material recovered by division to the Water Operations Branch Director by 05:30, 10:30 & 16:30 daily.

Water Operations Branch Director:
Reid McLelland (281) 838-7567

ALTERNATE PHONE NUMBER:
Situation Unit - (801) 556-3369

Communications

Name / Function	***Contact Details***
Marine - USCG OPS / Tactical	Marine - USCG OPS 81A
Marine - Hailing and Emergency / All	Marine - Hailing and Emergency 16
Marine - OMI-On-water OPS / Tactical	Marine - OMI-On-water OPS 67
Operations/Safety/Incident Command / Operations	Operations/Safety/Incident Command 15

Special Equipment / Supplies Needed for Assignment

Utilize Viscous Sweep & Sorbent Boom as needed.

Special Environmental Considerations

Report any oiled wildlife, wildlife in foam to the Wildlife Hotline 832-368-5379. Please take photo, and document location - DO NOT APPROACH.

Report any deceased fish or wildlife found within the areas of operation to the Wildlife Hotline 832-368 5379. Please take photo and document location. DO NOT DISPOSE.

Dispose contaminated PPE, debris, and sorbent materials in approved contaminated waste containers. DO NOT DISPOSE OF CONTAMINATED MATERIALS IN GENERAL TRASH.

Special Site-Specific Safety Considerations

Watch pinch points. Use proper lifting techniques and team lift when appropriate. Maintain awareness of walking surfaces to prevent slips trips and falls. Don PFD's when working within 3 ft of the waters edge, open water or onboard a vessel.

Wear appropriate PPE - no leather gloves - communicate any unsafe situations to supervisor. Utilize stop work authority if necessary. Nobody gets hurt.

Ensure all personnel are equipped with Benzene detection. If Benzene is detected at levels higher than 0.5 ppm, evacuate the area, report to supervisor and Mike Gaudet (281-787-8256) or Mike Taylor (281) 667-1771 on Night Shift. If available don Full-Face respirator with organic cartridge prior reentry. If Benzene level reaches 25ppm or above, evacuate the area and notify Mike Gaudet. Do not reenter without donning a supplied air respirator.

All equipment and personnel must be decontaminated prior to leaving the hot zone.

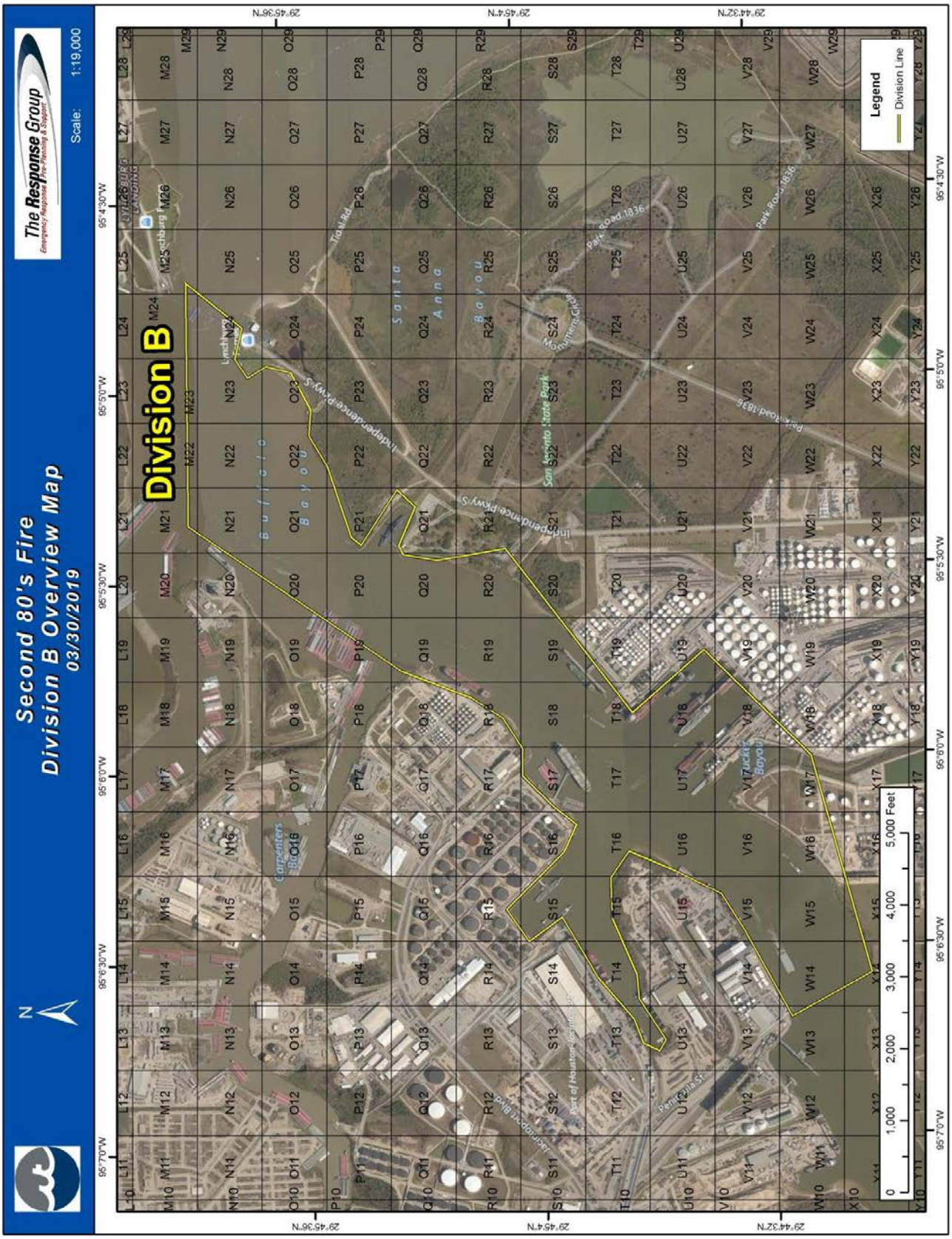
Action Levels for Benzene:

>0.5 ppm - Don full face APR
>25 ppm - Supplied air; must change APR cartriges to prevent breakthrough every 4 hours.

Report any LEL detection (delineate area).

Any monitoring data that exceeds action levels will be reported to the Monitoring Supervisor. Email: Air2@iterm.com
or
Phone: 832-493-8041

20190330 Division B Grid Map



Operations Personnel

Position	Name	Affiliation	Contact Number(s)	Work Shift
Operations Section Chief	Jacobson, Jeff	ITC	713-516-6916	Day Shift
Deputy Operations Section Chief	Burditt, John	ITC	832-240-6440	Day Shift
Deputy Operations Section Chief	Cadena, Hector	ITC	832-284-3127	Night Shift
Deputy Operations Section Chief	Riedel, James			Day Shift
Deputy Operations Section Chief (USCG)	Shamilov, Rafael	USCG	415-786-4750	Day Shift
Water Operations Branch Director	McLelland, Reid	ITC	281-838-7567	Day Shift
Water Operations Branch Director	Young, Kevin	ITC	281-786-9383	Night Shift
Water Operations Branch Director	Carroll, Amos	USCG	(832) 256-3265	Day Shift
Water Operations Branch Director	Swanney, Kyle	USCG	(832) 256-7210	Night Shift
Division C Supervisor	Kyser, Christopher	USCG	713-204-6978	Day Shift
Division C Supervisor	Anderson, Byron	ITC	832-466-6646	Day Shift

Resources Required

Area Of Operation	Resource Kind	Description	Quantity	Size
Division C	Boom	Boom	32600	18 inch (es)
Division C	Marco Skimmer	Marco Skimmer	4	
Division C	Foilex Skimmer	Foilex Skimmer	2	
Division C	Vacuum Truck 70 bbl	Vacuum Truck 70 bbl	10	
Division C	Shallow Water Barge (SWB)	Shallow Water Barge (SWB)	2	
Division C	Storage Barge (Inland)	Storage Barge (Inland)	1	
Division C	Support Vessel	Support Vessel	7	
Division C	Spill Tech	Spill Tech	141	
Division C	Air Monitoring Tech	Air Monitoring Tech	26	

Assignments

- RECOVERY -

-Carpenter's Bayou-
Utilize assigned (4) Marcos, (1) GT185, (1) Queensburo, (2) Shallow Water Barges, (5) Support Boats, and (10) Vacuum Trucks 130 bbls. Continue sourcing tank barge for recovery storage capacity.

-Mouth of Old River - Conduct recovery operations utilizing (4) Marco Skimmers, (2) Foilex 150 Skimmers, (2) Shallow Water Barge Systems, and (7) Support Boats. These resources will concentrate on the mouth of Old River, weather permitting.

-Cement Plant - Maintain boom

-Kirby Fleet inside Old River - maintain boom

-KSOLV Facility - maintain boom

-River Terrace Park - maintain boom

-Orion Marine Construction Facility - Maintain boom

Deploy boom at I-10 bridge San Jacinto River Marsh on East bank.

Small capacity skimming vessels to utilize support vessels equipped with totes to offload product. Recovered material will be offloaded into storage barge. Use of this storage barge will be shared between Divisions C & D as directed.

Small capacity skimming vessels to utilize (10) vacuum trucks staged at Independence Parkway/ West Landing of Lynchburg Ferry and offload facility to offload recovered product.

Material collected by vacuum trucks and skimmers will be managed in accordance with a Waste Management Plan.

All teams of vessels are required to have at least one (1) air monitoring technician on board at all times.

Special Instructions

Provide amount of material recovered by division to the Water Operations Branch Director by 05:30, 10:30 & 16:30 daily.

Water Operations Branch Director:
Reid McLelland (281) 838-7567

ALTERNATE PHONE NUMBER:
Situation Unit - (801) 556-3369

Communications

Name / Function	***Contact Details***
Marine - USCG OPS / Tactical	Marine - USCG OPS 81A
Marine - Hailing and Emergency / All	Marine - Hailing and Emergency 16
Marine - OMI-On-water OPS / Tactical	Marine - OMI-On-water OPS 67
Operations/Safety/Incident Command / Operations	Operations/Safety/Incident Command 15

Special Equipment / Supplies Needed for Assignment

Utilize Viscous Sweep & Sorbent Boom as needed.

Special Environmental Considerations

Report any oiled wildlife, wildlife in foam to the Wildlife Hotline 832-368-5379. Please take photo, and document location - DO NOT APPROACH.

Report any deceased fish or wildlife found within the areas of operation to the Wildlife Hotline 832-368 5379. Please take photo and document location. DO NOT DISPOSE.

Dispose contaminated PPE, debris, and sorbent materials in approved contaminated waste containers. DO NOT DISPOSE OF CONTAMINATED MATERIALS IN GENERAL TRASH.

Special Site-Specific Safety Considerations

Watch pinch points. Use proper lifting techniques and team lift when appropriate. Maintain awareness of walking surfaces to prevent slips trips and falls. Don PFD's when working within 3 ft of the waters edge, open water or onboard a vessel.

Wear appropriate PPE - no leather gloves - communicate any unsafe situations to supervisor. Utilize stop work authority if necessary. Nobody gets hurt.

Ensure all personnel are equipped with Benzene detection. If Benzene is detected at levels higher than 0.5 ppm, evacuate the area, report to supervisor and Mike Gaudet (281-787-8256) or Mike Taylor (281) 667-1771 on Night Shift. If available don Full-Face respirator with organic cartridge prior reentry. If Benzene level reaches 25ppm or above, evacuate the area and notify Mike Gaudet. Do not reenter without donning a supplied air respirator.

All equipment and personnel must be decontaminated prior to leaving the hot zone.

Action Levels for Benzene:

>0.5 ppm - Don full face APR
>25 ppm - Supplied air; must change APR cartriges to prevent breakthrough every 4 hours.

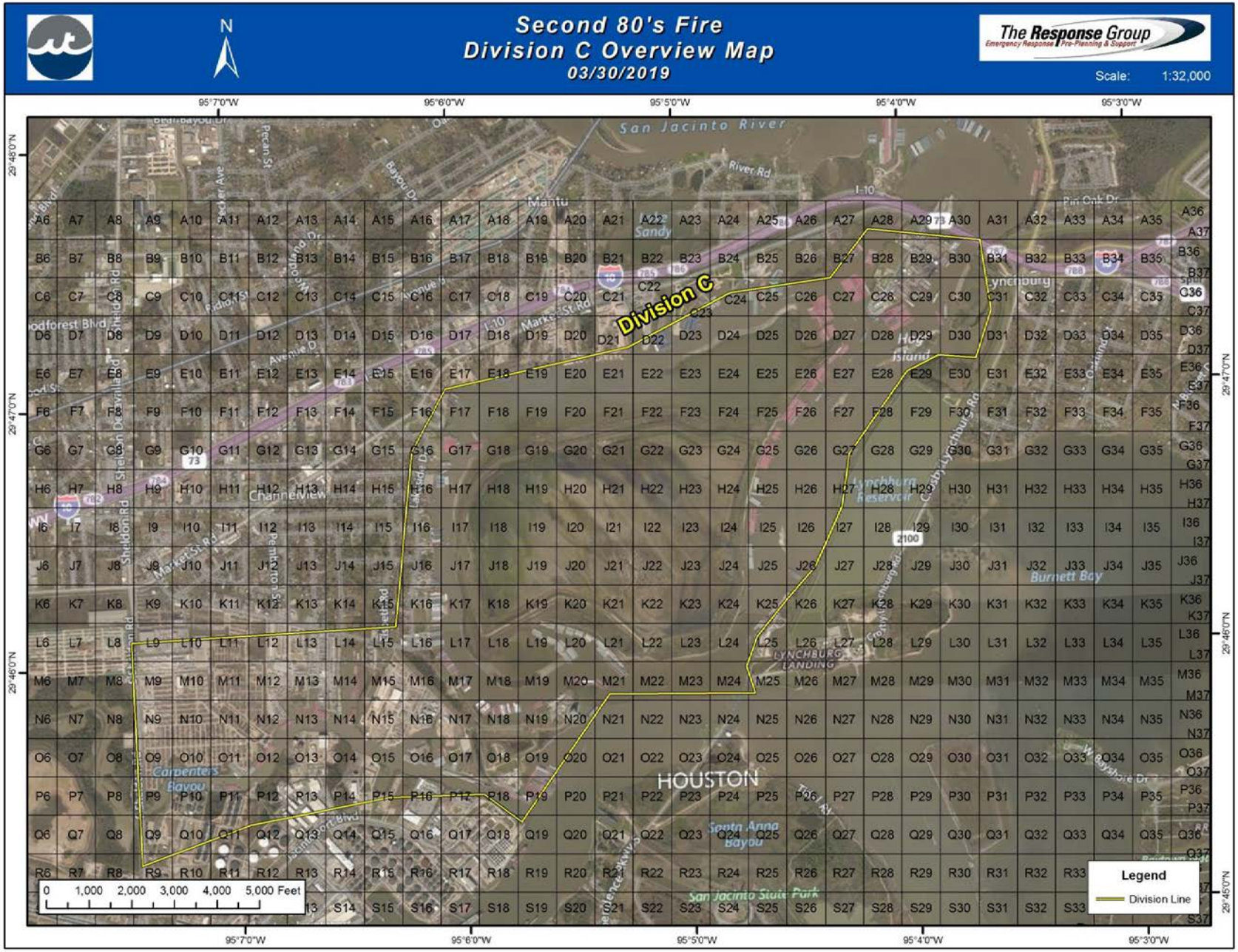
Report any LEL detection (delineate area).

Any monitoring data that exceeds action levels will be reported to the Monitoring Supervisor. Email: Air2@iterm.com
or
Phone: 832-493-8041

Incident Name: 2nd 80's Fire

Period: Period 9 [04/01/2019 07:00 - 04/03/2019 07:00]

20190330 Division C Grid Map



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Operations Personnel

Position	***Name***	***Affiliation***	***Contact Number(s)***	***Work Shift***
Operations Section Chief	Jacobson, Jeff	ITC	713-516-6916	Day Shift
Deputy Operations Section Chief	Burditt, John	ITC	832-240-6440	Day Shift
Deputy Operations Section Chief	Cadena, Hector	ITC	832-284-3127	Night Shift
Deputy Operations Section Chief	Riedel, James			Day Shift
Deputy Operations Section Chief (USCG)	Shamilov, Rafael	USCG	415-786-4750	Day Shift
Water Operations Branch Director	McLelland, Reid	ITC	281-838-7567	Day Shift
Water Operations Branch Director	Young, Kevin	ITC	281-786-9383	Night Shift
Water Operations Branch Director	Carroll, Amos	USCG	(832) 256-3265	Day Shift
Water Operations Branch Director	Swanney, Kyle	USCG	(832) 256-7210	Night Shift
Division D Supervisor	Myers, Janmichael	USCG	630-390-8615	Day Shift

Resources Required

Area Of Operation	***Resource Kind***	***Description***	***Quantity***	***Size***
Division D	Boom	Boom	13400	18 inch (es)
Division D	Marco Skimmer	Marco Skimmer	2	
Division D	Support Vessel	Support Vessel	2	
Division D	Barge: Inland	Clean Channel Barge	1	
Division D	Spill Tech	Spill Tech	60	
Division D	Air Monitoring Tech	Air Monitoring Tech	9	

Assignments

- RECOVERY -
Conduct recovery operations utilizing (2) Marco Skimmers, (1) Clean Channel Barge, and (2) Support Boats. These resources will concentrate in Peggy Lake, weather permitting.

Maintain boom on west bank of San Jacinto River from Lynchberg Ferry to Bostco Facility/peggy Lake.

Maintain boom on East bank of River from Lynchberg Ferry to islands (protecting Burnet Bay) and boom between North Goat Island, South Goat Island (protecting Crystal Bay, Scott Bay)

Protection Group to deploy boom if needed and feasible to protect 54 - F Alexander Island.

Small capacity skimming vessels to utilize support vessels equipped with totes to offload product. Recovered material will be offloaded into storage barge. Use of this storage barge will be shared between Divisions C & D as directed.

Maintain deployed boom across the slip to contain spilled material near the Bostco Facility. (3/31/19 @ 11:50 Discussion)

Material collected will be managed in accordance with a Waste Management Plan.

All teams of vessels are required to have at least one (1) air monitoring technician on board at all times.

Special Instructions

Provide amount of material recovered by division to the Water Operations Branch Director by 05:30, 10:30 & 16:30 daily.

Water Operations Branch Director:
Reid McLelland (281) 838-7567

ALTERNATE PHONE NUMBER:
Situation Unit - (801) 556-3369

Communications

Name / Function	*Contact Details*
Marine - USCG OPS / Tactical	Marine - USCG OPS 81A
Marine - Hailing and Emergency / All	Marine - Hailing and Emergency 16
Marine - OMI-On-water OPS / Tactical	Marine - OMI-On-water OPS 67
Operations/Safety/Incident Command / Operations	Operations/Safety/Incident Command 15

Special Equipment / Supplies Needed for Assignment

Utilize Viscous Sweep & Sorbent Boom as needed.

Special Environmental Considerations

Report any oiled wildlife, wildlife in foam to the Wildlife Hotline 832-368-5379. Please take photo, and document location - DO NOT APPROACH.

Report any deceased fish or wildlife found within the areas of operation to the Wildlife Hotline 832-368 5379. Please take photo and document location. DO NOT DISPOSE.

Dispose contaminated PPE, debris, and sorbent materials in approved contaminated waste containers. DO NOT DISPOSE OF CONTAMINATED MATERIALS IN GENERAL TRASH.

Special Site-Specific Safety Considerations

Watch pinch points. Use proper lifting techniques and team lift when appropriate. Maintain awareness of walking surfaces to prevent slips trips and falls. Don PFD's when working within 3 ft of the waters edge, open water or onboard a vessel.

Wear appropriate PPE - no leather gloves - communicate any unsafe situations to supervisor. Utilize stop work authority if necessary. Nobody gets hurt.

Ensure all personnel are equipped with Benzene detection. If Benzene is detected at levels higher than 0.5 ppm, evacuate the area, report to supervisor and Mike Gaudet (281-787-8256) or Mike Taylor (281) 667-1771 on Night Shift. If available don Full-Face respirator with organic cartridge prior reentry. If Benzene level reaches 25ppm or above, evacuate the area and notify Mike Gaudet. Do not reenter without donning a supplied air respirator.

All equipment and personnel must be decontaminated prior to leaving the hot zone.

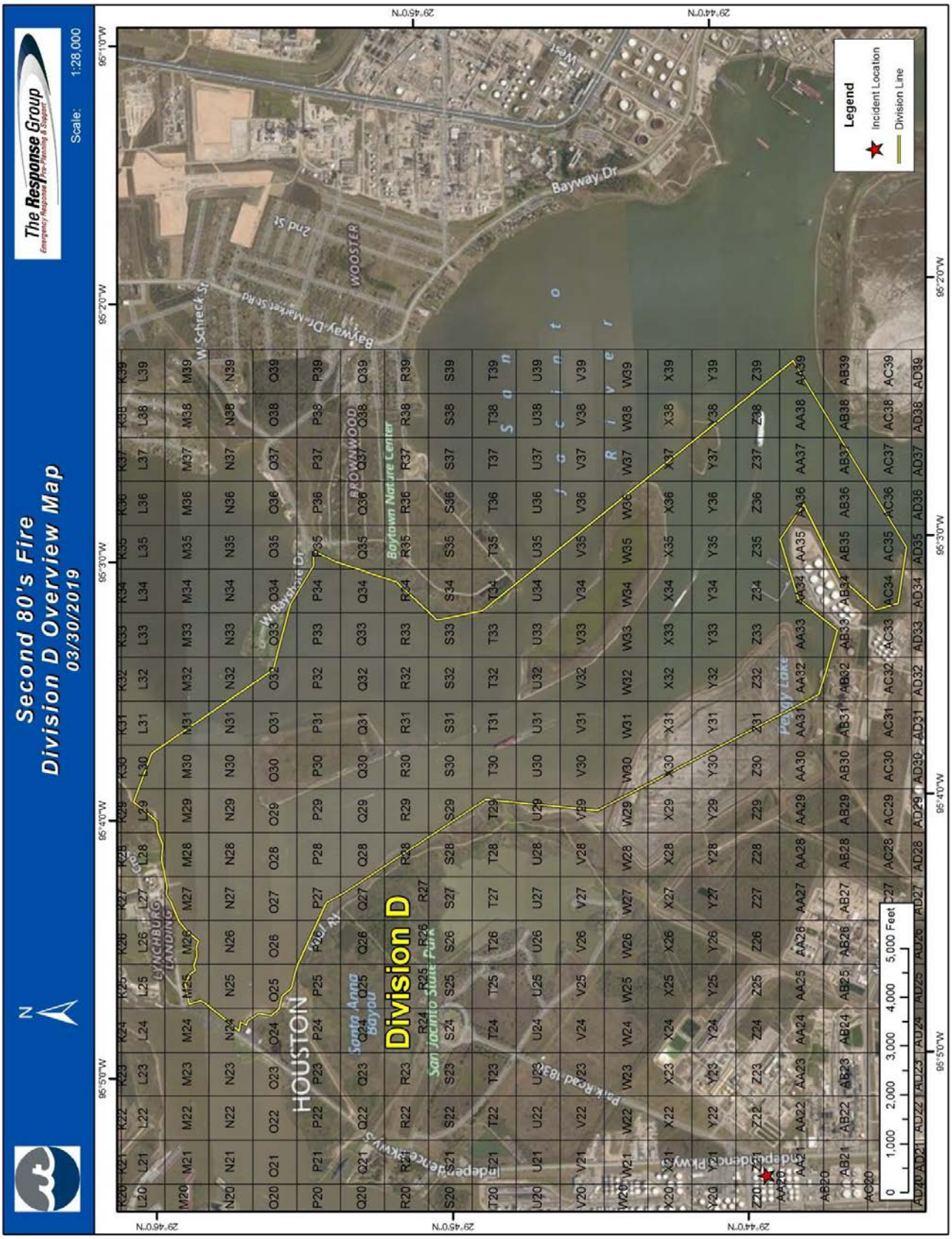
Action Levels for Benzene:

>0.5 ppm - Don full face APR
>25 ppm - Supplied air; must change APR cartriges to prevent breakthrough every 4 hours.

Report any LEL detection (delineate area).

Any monitoring data that exceeds action levels will be reported to the Monitoring Supervisor. Email: Air2@iterm.com
or
Phone: 832-493-8041

20190330 Division D Grid Map



Operations Personnel

Position	Name	Affiliation	Contact Number(s)	Work Shift
Operations Section Chief	Jacobson, Jeff	ITC	713-516-6916	Day Shift
Deputy Operations Section Chief	Burditt, John	ITC	832-240-6440	Day Shift
Deputy Operations Section Chief	Cadena, Hector	ITC	832-284-3127	Night Shift
Deputy Operations Section Chief	Riedel, James			Day Shift
Deputy Operations Section Chief (USCG)	Shamilov, Rafael	USCG	415-786-4750	Day Shift
Water Operations Branch Director	McLelland, Reid	ITC	281-838-7567	Day Shift
Water Operations Branch Director	Young, Kevin	ITC	281-786-9383	Night Shift
Water Operations Branch Director	Carroll, Amos	USCG	(832) 256-3265	Day Shift
Water Operations Branch Director	Swanney, Kyle	USCG	(832) 256-7210	Night Shift
Division E Supervisor	Willis, Hunter	ITC	346-233-2879	Day Shift
Division E Supervisor	Brescia, Nicolas	Environmental Protection Agency	214-789-8383	Day Shift

Resources Required

Area Of Operation	Resource Kind	Description	Quantity	Size
Division E	Boom	Boom	1400	18 inch (es)
Division E	Vacuum Truck 70 bbl	Vacuum Truck 70 bbl	3	
Division E	Spill Tech	Spill Tech	5	

Assignments

-RECOVERY-
Coffer dam has been constructed on the ditch south of Tidal Rd. which leads to Tucker Bayou. Vacuum trucks will continue recover product from this location. Evaluation of options for additional Coffer dam construction will continue.

-Tucker Bayou from Tank Farm to Pipe Rack -
EPA to possibly conduct test flush along drainage ditch leading to Tuckers Bayou before the coffer dam and will collect with vacuum truck.

Material collected by vacuum trucks and skimmers will be managed in accordance with a Waste Management Plan.

Special Instructions

Provide amount of material recovered by division to the Water Operations Branch Director by 10:30 & 16:30 daily.

Water Operations Branch Director:
Reid McLelland (281) 838-7567

Special Equipment / Supplies Needed for Assignment

Utilize Viscous Sweep & Sorbent Boom as needed.

Special Environmental Considerations

Report any oiled wildlife, wildlife in foam to the Wildlife Hotline 832-368-5379. Please take photo, and document location - DO NOT APPROACH.

Report any deceased fish or wildlife found within the areas of operation to the Wildlife Hotline 832-368 5379. Please take photo and document location. DO NOT DISPOSE.

Dispose contaminated PPE, debris, and sorbent materials in approved contaminated waste containers. DO NOT DISPOSE OF CONTAMINATED MATERIALS IN GENERAL TRASH.

Special Site-Specific Safety Considerations

Watch pinch points. Use proper lifting techniques and team lift when appropriate. Maintain awareness of walking surfaces to prevent slips trips and falls. Don PFD's when working within 3 ft of the waters edge, open water or onboard a vessel.

Wear appropriate PPE - no leather gloves - communicate any unsafe situations to supervisor. Utilize stop work authority if necessary. Nobody gets hurt.

Ensure all personnel are equipped with Benzene detection. If Benzene is detected at levels higher than 0.5 ppm, evacuate the area, report to supervisor and Mike Gaudet (281-787-8256) or Mike Taylor (281) 667-1771 on Night Shift. If available don Full-Face respirator with organic cartridge prior reentry. If Benzene level reaches 25ppm or above, evacuate the area and notify Mike Gaudet. Do not reenter without donning a supplied air respirator.

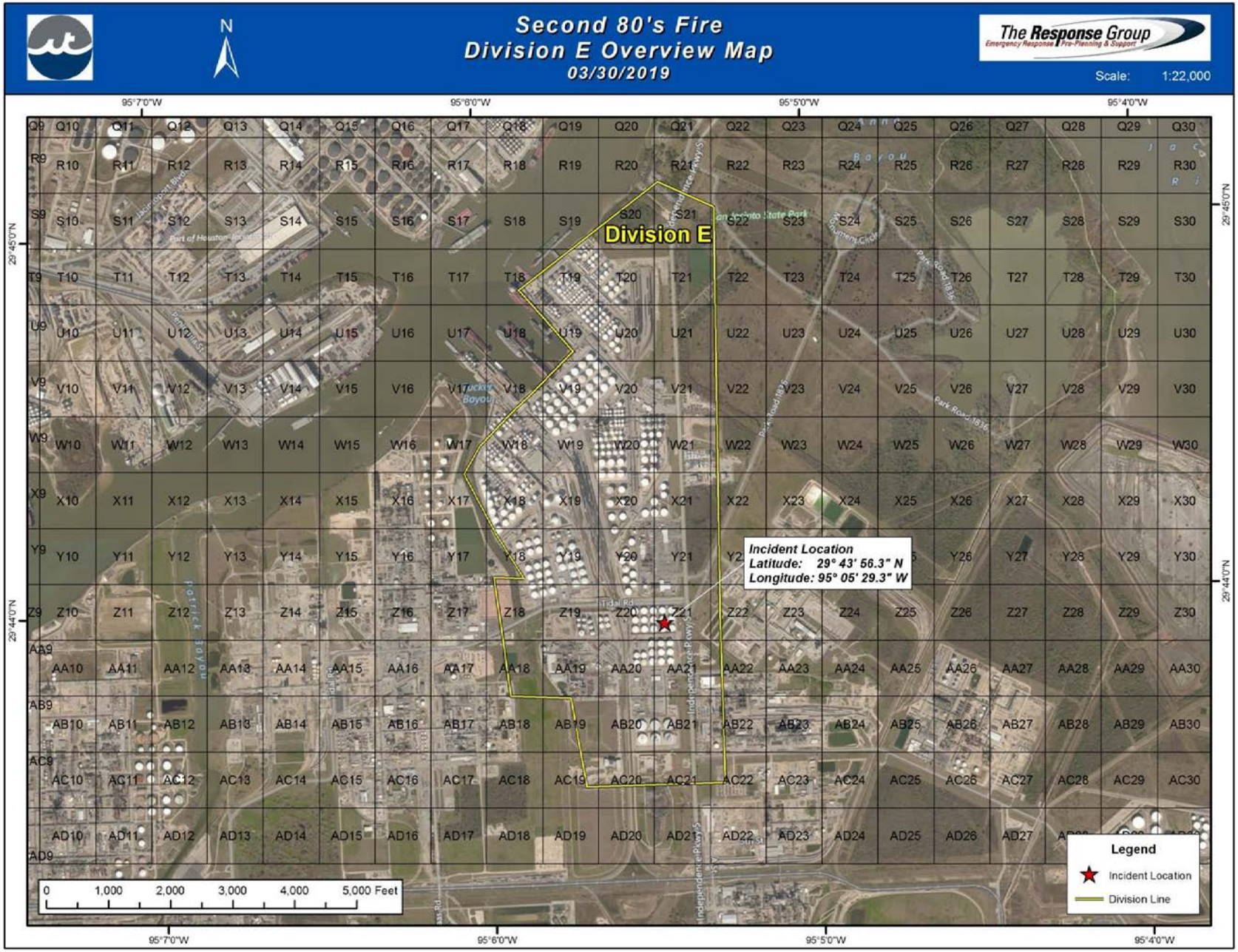
All equipment and personnel must be decontaminated prior to leaving the hot zone.

Any monitoring data that exceeds action levels will be reported to the Monitoring Supervisor. Email: Air2@iterm.com
or
Phone: 832-493-8041

Incident Name: 2nd 80's Fire

Period: Period 9 [04/01/2019 07:00 - 04/03/2019 07:00]

20190330 Division E Map



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Operations Personnel

Position	Name	Affiliation	Contact Number(s)	Work Shift
Operations Section Chief	Jacobson, Jeff	ITC	713-516-6916	Day Shift
Deputy Operations Section Chief	Burditt, John	ITC	832-240-6440	Day Shift
Deputy Operations Section Chief	Cadena, Hector	ITC	832-284-3127	Night Shift
Deputy Operations Section Chief	Riedel, James			Day Shift
Deputy Operations Section Chief (USCG)	Shamilov, Rafael	USCG	415-786-4750	Day Shift
Water Operations Branch Director	McLelland, Reid	ITC	281-838-7567	Day Shift
Water Operations Branch Director	Young, Kevin	ITC	281-786-9383	Night Shift
Water Operations Branch Director	Carroll, Amos	USCG	(832) 256-3265	Day Shift
Water Operations Branch Director	Swanney, Kyle	USCG	(832) 256-7210	Night Shift
Protection Group Supervisor	Baquet, Gerry	ITC	281-513-5469	Day Shift

Resources Required

Area Of Operation	Resource Kind	Description	Quantity	Size
Protection Group	Safety Personnel	Air Monitoring Specialist	9	
Protection Group	Manpower: Responder	Spill Tech	8	
Protection Group	Vessel	Work Boat	4	
40 - G Burnet Bay Marsh (East)	Boom	Protection Boom	1000	inch (es)
40 - M Baytown Nature Center	Boom	Protection Boom	1500	inch (es)
40 - O Baytown Nature Center Marsh	Boom	Protection Boom	1500	inch (es)

Assignments

Maintain boom to protect water intakes and environmentally sensitive areas in coordination with the Protection Group Supervisor and Environmental Unit Leader.

GRP Sites:

Division A:
54-B Patrick Bayou - Needs Maintenance, boom is bunched and may need to be straightened.
54-C Drainage Ditch

Division B:
40-J Carpenters Bayou
40-K Battleship
40-I Entrance to Old River

Maintain Patrick's Bayou entrance J Boom (Site #1). Maintain boom at mouth of the San Jacinto Port (Site#4), open and close as directed. Maintain and deploy additional boom as needed at Tucker's Bayou and ITC slips.

Division C:
40-L Entrance to San Jacinto River
40-F San Jacinto River Marsh
40-G Burnet Bay Marsh - Needs Maintenance. Boom piled on shoreline.
40 - F San Jacinto River Marsh (South I-10) - Assess Safety and feasibility of booming west side of island. Blocks AB38, AC38, and AD38)

Division D:
40-M Baytown Nature Center
54-D San Jacinto Battleground State Park
54-N Baytown Nature Center
TPWD-1 St. Mary's Beach
TPWD-2 South Goat Island
54-F Alexander Island - Assess Safety and feasibility of booming west side of island. Blocks AB38, AC38, and AD38)

Maintain boom at the mouth of Santa Anna Bayou. Deploy hard boom at gate of the Santa Anna Bayou. Adjust diversion boom at Bostco to angle further to the East. Contain pocket of product inside boom at Bostco. Place hard boom from Monument Inn Southeast to protect the Sandy shore.

Division E:
54-A Tucker Bayou
Water Intake 4053

Deploy additional GRPs as directed by the Environmental Unit in accordance with the ICS 232 Resources at Risk.
The following sites are on standby and will be deployed as directed by Environmental Unit.
55 - G Green’s Bayou
53 - H Goose Creek at Business Hwy 146
53 - J Hogg Island
53 - K Barbours Cut entrance
53 - L Bayland Park Marina
53 - U Cut Between Hog & Atkinson Islands
54 - G Marsh East of DuPont Barge Dock
54 - H Lower San Jacinto Bay
54 - I Barbours Cut Turning Basin Marsh
54 - M Black Duck Bay

Special Equipment / Supplies Needed for Assignment

Line Spools, 50 Anchors

Special Environmental Considerations

Report any oiled wildlife, or wildlife in foam to the Environmental Unit Lead. Please take photo, and document location - DO NOT APPROACH

Avoid vessel collisions with wildlife

Avoid walking or grounding vessels in marsh areas

Dispose contaminated PPE, debris, and sorbent materials in approved contaminated waste containers. DO NOT DISPOSE OF CONTAMINATED MATERIALS IN GENERAL TRASH.

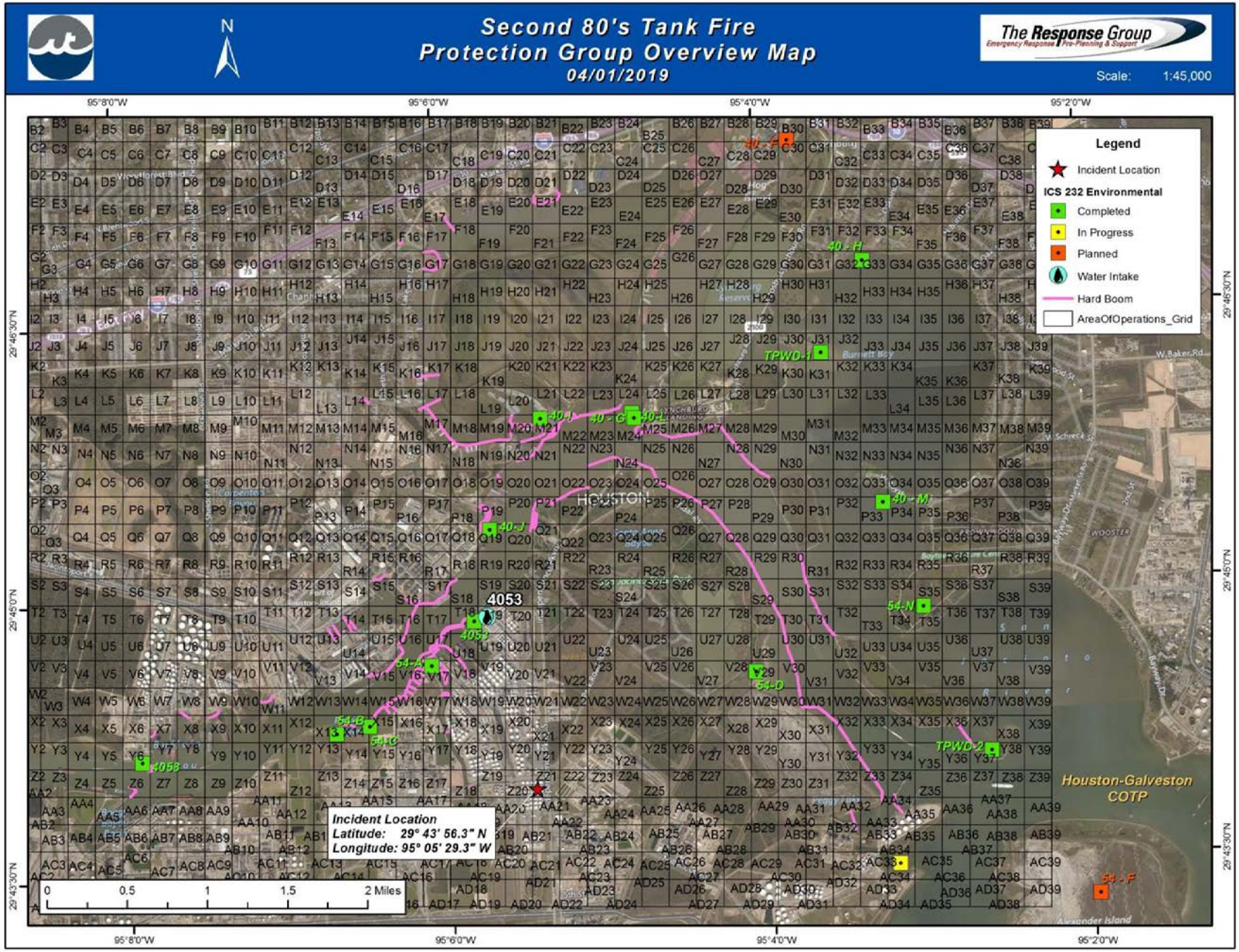
Special Site-Specific Safety Considerations

Watch pinch points. Use proper lifting techniques and team lift when appropriate. Maintain awareness of walking surfaces to prevent slips trips and falls. Maintain walking surface awareness to prevent slips, trips and falls. Don PFD's when working within 3 ft of the waters edge, open water or onboard a vessel.

Wear appropriate PPE, communicate any unsafe situations to supervisor. Utilize stop work authority if necessary. Nobody gets hurt.

Ensure all personnel are equipped with Benzene detection. If Benzene is detected at levels higher than action level, evacuate the area, report to supervisor and Mike Gaudet (281-787-8256). If available don appropriate PPE prior reentry.

20190401 Protection Group Map



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Operations Personnel

Position	Name	Affiliation	Contact Number(s)	Work Shift
Operations Section Chief	Jacobson, Jeff	ITC	713-516-6916	Day Shift
Deputy Operations Section Chief	Burditt, John	ITC	832-240-6440	Day Shift
Deputy Operations Section Chief	Cadena, Hector	ITC	832-284-3127	Night Shift
Deputy Operations Section Chief	Riedel, James			Day Shift
Deputy Operations Section Chief (USCG)	Shamilov, Rafael	USCG	415-786-4750	Day Shift
On-Water Air Monitoring Supervisor	Lopez, Christopher	ITC	281-744-3490	Day Shift
On-Water Air Monitoring Supervisor	Shunda, Alexander	USCG	609-351-7153	Day Shift

Incident Resources

Area Of Operation	Resource Kind	Description (Equip ID)	Quantity	Size	Status
On-Water Air Monitoring Group	Equipment: PPE	3M 6003/07047 Respirator Cartridge 2 pk	20 each		Assigned
On-Water Air Monitoring Group	Equipment: PPE	3M Half Face 6300/07026 Respirator	20 each		Assigned
On-Water Air Monitoring Group	Equipment: Safety	5-Gas PID Meters	7 each		Available
On-Water Air Monitoring Group	Miscellaneous	Ipads w/ESRI Collector	4 each		En route

Assignments

USCG Strike Team to conduct air monitoring throughout all divisions as directed.

Communications

Name / Function	Contact Details
Marine - USCG OPS / Tactical	Marine - USCG OPS 81A
Marine - Hailing and Emergency / All	Marine - Hailing and Emergency 16
Marine - OMI-On-water OPS / Tactical	Marine - OMI-On-water OPS 67
Operations/Safety/Incident Command / Operations	Operations/Safety/Incident Command 15

Special Environmental Considerations

Report any oiled wildlife, wildlife in foam to the Wildlife Hotline 832-368-5379. Please take photo, and document location - DO NOT APPROACH.

Report any deceased fish or wildlife found within the areas of operation to the Wildlife Hotline 832-368 5379. Please take photo and document location. DO NOT DISPOSE.

Dispose contaminated PPE, debris, and sorbent materials in approved contaminated waste containers. DO NOT DISPOSE OF CONTAMINATED MATERIALS IN GENERAL TRASH.

Special Site-Specific Safety Considerations

Follow all traffic signs, posted speeds limits and stay on paved roads. Maintain situational awareness while driving. Maintain walking surface awareness to prevent slips, trips and falls. Don PFD's when working close to open water or onboard a vessel.

Wear appropriate PPE, communicate any unsafe situations to supervisor. Utilize stop work authority if necessary. Nobody gets hurt.

Ensure all personnel are equipped with Benzene detection. If Benzene is detected at levels higher than action level, evacuate the area, report to supervisor and Mike Gaudet (281)-787-8256 on Day Shift or Mike Taylor (281) 667-1771 on Night Shift. If available don appropriate PPE prior reentry.

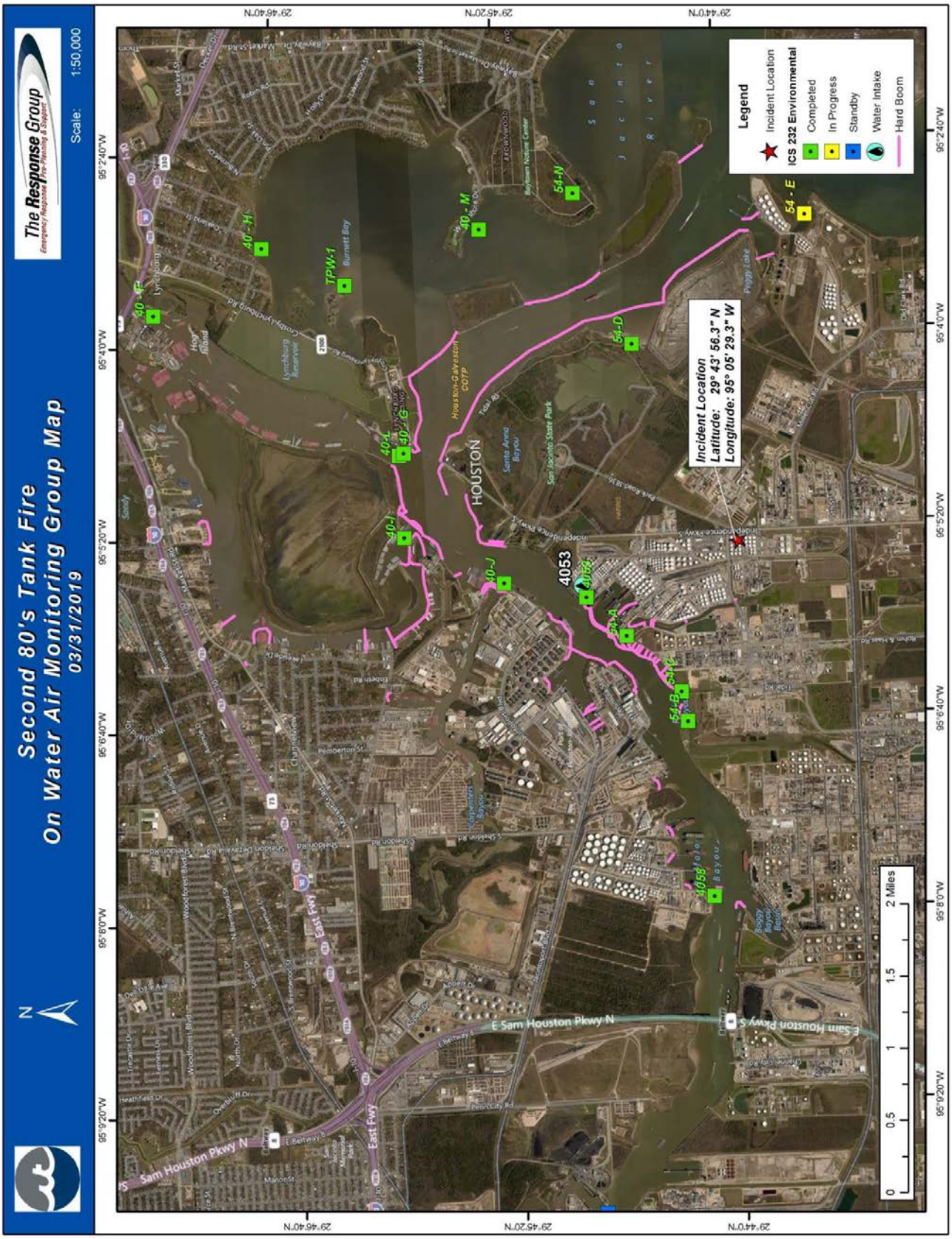
Action Levels for Benzene:

>0.5 ppm - Don full face APR
>25 ppm - Supplied air; must change APR cartriges to prevent breakthrough every 4 hours.

Report any LEL detection (delineate area).

Any monitoring data that exceeds action levels will be reported to the Monitoring Supervisor. Email: Air2@iterm.com
or
Phone: 832-493-8041

20190331 On Water Air Monitoring Group Map



Operations Personnel

Position	Name	Affiliation	Contact Number(s)	Work Shift
Operations Section Chief	Jacobson, Jeff	ITC	713-516-6916	Day Shift
Deputy Operations Section Chief	Burditt, John	ITC	832-240-6440	Day Shift
Deputy Operations Section Chief	Cadena, Hector	ITC	832-284-3127	Night Shift
Deputy Operations Section Chief	Riedel, James			Day Shift
Deputy Operations Section Chief (USCG)	Shamilov, Rafael	USCG	415-786-4750	Day Shift
Monitoring Branch Director	Gaudet, Michael	ITC	(281) 787-8256	Day Shift
Monitoring Branch Director	Taylor, Mike	ITC	(281) 667-1771	Night Shift
Air Monitoring Group Supervisor	Langley, Justin	CTEH	281-627-2889	Day Shift
Air Monitoring Group Supervisor	Allaby, Eric	CTEH	(501) 529-7164	Night Shift

Resources Required

Area Of Operation	Resource Kind	Description	Quantity	Size
Land Based Air Monitoring Group	Equipment: Safety	Air Monitoring Devices	615	
Land Based Air Monitoring Group	Manpower: Responder	Air Monitoring Tech	279	
Land Based Air Monitoring Group	Aircraft: UAV	Aircraft	1	
Land Based Air Monitoring Group	Vehicle	Vehicle	227	
Land Based Air Monitoring Group	Work Boat	Work Boat	1	
Land Based Air Monitoring Group	Boat Operator	Boat Operator	2	

Assignments

CTEH: Real time air monitoring (360 deg. 24hr) in operational areas as well as in community. (Benzene, VOCs) (34) Analytical stations samples go to lab for rush turnaround (same day or next day). See Air Monitoring Plan for details.
Air Monitoring Device Kits: 201 (3 Air Monitoring Devices per Kit)
Personnel: 238
Vehicles: 218

CTEH will work with the Division Supervisor will determine the air monitoring support level on all vessels.

EPA: (3) Roving monitoring teams conducting air monitoring. Real-time monitoring will occur via ASPECT aerial platform. TAGA bus to continue to conduct air monitoring in community areas. If there is a area of concern where TAGA can be utilized, contact EPA.
Personnel: 19
Vehicles: 1
Aircraft: 1

MSRC: (2) CTEH personnel & (1) MSRC Tech will conduct continous monitoring on the deck of the Texas Responder.
Air Monitoring Devices: 1
Personnel: 2
Vessels: 1

Hazmat Group (City of Houston, CST, Harris County Fire Marshall Office, TIFMAS): (4) (2) man teams will take readings at multiple sites around the Incident Location and will report results. If action levels are reached, Monitoring Supervisor and Harris County EOC will be notified. CST will coordinate work through Hazmat Group or Local On-Scene Coordinator.
Air Monitoring Devices: 9
Personnel: 14
Vehicles: 4

TCEQ will deploy (3) teams during day operations and (5) teams during night operations. The teams will be positioned downwind of the facility in community areas. In addition (2) air monitoring stations are strategically located in coordination with unified command.
SWS Personnel: 4
Vehicles: 3

Harris County Pollution Control: Will conduct roving monitoring along 225 and Tidal Rd to railroad tracks. Also will conduct monitoring at 225 and Miller Rd. to railroad tracks.
Air Monitoring Devices: 2
Personnel: 2
Vehicles: 1

Any monitoring data that exceeds action levels will be reported to the Monitoring Supervisor.

Email: Air2@iterm.com
Phone: 832-493-8041

Communications

Name / Function	***Contact Details***
Operations/Safety/Incident Command / Operations	Operations/Safety/Incident Command 15

Special Environmental Considerations

Report any oiled wildlife, wildlife in foam to the Wildlife Hotline 832-368-5379. Please take photo, and document location - DO NOT APPROACH.

Report any deceased fish or wildlife found within the areas of operation to the Wildlife Hotline 832-368 5379. Please take photo and document location. DO NOT DISPOSE.

Dispose contaminated PPE, debris, and sorbent materials in approved contaminated waste containers. DO NOT DISPOSE OF CONTAMINATED MATERIALS IN GENERAL TRASH.

Special Site-Specific Safety Considerations

Follow all traffic signs, posted speeds limits and stay on paved roads. Maintain situational awareness while driving. Maintain walking surface awareness to prevent slips, trips and falls. Don PFD's when working close to open water or onboard a vessel.

Wear appropriate PPE - no leather gloves - communicate any unsafe situations to supervisor. Utilize stop work authority if necessary. Nobody gets hurt.

Ensure all personnel are equipped with Benzene detection. If Benzene is detected at levels higher than action level, evacuate the area, report to supervisor and Mike Gaudet (281)-787-8256 on Day Shift or Mike Taylor (281) 667-1771 on Night Shift. If available don appropriate PPE prior reentry.

Action Levels for Benzene:

>0.5 ppm - Don full face APR
>25 ppm - Supplied air; must change APR cartriges to prevent breakthrough every 4 hours.

Report any LEL detection (delineate area).

Any monitoring data that exceeds action levels will be reported to the Monitoring Supervisor. Email: Air2@iterm.com
or
Phone: 832-493-8041

Operations Personnel

Position	Name	Affiliation	Contact Number(s)	Work Shift
Operations Section Chief	Jacobson, Jeff	ITC	713-516-6916	Day Shift
Deputy Operations Section Chief	Burditt, John	ITC	832-240-6440	Day Shift
Deputy Operations Section Chief	Cadena, Hector	ITC	832-284-3127	Night Shift
Deputy Operations Section Chief	Riedel, James			Day Shift
Deputy Operations Section Chief (USCG)	Shamilov, Rafael	USCG	415-786-4750	Day Shift
Mobile Decon Group Supervisor	Ruff, Zach	USCG	614-795-1689	Day Shift

Resources Required

Area Of Operation	Resource Kind	Description	Quantity	Size
On Water Decon Group	Vessel	Barge Boat	20	
On Water Decon Group	Work Boat	Work Boat	20	
On Water Decon Group	Boat Operator	Boat Operator	32	
On Water Decon Group	Decon Personnel	Decon Personnel	105	
On Water Decon Group	Boom	Boom	9000	18 inch (es)
On Water Decon Group	Sorbent: Boom	Sorbent: Boom	9000	
On Water Decon Group	Hot Water Pressure Washer	Hot Water Pressure Washer	15	

Assignments

Outfit, maintain, and continue to identify additional decon sites as required. Spot check teams will conduct assessment of level of contamination and direct contaminated vessels to decon site. Coordinate with MTSRU to prioritize vessels for decon. Vessel inspection team advise VTS via 21A on all ship (piloted vessels) statuses, transitting through zone and then follow-up and notify Decon Group Supervisor. Advise VTS of any tows needed decontamination. Decon operations to be conducted per the approved Decontamination Plan.

Decon Sites:
Shell Deer Park
South of Lynchberg
Barbours Point / Lash docks, Enterprise dock 7 & LBC dock 4
Southwest Shipyard
ITC Pasadena
Kirby Cleaning facility (Carpenters Bayou)

Assess and work logistics for Channel Ship Yard (San Jac.) & Old River Kirby (Old River) as potential decon sites.

Vessels will be decontaminated after containment boom is deployed after lashing and securing the vessel. Sorbent material (pads & boom) will be used to recover any residual product/runoff from the decon operation.

(6) Decon Teams will be deployed, (1) to each site, and each Decon Team will consist of:
(1) Response Boat
(2) Barges for washdown
(14) Decon technicians

All waste generated during equipment decontamination will be handled in accordance with Federal, State, and Local regulations.

Special Instructions

USCG Decon Examiner will complete the Decontamination Form for each vessel. Turn in all completed forms to the Decon Group Supervisor at the end of each shift.

Communications

Name / Function	***Contact Details***
Marine - USCG OPS / Tactical	Marine - USCG OPS 81A
Marine - Hailing and Emergency / All	Marine - Hailing and Emergency 16
Marine - OMI-On-water OPS / Tactical	Marine - OMI-On-water OPS 67
Operations/Safety/Incident Command / Operations	Operations/Safety/Incident Command 15

Special Equipment / Supplies Needed for Assignment

VHF Radio
Camera

Special Environmental Considerations

Report any oiled wildlife, wildlife in foam to the Wildlife Hotline 832-368-5379. Please take photo, and document location - DO NOT APPROACH.

Report any deceased fish or wildlife found within the areas of operation to the Wildlife Hotline 832-368 5379. Please take photo and document location. DO NOT DISPOSE.

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Wear appropriate PPE - no leather gloves - communicate any unsafe situations to supervisor. Utilize stop work authority if necessary. Nobody gets hurt.

Ensure all personnel are equipped with Benzene detection. If Benzene is detected at levels higher than 0.5 ppm, evacuate the area, report to supervisor and Mike Gaudet (281-787-8256) or Mike Taylor (281) 667-1771 on Night Shift.

If available don Full-Face respirator with organic cartridge prior reentry. If Benzene level reaches 25ppm or above, evacuate the area and notify Mike Gaudet. Do not reenter without donning a supplied air respirator.

All equipment and personnel must be decontaminated prior to leaving the hot zone.

Action Levels for Benzene:

>0.5 ppm - Don full face APR
>25 ppm - Supplied air; must change APR cartriges to prevent breakthrough every 4 hours.

Report any LEL detection (delineate area).

Any monitoring data that exceeds action levels will be reported to the Monitoring Supervisor. Email: Air2@iterm.com
or
Phone: 832-493-8041

20190331 Decon Map

Operations Personnel

Position	Name	Affiliation	Contact Number(s)	Work Shift
Operations Section Chief	Jacobson, Jeff	ITC	713-516-6916	Day Shift
Deputy Operations Section Chief	Burditt, John	ITC	832-240-6440	Day Shift
Deputy Operations Section Chief	Cadena, Hector	ITC	832-284-3127	Night Shift
Deputy Operations Section Chief	Riedel, James			Day Shift
Deputy Operations Section Chief (USCG)	Shamilov, Rafael	USCG	415-786-4750	Day Shift
Tank Farm Operations Branch Director	Holley, Carl	ITC	281-380-1012	Day Shift
Fire Suppression Group Supervisor	Dwight, Williams	US Fire Pump	409-273-4870	Day Shift
Fire Suppression Group Supervisor	Guccione, Cory	ITC	281-380-1029	Night Shift
Fire Water Containment TF Leader	Walker, Derek	ITC	281-515-0751	Day Shift
Fire Water Containment TF Leader	Martin, Gene	ITC	832-259-6587	Night Shift

Resources Required

Area Of Operation	Resource Kind	Description	Quantity	Size
Firewater Containment TF	Manpower: Responder	Manpower: Responder	4	
Firewater Containment TF	Manpower: Supervisor	Manpower: Supervisor	1	
Firewater Containment TF	Pumps	Pumps	1	
Firewater Containment TF	Vacuum Truck	Vacuum Truck	4	

Assignments

Maintain ~2' of foam and mixture within the tank farm. Will adjust accordingly if rain should occur.

Ensure all firewater/mix used in firefighting operations is contained and removed. Utilize vacuum trucks, pumps, suction hose, and manifold hose to pump water into tank 100-28. If necessary, transfer from tank 100-28 to 100-31 to drop head pressure and reduce volume to allow trucks to be able to pump into tank 100-28.

Coffer dam has been constructed on the ditch south of Tidal Rd. which leads to Tucker Bayou. Vacuum trucks will continue recover any material as needed from this location. Evaluation of options for additional Coffer dam construction will continue.

Other steps will be taken as needed to execute removal of material and stabilize the site.

Communications

Name / Function	Contact Details
ITC Trunking System / Command	ITC Trunking System Site 1 & 2
Operations/Safety/Incident Command / Operations	Operations/Safety/Incident Command 15
CIMA / Dispatch	CIMA 1

Tactical Objectives

Ensure all spilled material stays on site and in containment

Special Environmental Considerations

Report any oiled wildlife, wildlife in foam to the Wildlife Hotline 832-368-5379. Please take photo, and document location - DO NOT APPROACH.

Report any deceased fish or wildlife found within the areas of operation to the Wildlife Hotline 832-368 5379. Please take photo and document location. DO NOT DISPOSE.

Dispose contaminated PPE, debris, and sorbent materials in approved contaminated waste containers. DO NOT DISPOSE OF CONTAMINATED MATERIALS IN GENERAL TRASH.

Special Site-Specific Safety Considerations

Keep clear of heavy equipment in operation. Watch pinch points. Utilize flagger/spotter if necessary.

Wear appropriate PPE - no leather gloves - communicate any unsafe situations to supervisor. Utilize stop work authority if necessary. Nobody gets hurt.

Ensure all personnel are equipped with Benzene detection. If Benzene is detected at levels higher than action level, evacuate the area, report to supervisor and Mike Gaudet (281)-787-8256 on Day Shift or Mike Taylor (281) 667-1771 on Night Shift. If available don appropriate PPE prior reentry.

Action Levels for Benzene:

>0.5 ppm - Don full face APR
>25 ppm - Supplied air; must change APR cartriges to prevent breakthrough every 4 hours.

Report any LEL detection (delineate area).

Any monitoring data that exceeds action levels will be reported to the Monitoring Supervisor.
Email: Air2@iterm.com
or
Phone: 832-493-8041

Operations Personnel

Position	Name	Affiliation	Contact Number(s)	Work Shift
Operations Section Chief	Jacobson, Jeff	ITC	713-516-6916	Day Shift
Deputy Operations Section Chief	Burditt, John	ITC	832-240-6440	Day Shift
Deputy Operations Section Chief	Cadena, Hector	ITC	832-284-3127	Night Shift
Deputy Operations Section Chief	Riedel, James			Day Shift
Deputy Operations Section Chief (USCG)	Shamilov, Rafael	USCG	415-786-4750	Day Shift
Tank Farm Operations Branch Director	Holley, Carl	ITC	281-380-1012	Day Shift
Tank Farm Recovery Group Supervisor	Thomas, Harold	ITC	713-823-2543	Day Shift
Tank Farm Recovery Group Supervisor	Moses, Terry	ITC	281-389-9078	Night Shift

Resources Required

Area Of Operation	Resource Kind	Description	Quantity	Size
Tank Farm Recovery Group	Pumps	SS MSP-300	3	
Tank Farm Recovery Group	Manpower: Responder	ERT Member	10	
Tank Farm Recovery Group	Hose/Accessories	Vacuum Hose	3	
Tank Farm Recovery Group	Hydraulic Power Unit	Hydraulic Power Unit	3	
Tank Farm Recovery Group	Vehicle: Fire Engine	Fire Engine	2	

Assignments

Teams will monitor for LEL prior to entry, 2% LEL or greater, NO ENTRY WILL BE MADE.

(2) 2-man teams, (1) team deployed (1) team will remain on standby, donning Level B PPE/Level A Flash Suit, will conduct pre-entry site characterization after drone assessment of the tank area is completed.

Drain material from 80-5, 80-6, 80-9, and 80-12 to receiving tanks and piping as directed by ITC/Unified Command. Pumping will be completed using a pump with a manifold with stainless-steel discharge hoses and transfer to 100-28. Personnel will maintain readiness and be staged at hose connections during initial start up.

Other steps will be taken as needed to execute removal of material and stabilize the site.

US Fire Pumps to conduct transfer operations of tanks 80-9 and 80-12.

Assessment will be conducted by T&T before product transfer begins with tanks 80-5 and 80-6, first 80's tank manifold will be mitigated.

Tank entry will only be made during daylight hours. All entry personnel will be properly decontaminated after completion of work in tank area.

Communications

Name / Function	Contact Details
ITC Trunking System / Command	ITC Trunking System Site 1 & 2
Operations/Safety/Incident Command / Operations	Operations/Safety/Incident Command 15

Tactical Objectives

Ensure all spilled material stays on site and in containment

Special Equipment / Supplies Needed for Assignment

6" Flange to 4: female cam lock
Bolts for reducers
Teflon Gaskets
SCBAs
Bunker Gear
PPE - Level A Flash Suit, respirators, organic vapor cartridges, rubber boots, chem gloves, cascade systems/supplied-air systems, etc.
Radios

Special Environmental Considerations

Report any oiled wildlife, wildlife in foam to the Wildlife Hotline 832-368-5379. Please take photo, and document location - DO NOT APPROACH.

Report any deceased fish or wildlife found within the areas of operation to the Wildlife Hotline 832-368 5379. Please take photo and document location. DO NOT DISPOSE.

Dispose contaminated PPE, debris, and sorbent materials in approved contaminated waste containers. DO NOT DISPOSE OF CONTAMINATED MATERIALS IN GENERAL TRASH.

Special Site-Specific Safety Considerations

Continuous air monitoring will be conducted to direct use of respiratory protection for workers. PPE will include fire-resistant coveralls, chemical protective boots, chemical resistant gloves, hearing protection, eye protection, splash guards (as required), outer protective suits (as required), and respiratory protection. Respirators with organic vapor cartridges and supplied-air systems will be provided. Grounding/bonding of transfer system will be completed. Transfer operations will cease during lightning events. All personnel on-site have stop-work authority. A JSA will be completed prior to commencing transfer operations.

Watch pinch points. Use proper lifting techniques and team lift when appropriate. Maintain awareness of walking surfaces to prevent slips trips and falls.

Wear appropriate PPE - no leather gloves - communicate any unsafe situations to supervisor. Utilize stop work authority if necessary. Nobody gets hurt.

Ensure all personnel are equipped with Benzene detection. If Benzene is detected at levels higher than action level, evacuate the area, report to supervisor and Mike Gaudet (281)-787-8256 on Day Shift or Mike Taylor (281) 667-1771 on Night Shift. If available don appropriate PPE prior reentry.

All equipment and personnel must be decontaminated prior to leaving the hot zone.

Action Levels for Benzene:

>0.5 ppm - Don full face APR
>25 ppm - Supplied air; must change APR cartriges to prevent breakthrough every 4 hours.

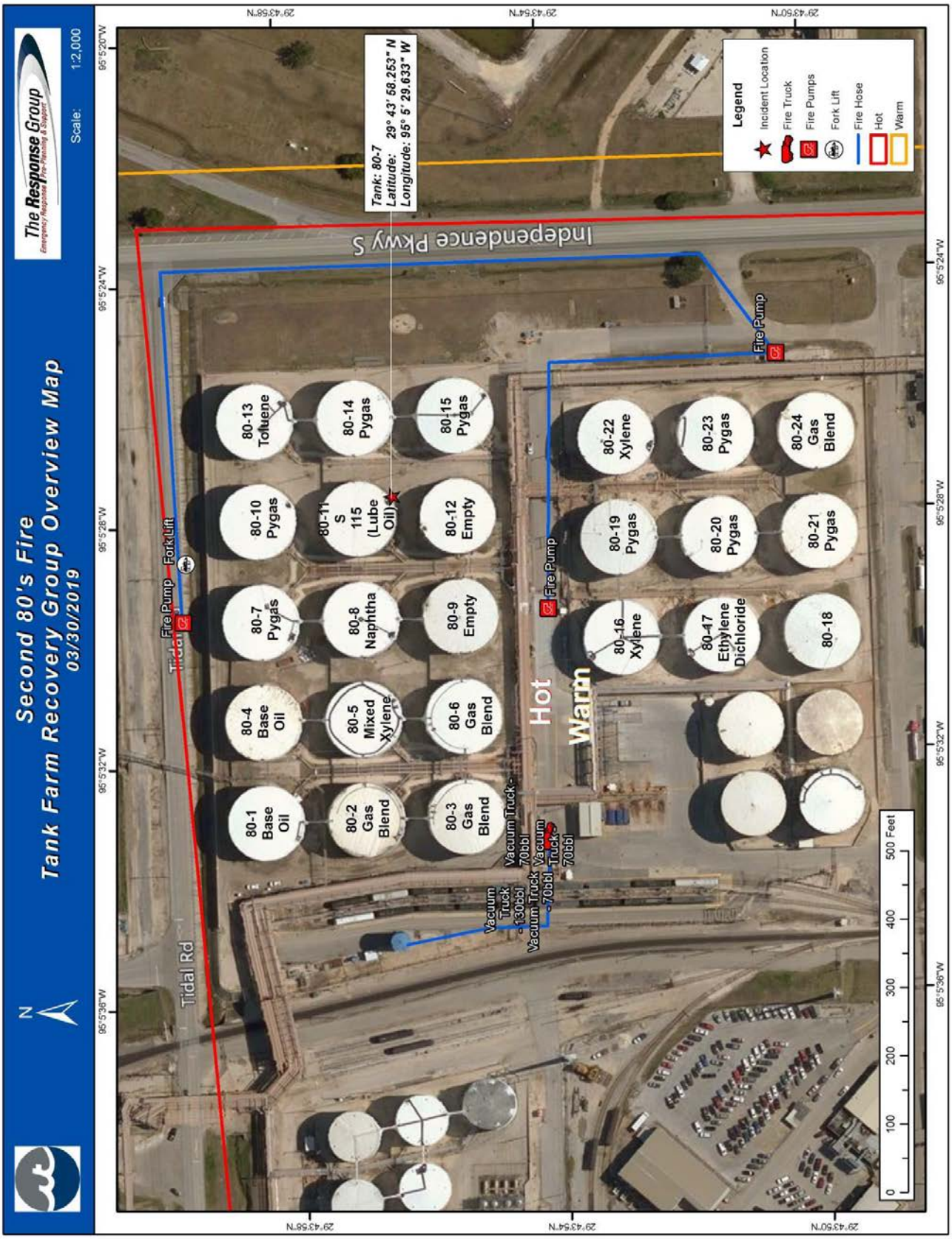
Report any LEL detection (delineate area).

Any monitoring data that exceeds action levels will be reported to the Monitoring Supervisor. Email: Air2@iterm.com
or
Phone: 832-493-8041

Additional Information

Pumping Crew
Trevor Reed
Mario Tovar
Ricky Castillo
Cory Lewis
Rick Francis
Additional personnel as required
Robbie Dison: Safety Assistant On-Site
Tom Noble: Project Management / Supervision
Safety Director: Cody Wilson

20190331Tank Farm Recovery Group Map



Operations Personnel

Position	Name	Affiliation	Contact Number(s)	Work Shift
Operations Section Chief	Jacobson, Jeff	ITC	713-516-6916	Day Shift
Deputy Operations Section Chief	Burditt, John	ITC	832-240-6440	Day Shift
Deputy Operations Section Chief	Cadena, Hector	ITC	832-284-3127	Night Shift
Deputy Operations Section Chief	Riedel, James			Day Shift
Deputy Operations Section Chief (USCG)	Shamilov, Rafael	USCG	415-786-4750	Day Shift
Monitoring Branch Director	Gaudet, Michael	ITC	(281) 787-8256	Day Shift
Monitoring Branch Director	Taylor, Mike	ITC	(281) 667-1771	Night Shift
Water Sampling Group Supervisor	Kubitz, Jody	Cardno	815-355-3938	Day Shift

Resources Required

Area Of Operation	Resource Kind	Description	Quantity	Size
Water Sampling Group	Miscellaneous	Water Sampling Kits	2	
Water Sampling Group	Manpower: Responder	Air Monitoring Tech	6	
Water Sampling Group	Vehicle	Vehicle	3	
Water Sampling Group	Work Boat	Work Boat	6	
Water Sampling Group	Boat Operator	Boat Operator	6	

Assignments

Conduct water sampling in various locations. Samples will be taken from shoreline access points and vessels as needed. All sampling results will be communicated back to Unified Command. Sampling will be conducted in accordance with each entities Sampling Plan

EPA: (1) Surface water sampling group will conduct sampling upstream of the confluence of Tucker Bayou (daily) and the Ship Channel (outside of the containment), San Jacinto State Historical Park, and the vicinity of the Lynchburg Reservoir, Juan Seguin County Park, River Terrace Park. Additional areas will be sampled when needed.

TCEQ: (3) Surface quality groups will conduct water sampling east of Channelview, as far as the eastern border of Galveston Bay and as far south as Kemah, an additional shore sampling team will be conducting sampling in Gulf side of Galveston Island and Crystal Beach in Bolivar peninsula. Harris County Pollution Control will continue to work with TCEQ regarding water sampling data.

Cardno: (2) Teams will conduct water sampling by vessel and taking a full suite of samples from Buffalo Bayou east for several miles. Reference the Foam Product & Water Sampling Plan for additional details.

ITC: Water sampling will occur at outfall 3 regularly every two hours. If outfall 3 is opened, take additional sample.

Other steps as needed to characterize the impact to water and aquatic environment.

Communications

Name / Function	Contact Details
Marine - USCG OPS / Tactical	Marine - USCG OPS 81A
Marine - Hailing and Emergency / All	Marine - Hailing and Emergency 16
Marine - OMI-On-water OPS / Tactical	Marine - OMI-On-water OPS 67

Communications

Name / Function	***Contact Details***
Operations/Safety/Incident Command / Operations	Operations/Safety/Incident Command 15

Special Environmental Considerations

Report any oiled wildlife, wildlife in foam to the Wildlife Hotline 832-368-5379. Please take photo, and document location - DO NOT APPROACH.

Report any deceased fish or wildlife found within the areas of operation to the Wildlife Hotline 832-368 5379. Please take photo and document location. DO NOT DISPOSE.

Dispose contaminated PPE, debris, and sorbent materials in approved contaminated waste containers. DO NOT DISPOSE OF CONTAMINATED MATERIALS IN GENERAL TRASH.

Special Site-Specific Safety Considerations

Maintain walking surface awareness to prevent slips, trips and falls. Don PFD's when working within 3 ft of the waters edge, open water or onboard a vessel.

Wear appropriate PPE - no leather gloves - communicate any unsafe situations to supervisor. Utilize stop work authority if necessary. Nobody gets hurt.

Ensure all personnel are equipped with Benzene detection. If Benzene is detected at levels higher than action level, evacuate the area, report to supervisor and Mike Gaudet (281)-787-8256 on Day Shift or Mike Taylor (281) 667-1771 on Night Shift. If available don appropriate PPE prior reentry.

Action Levels for Benzene:

>0.5 ppm - Don full face APR
>25 ppm - Supplied air; must change APR cartriges to prevent breakthrough every 4 hours.

Report any LEL detection (delineate area).

Any monitoring data that exceeds action levels will be reported to the Monitoring Supervisor. Email: Air2@iterm.com
or
Phone: 832-493-8041

Operations Personnel

Position	Name	Affiliation	Contact Number(s)	Work Shift
Operations Section Chief	Jacobson, Jeff	ITC	713-516-6916	Day Shift
Deputy Operations Section Chief	Burditt, John	ITC	832-240-6440	Day Shift
Deputy Operations Section Chief	Cadena, Hector	ITC	832-284-3127	Night Shift
Deputy Operations Section Chief	Riedel, James			Day Shift
Deputy Operations Section Chief (USCG)	Shamilov, Rafael	USCG	415-786-4750	Day Shift
Wildlife Branch Director	Murgatroyd, Rhonda	Wildlife Response Services LLC	713-705-5897	Day Shift
Wildlife Branch Director	Biggs, Heather	Texas Parks and Wildlife	832-374-3925	Day Shift

Resources Required

Area Of Operation	Resource Kind	Description	Quantity	Size
Wildlife Branch	Small Boat	Small Boat	2 each	14 - 29 feet
Wildlife Branch	Boat Operator	Boat Operator	2 each	
Wildlife Branch	Wildlife Specialist	Avian Specialist	4 each	
Wildlife Branch	Safety Personnel	Air Monitoring Tech	4 each	
Wildlife Branch	Manpower: Responder	Marine Mammal Specialist	2 each	
Wildlife Branch	Facilities	Rehab Facility	1 each	
Wildlife Branch	Wildlife Trailer	Wildlife Trailer	1 each	
Wildlife Branch	Equipment: Comms	Wildlife Hotline Phone	1 each	
Wildlife Branch	Manpower: Supervisor	Wildlife Branch Director	2 each	
Wildlife Branch	Wildlife Support Tech	Wildlife Support Tech	1 each	

Assignments

(2) Wildlife Recovery Team and (1) Marine Mammal Monitoring Team will conduct boat and shoreline assessments for oiled and at-risk wildlife using standard protocols. Assess the locations, numbers, and types of potentially impacted wildlife. Field teams will immediately notify the Wildlife Branch Director of any observed oil impacts to wildlife. Coordinate any observations reported to the JIC and relay information to the Wildlife Branch Director.

Be aware of weather constraints and adjust accordingly. If weather deteriorates to an unsafe condition proceed to nearest safe harbor. Communicate changes in conditions with Branch Director. Once weather improves to a safe condition continue recovery operations.

Wildlife Hotline #: (832) 368-5379

Operations Personnel

Position	Name	Affiliation	Contact Number(s)	Work Shift
Operations Section Chief	Jacobson, Jeff	ITC	713-516-6916	Day Shift
Deputy Operations Section Chief	Burditt, John	ITC	832-240-6440	Day Shift
Deputy Operations Section Chief	Cadena, Hector	ITC	832-284-3127	Night Shift
Deputy Operations Section Chief	Riedel, James			Day Shift
Deputy Operations Section Chief (USCG)	Shamilov, Rafael	USCG	415-786-4750	Day Shift
Rapid Assessment Team (RAT)	Wakefield, Jeff	Cardno	3023889173	Day Shift

Resources Required

Area Of Operation	Resource Kind	Description	Quantity	Size
SCAT / RAT	Equipment: Safety	Air Monitoring Devices	4	
SCAT / RAT	Manpower: Responder	Air Monitoring Tech	4	
SCAT / RAT	Vehicle	Vehicle	4	
SCAT / RAT	Work Boat	Work Boat	4	
SCAT / RAT	Boat Operator	Boat Operator	4	

Assignments

(4) Shoreline Cleanup Assessment Technique (SCAT)/ Rapid Assessment Teams (RAT) and (1) UAS team to conduct surveys along both shorelines of the ship channel to assess any environmental impacts. Teams will be comprised of Cardno/ITC, Federal (where available) and State personnel. All surveys will be conducted per the Rapid Assessment Team Plan or the Shoreline Cleanup Assessment Technique (SCAT) Plan.

Communications

Name / Function	Contact Details
Operations/Safety/Incident Command / Operations	Operations/Safety/Incident Command 15

Special Environmental Considerations

Report any oiled wildlife, wildlife in foam to the Wildlife Hotline 832-368-5379. Please take photo, and document location - DO NOT APPROACH.

Report any deceased fish or wildlife found within the areas of operation to the Wildlife Hotline 832-368 5379. Please take photo and document location. DO NOT DISPOSE.

Dispose contaminated PPE, debris, and sorbent materials in approved contaminated waste containers. DO NOT DISPOSE OF CONTAMINATED MATERIALS IN GENERAL TRASH.

No pitting/trenching shall be undertaken at the State Park without prior approval from the EU, State Park and SHPO.

Special Site-Specific Safety Considerations

Maintain walking surface awareness to prevent slips, trips and falls. Don PFD's when working within 3 ft of the waters edge, open water or onboard a vessel.

Wear appropriate PPE, communicate any unsafe situations to supervisor. Utilize stop work authority if necessary. Nobody gets hurt.

Ensure all personnel are equipped with Benzene detection. If Benzene is detected at levels higher than action level, evacuate the area, report to supervisor and Mike Gaudet (281-787-8256).

All equipment and personnel must be decontaminated prior to leaving the hot zone.

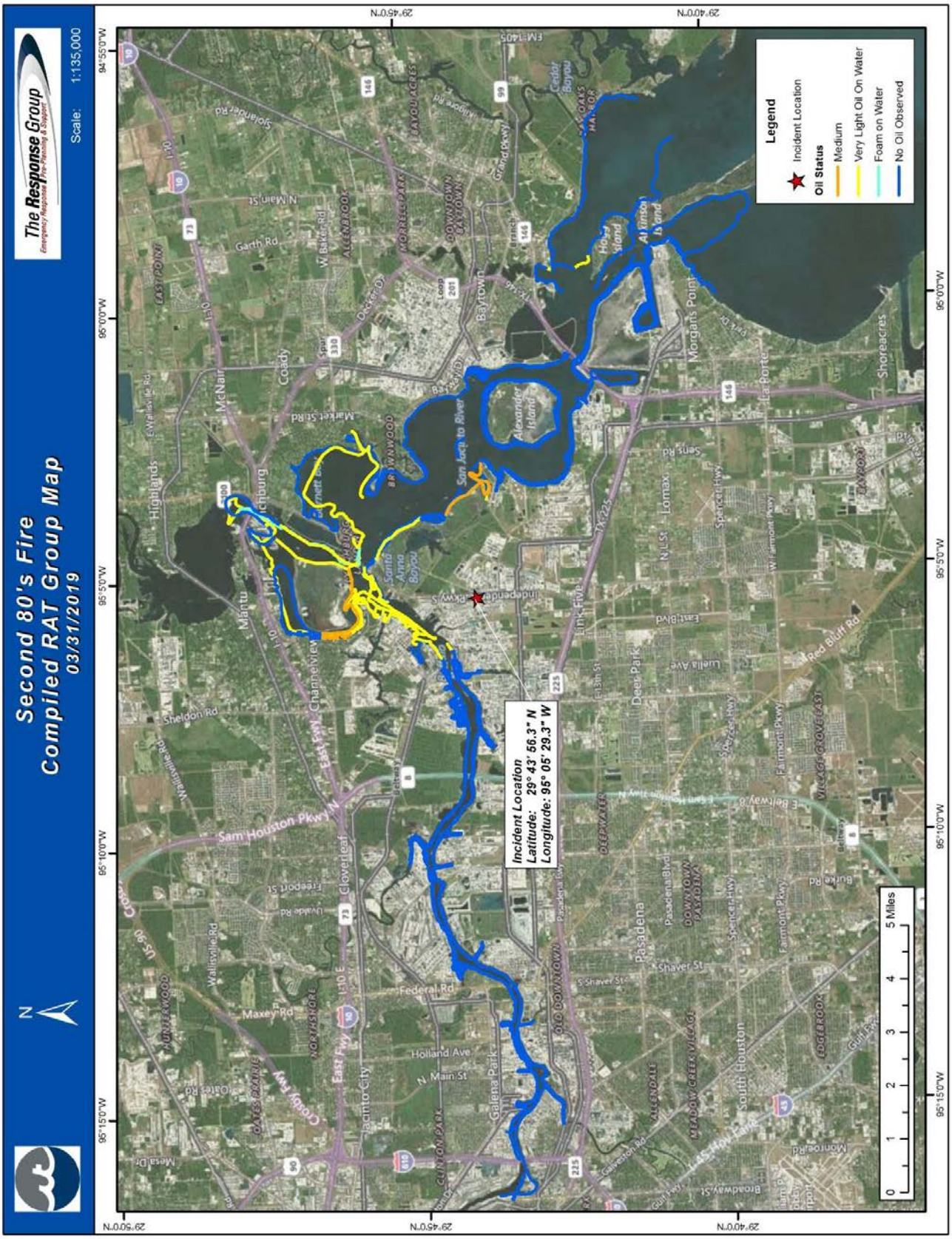
Action Levels for Benzene:

>0.5 ppm - Don full face APR
>25 ppm - Supplied air; must change APR cartriges to prevent breakthrough every 4 hours.

Report any LEL detection (delineate area).

Any monitoring data that exceeds action levels will be reported to the Monitoring Supervisor. Email: Air2@iterm.com
or
Phone: 832-493-8041

20190331 Compiled RAT Group Map



20190331 Compiled SCAT Group Map

Operations Personnel

Position	Name	Affiliation	Contact Number(s)	Work Shift
Operations Section Chief	Jacobson, Jeff	ITC	713-516-6916	Day Shift
Deputy Operations Section Chief	Burditt, John	ITC	832-240-6440	Day Shift
Deputy Operations Section Chief	Cadena, Hector	ITC	832-284-3127	Night Shift
Deputy Operations Section Chief	Riedel, James			Day Shift
Deputy Operations Section Chief (USCG)	Shamilov, Rafael	USCG	415-786-4750	Day Shift
Security Group Supervisor				
Security Group Supervisor				

Resources Required

Area Of Operation	Resource Kind	Description	Quantity	Size

Assignments

Law Enforcement/Security to maintain established traffic control for all operational areas and incident command locations.

Special Site-Specific Safety Considerations

Maintain awareness of traffic flow ans speed. Maintain awareness of walking surfaces to prevent slips trips and falls.

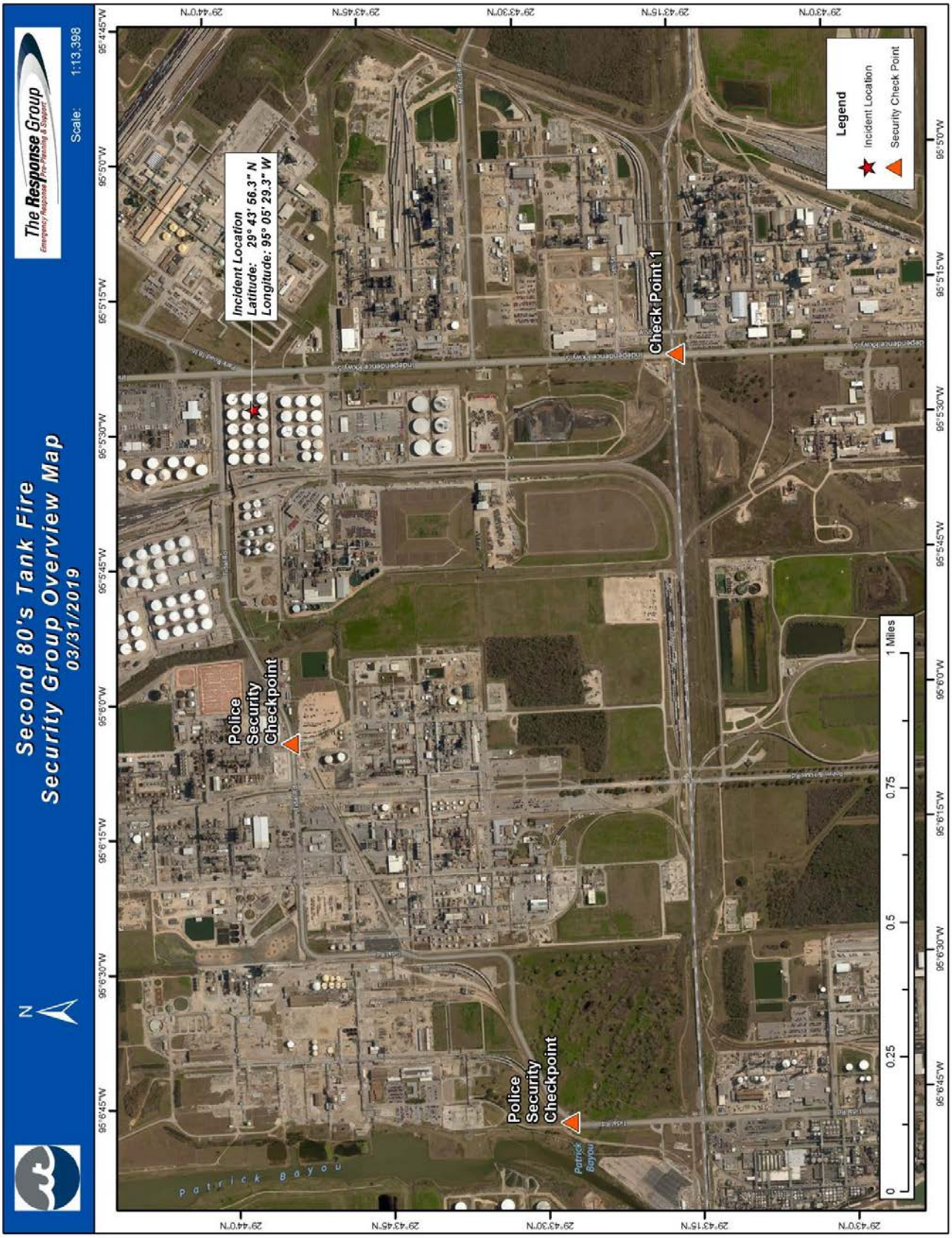
Wear appropriate PPE, especialliy high-vis vests, communicate any unsafe situations to supervisor. Utilize stop work authority if necessary. Nobody gets hurt.

Ensure all personnel are equipped with Benzene detection. If Benzene is detected at levels higher than action level, evacuate the area, report to supervisor and Mike Gaudet (281)-787-8256 on Day Shift or Mike Taylor (281) 667-1771 on Night Shift. If available don appropriate PPE prior reentry.

If contamination is present, all equipment and personnel must be decontaminated prior to leaving the hot zone.

Any monitoring data that exceeds action levels will be reported to the Monitoring Supervisor. Email: Air2@iterm.com
or
Phone: 832-493-8041

20190331 Security Group Map



Radio Channel Information

Ch #	*Function*	*Channel Name/ Trunked Radio System Talkgroup*	*Assignment*	*Rx Freq N or W*	*Rx Tone/NAC*	*Tx Freq N or W*	*Tx Tone/NAC*	*Mode (A, D, or M)*	*Remarks*
14	Tactical	ITC - Fuel & Fork Lift							
05	Tactical	ITC - Environmental							
07	Tactical	ITC - Special Services							
81A	Tactical	Marine - USCG OPS		157.0250	None	Simplex		A	
21A	Tactical	Marine - RAT (Rapid Assessment Teams)		157.0500	None	Simplex		A	
16	All	Marine - Hailing and Emergency		156.8000	None	Simplex		A	
67	Tactical	Marine - OMI-On-water OPS		156.3750	None	Simplex		A	
Site 1 & 2	Command	ITC Trunking System	ICP - ITC (Admin Building)	Encrypted				D	
15	Operations	Operations/Safety/Incident Command							
1	Dispatch	CIMA							
2	Tactical	East/South - CIMA							
3	Tactical	North Div - CIMA							
4	Tactical	West Div (Water Supply) - CIMA							
5	Tactical	Safety (IH) - CIMA							

Special Radio Instructions

Local Communications Information

Name	***Incident Assigned Position***	***Mobile Phone***	***Work Phone***	***Email***	***Notes***
Jacobson, Jeff	Operations Section Chief	713-516-6916			ITC
Burditt, John	Deputy Operations Section Chief	832-240-6440			ITC
Riedel, Jim	Deputy Operations Section Chief	206-500-6480			NRC
Young, Kevin	Water Operations Branch - NIGHT	281-786-9383			ITC
McLelland, Reid	Water Operations Branch	281-838-7567			ITC
Shamilov, Rafael	Water Operations Branch	415-786-4750			USCG
Ward, Taylor	Division A Supervisor	251-300-4189			USCG
Livingston, Gregory	Division B Supervisor	860-857-4997			USCG
Osborne, Scott	Division B Supervisor	903-391-4831			ITC
Anderson, Byron	Division C Supervisor	832-466-6646			ITC
Myers, Janmichael	Division D Supervisor	630-390-8615			USCG
Babin, Everette	Division Supervisor	337-412-4348			AMPOL
Bourque, Delven	Division Supervisor	337-519-6219			AMPOL
Dalfrey, Chad	Division Supervisor	337-519-1161			AMPOL
Donnelly, Rowdy	Division Supervisor	504-259-2655			AMPOL
Guillot, Fred	Division Supervisor	337-551-2467			AMPOL
Goins, Derek	Division Supervisor	504 982 5046			AMPOL
Landry, Ashton	Division Supervisor	337-339-1777			AMPOL
Cochrane, Walter	Division Supervisor	504-450-6601			AMPOL
Debrum, Nicholas	Air Monitoring (Water)	774-766-8695			USCG
Ruff, Zach	Mobile Decon Group	614-795-1689			USCG
Pounds, Kenneth	Assistant Safety Officer	2513661450			USCG
Larson, Alan	Assistant Safety Officer	786-973-1225			USCG
Gaudet, Michael	Monitoring Branch	281-787-8256			ITC
Nunez, Alex	TX Fish and Wildlife	361-658-3181			TF&W
Rodriguez, Antonio	NRC Contact	281-796-6881			NRC
Segura, Tyler	OMI Contact	409-299-0472			OMI

Local Communications Information

Name	***Incident Assigned Position***	***Mobile Phone***	***Work Phone***	***Email***	***Notes***
Sedlack, Tracy	MSRC Contact	713-471-2680			MSRC
Nathan	Kirby	713-725-7860			Kirby
Kubitz, Jody	Water Sampling Group	815-355-3938			Cardno
Wildlife Hotline	Wildlife Hotline	832-368-5379			

Medical Aid Stations

Name	*Location*	*Paramedic On Site*	*Phone*	*Radio*
Staging Area - OMI River	-95.10154 29.78214	x		

Transportation (Ground and/or Air Ambulance Services)

Ambulance Service	*Location*	*Phone*	*Radio*	*Air*	*ALS*
Channel View Fire Dept	Channel View, TX -95.11465 29.77606	Ph1: 911 / (281) 452-5782		☐	☐
Acadian Ambulance Staging Area - OMI River	-95.10104 29.78206	Ph1: (409) 833-3800		☐	☐

Hospitals

Hospital	*Location*	*Phone*	*Radio*	*Air Travel Time*	*Ground Travel Time*	*Trauma Center*	*Helipad*	*Burn Center*
Houston Healthcare Southeast	4000 Spencer Hwy Pasadena, TX 77504 -95.18378 29.66124	713-359-1440		15 min	15 min	III	x	☐
UTMB	3737 Red Bluff Rd #150 Pasadena, TX 77503 -95.15567 29.68583	409-772-2002		15 min	15 min	I	x	x
Houston Healthcare Clear Lake	500 W. Medical Center Blvd, Webster, TX 77598 Webster, TX 77598 -95.12773 29.5413	281-338-3708		15 min	30 min	II	x	☐
Houston Methodist Baytown	4401 Garth Road Baytown, TX 77521 -94.9796 29.76916	281-420-8851 281-420-8600		15 min	30 min		x	☐
Surgery Specialty Hospital of America-Southeast Houston	4301 B Vista Pasadena, TX 77504 -95.1779 29.65913	713-378-2068 713-378-3000		15 min	15 min	II	☐	☐
Advanced Diagnostic Hospital East	12950 East Freeway Ste.100 Houston, TX 77015 -95.20044 29.77054	903-240-5893		15 min	15 min		☐	☐

Special Medical Emergency Procedures

Deliver First Aid if trained in accordance with your training.

1. Acadian Ambulance staged 01 Advanced Life Support Ambulance at Staging Area - OMI River; Address - River Terrace Park 16550 Market Street Channelview, TX 77530

2. Call Acadian Ambulance Dispatch at (409) 833-3800 to nofify Ambulance of incoming medical or trauma case

Conduct immediate notifications through supervisor and Safety Officer via Chain of Command per ICS 202b Unified Command Critical Threshold Reporting Criteria for:

Injury or Deathv

OSHA/Greater than 1st Aid through Safety Officer

SDS available and copies made to send with ambulance.

Deconitamination must take place prior to transport.

Helipad/air operations will take place on Independence Road immediately across from CIMA Incident Command Post.

Medical Aid Stations

Name	*Location*	*Paramedic On Site*	*Phone*	*Radio*
Staging Area - OMI River	-95.10154 29.78214	x		

Transportation (Ground and/or Air Ambulance Services)

Ambulance Service	*Location*	*Phone*	*Radio*	*Air*	*ALS*
Acadian Ambulance Dispatch Center	-94.14665 29.99906	Ph1: (409) 833-3800		☐	☐
Acadian Ambulance Supervisor 470	-95.10154 29.78214	Ph1: (832) 210-4279		☐	x

Hospitals

Hospital	*Location*	*Phone*	*Radio*	*Air Travel Time*	*Ground Travel Time*	*Trauma Center*	*Helipad*	*Burn Center*
Houston Healthcare Southeast	4000 Spencer Hwy Pasadena, TX 77504 -95.18378 29.66124	713-359-1440		15 min	15 min	III	x	☐
UTMB	3737 Red Bluff Rd #150 Pasadena, TX 77503 -95.15567 29.68583	409-772-2002		15 min	15 min	I	x	x
Houston Healthcare Clear Lake	500 W. Medical Center Blvd, Webster, TX 77598 Webster, TX 77598 -95.12773 29.5413	281-338-3708		15 min	30 min	II	x	☐
Houston Methodist Baytown	4401 Garth Road Baytown, TX 77521 -94.9796 29.76916	281-420-8851 281-420-8600		15 min	30 min		x	☐
Surgery Specialty Hospital of America-Southeast Houston	4301 B Vista Pasadena, TX 77504 -95.1779 29.65913	713-378-2068 713-378-3000		15 min	15 min	II	☐	☐
Advanced Diagnostic Hospital East	12950 East Freeway Ste.100 Houston, TX 77015 -95.20044 29.77054	903-240-5893		15 min	15 min		☐	☐

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Medical Aid Stations

Name	*Location*	*Paramedic On Site*	*Phone*	*Radio*
Staging Area - OMI River	-95.10154 29.78214	x		

Transportation (Ground and/or Air Ambulance Services)

Ambulance Service	*Location*	*Phone*	*Radio*	*Air*	*ALS*
Acadian Ambulance Dispatch Center	-94.14665 29.99906	Ph1: (409) 833-3800		☐	☐
Acadian Ambulance Supervisor 470	-95.10154 29.78214	Ph1: (832) 210-4279		☐	x

Hospitals

Hospital	*Location*	*Phone*	*Radio*	*Air Travel Time*	*Ground Travel Time*	*Trauma Center*	*Helipad*	*Burn Center*
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Houston Methodist Baytown	4401 Garth Road Baytown, TX 77521 -94.9796 29.76916	281-420-8851 281-420-8600		15 min	30 min		x	☐
Surgery Specialty Hospital of America-Southeast Houston	4301 B Vista Pasadena, TX 77504 -95.1779 29.65913	713-378-2068 713-378-3000		15 min	15 min	II	☐	☐
Advanced Diagnostic Hospital East	12950 East Freeway Ste.100 Houston, TX 77015 -95.20044 29.77054	903-240-5893		15 min	15 min		☐	☐

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Injury or Deathv

OSHA/Greater than 1st Aid through Safety Officer

SDS available and copies made to send with ambulance.

Deconitamination must take place prior to transport.

Helipad/air operations will take place on Independence Road immediately across from CIMA Incident Command Post.

Medical Aid Stations

Name	*Location*	*Paramedic On Site*	*Phone*	*Radio*
Staging Area - OMI River	-95.10154 29.78214	x		

Transportation (Ground and/or Air Ambulance Services)

Ambulance Service	*Location*	*Phone*	*Radio*	*Air*	*ALS*
Acadian Ambulance Dispatch Center	-94.14665 29.99906	Ph1: (409) 833-3800		☐	☐
Acadian Ambulance Supervisor 470	-95.10154 29.78214	Ph1: (832) 210-4279		☐	x

Hospitals

Hospital	*Location*	*Phone*	*Radio*	*Air Travel Time*	*Ground Travel Time*	*Trauma Center*	*Helipad*	*Burn Center*
Houston Healthcare Southeast	4000 Spencer Hwy Pasadena, TX 77504 -95.18378 29.66124	713-359-1440		15 min	15 min	III	x	☐
UTMB	3737 Red Bluff Rd #150 Pasadena, TX 77503 -95.15567 29.68583	409-772-2002		15 min	15 min	I	x	x
Houston Healthcare Clear Lake	500 W. Medical Center Blvd, Webster, TX 77598 Webster, TX 77598 -95.12773 29.5413	281-338-3708		15 min	30 min	II	x	☐
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Surgery Specialty Hospital of America-Southeast Houston	4301 B Vista Pasadena, TX 77504 -95.1779 29.65913	713-378-2068 713-378-3000		15 min	15 min	II	☐	☐
Advanced Diagnostic Hospital East	12950 East Freeway Ste.100 Houston, TX 77015 -95.20044 29.77054	903-240-5893		15 min	15 min		☐	☐

Special Medical Emergency Procedures

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Injury or Deathv

OSHA/Greater than 1st Aid through Safety Officer

SDS available and copies made to send with ambulance.

Deconitamination must take place prior to transport.

Helipad/air operations will take place on Independence Road immediately across from CIMA Incident Command Post.

Medical Aid Stations

Name	*Location*	*Paramedic On Site*	*Phone*	*Radio*
Safety Training Building	-95.09605 29.73362	☐		ITC Mandown Button

Transportation (Ground and/or Air Ambulance Services)

Ambulance Service	*Location*	*Phone*	*Radio*	*Air*	*ALS*
Deer Park Volunteer Fire Department	Deer Park, TX	Ph1: (281) 476-1511		☐	☐

Hospitals

Hospital	*Location*	*Phone*	*Radio*	*Air Travel Time*	*Ground Travel Time*	*Trauma Center*	*Helipad*	*Burn Center*
CHI St. Luke's Patients Medical Center	4600 East Sam Houston Parkway South Pasadena, TX 77505 -95.16227 29.64113	713-378-8994 281-487-0700				II	☐	☐
HCA-Bayshore Medical Center	4000 Spencer Hwy Pasadena, TX 77504 -95.18378 29.66124	713-359-1060 713-359-1000				II	☐	☐
Altus Baytown Hospital	1626 W Baker Rd Baytown, TX 77521 -94.98169 29.77128	281-382-1627 281-837-7600					☒	☐

Special Medical Emergency Procedures

Deliver First Aid if trained in accordance with your training.

Address is 2621 ITC Tidal Road Harris County, Texas.

Conduct immediate notifications through supervisor and Safety Officer via Chain of Command per ICS 202b Unified Command Critical Threshold Reporting Criteria for:

Injury or Death

OSHA/Greater than 1st Aid through Safety Officer

SDS available and copies made to send with ambulance.

Deconitamination must take place prior to transport.

Helipad/air operations will take place on Independence Road immediately across from CIMA Incident Command Post.

Medical Aid Stations

Name	*Location*	*Paramedic On Site*	*Phone*	*Radio*
ICP (ITC 1030 Ethyl Road, Pasadena, TX)	-95.16233 29.72359	☐	Ph1: 8327806700	
Deer Park Training Building	-95.09602 29.73354	☐	Ph1: 281-380-1012 (CHolley)	

Transportation (Ground and/or Air Ambulance Services)

Ambulance Service	*Location*	*Phone*	*Radio*	*Air*	*ALS*
Pasadena Volunteer Fire Department	923 Shaw Ave. Pasadena, TX 77506 -95.20231 29.71332	Ph1: (281) 457-6360		☐	☐

Hospitals

Hospital	*Location*	*Phone*	*Radio*	*Air Travel Time*	*Ground Travel Time*	*Trauma Center*	*Helipad*	*Burn Center*
Houston Healthcare Southeast	4000 Spencer Hwy Pasadena, TX 77504 -95.18378 29.66124	713-359-1440		15 min	15 min	III	☒	☐
UTMB	3737 Red Bluff Rd #150 Pasadena, TX 77503 -95.15567 29.68583	409-772-2002		15 min	15 min	I	☒	☒
Houston Healthcare Clear Lake	500 W. Medical Center Blvd, Webster, TX 77598 Webster, TX 77598 -95.12773 29.5413	281-338-3708		15 min	30 min	II	☒	☐
Houston Methodist Baytown	4401 Garth Road Baytown, TX 77521 -94.9796 29.76916	281-420-8851 281-420-8600		15 min	30 min		☒	☐
Surgery Specialty Hospital of America-Southeast Houston	4301 B Vista Pasadena, TX 77504 -95.1779 29.65913	713-378-2068 713-378-3000		15 min	15 min	II	☐	☐
Advanced Diagnostic Hospital East	12950 East Freeway Ste.100 Houston, TX 77015 -95.20044 29.77054	903-240-5893		15 min	15 min		☐	☐

Special Medical Emergency Procedures

SDS available and copies made to send with ambulance.

Decontamination must take place prior to transport.

Helipad/air operations will take place on Independence Road immediately across from CIMA Incident Command Post.

EMERGENCY MEDICAL PROCEDURES
In the event of a medical emergency provide the following information to the Communications Unit.

1. Declare the nature of the emergency.
    - Medical injury/illness?
    - If injury/illness, is it Life Threatening?
2. If Life Threatening, then request that the designated frequency be cleared for emergency traffic.
3. Identify the on-scene Point of Contact (POC) by Resource and Last name.
4. Identify nature of incident, number injured, patient assessment(s) and location (geographic and GPS coordinates).
5. Identify on-scene medical personnel by position and name.
6. Identify preferred method of patient transport.
7. Request any additional resources and/or equipment needed.
8. Document all information received and transmitted on the radio or phone.
9. Identify any changes in the on-scene Point of Contact or medical personnel as they occur.

OPERATIONS - DAY SHIFT

Operations Section Chief
Jacobson, Jeff

Safety Officer
Gracia, Carlos

Asst. Safety Officer
Larson, Alan (USCG)
Pounds, Kenneth (USCG)

Deputy Operations Section Chief
Burditt, John
Kunh, Karl
Riedel, Jim
Shamilov, Rafael (USCG)

ICS Technical Specialist
Meaux, Brian
Tannehill, Lance

Water Operations Branch
McLelland, Reid
Shamilov, Rafael

Tank Farm Operations Branch
Holley, Carl

Monitoring Branch
Gaudet, Michael

Air Operations Branch
Allen, Bryce

Deputy Air Operations Branch Director
Berg, Nolan

sUAS Team 1
Allen, Bryce

sUAS Team 2
Coleman, Bob

Division A
Burditt, John
Ward, Taylor (USCG)

Division B
Livingston, Gregory (USCG)
Osborne, Scott

Division C
Johnson, Ryan
Anderson, Byron

Division D
Myers, Janmichael (USCG)

On-Water Air Monitoring Group Supervisor
Debrum, Nicholas (USCG)

On Water Decon Group
Ruff, Zach (USCG)

Fire Suppression Group
Williams, Dwight

Firewater Containment Task Force
Walker, Derek

Foam Application Task Force
Nawrocki, Ryan

Tank Farm Recovery Group
Thomas, Harold

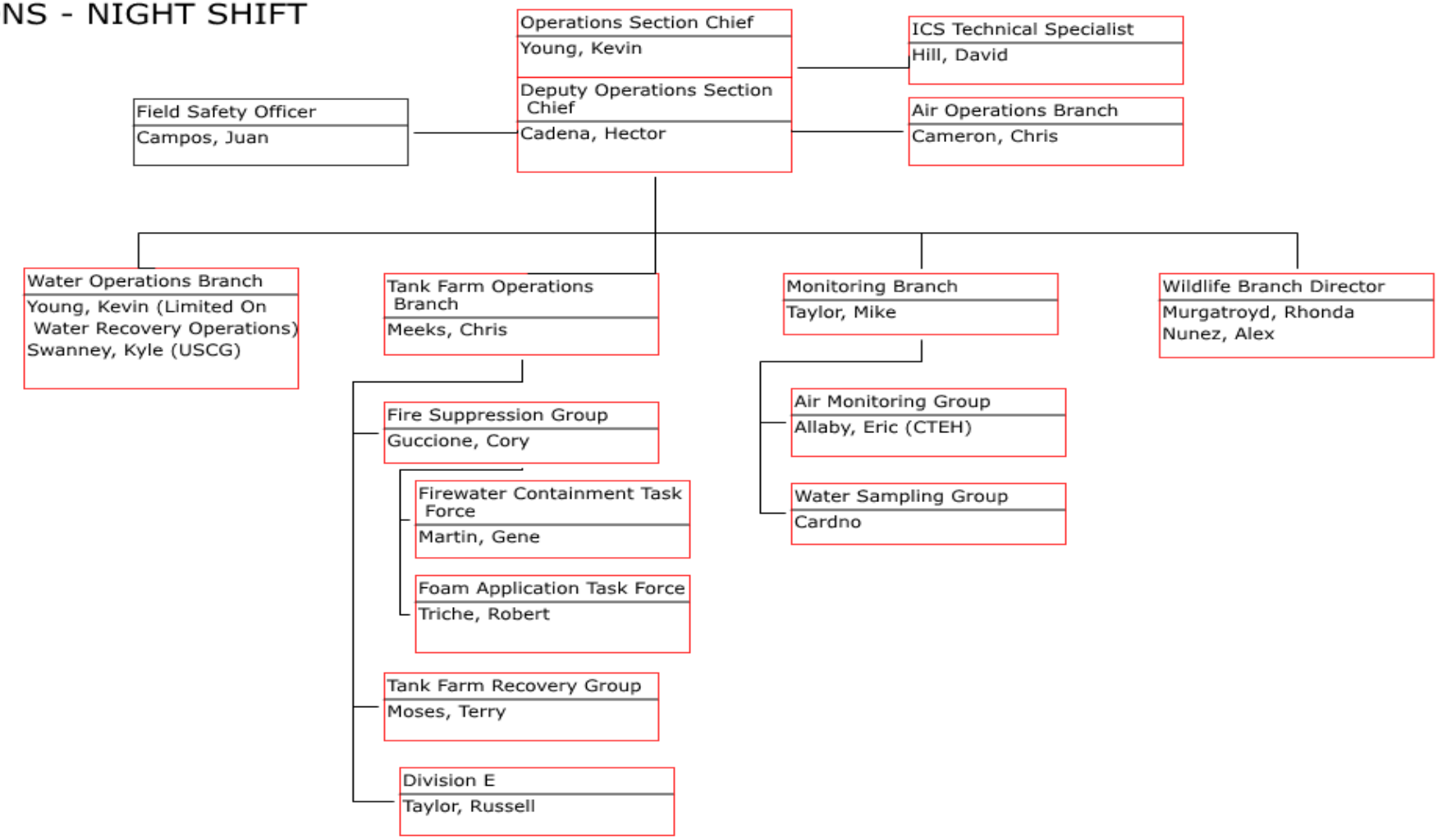
Division E
Willis, Hunter
Brescia, Nicolas (EPA)

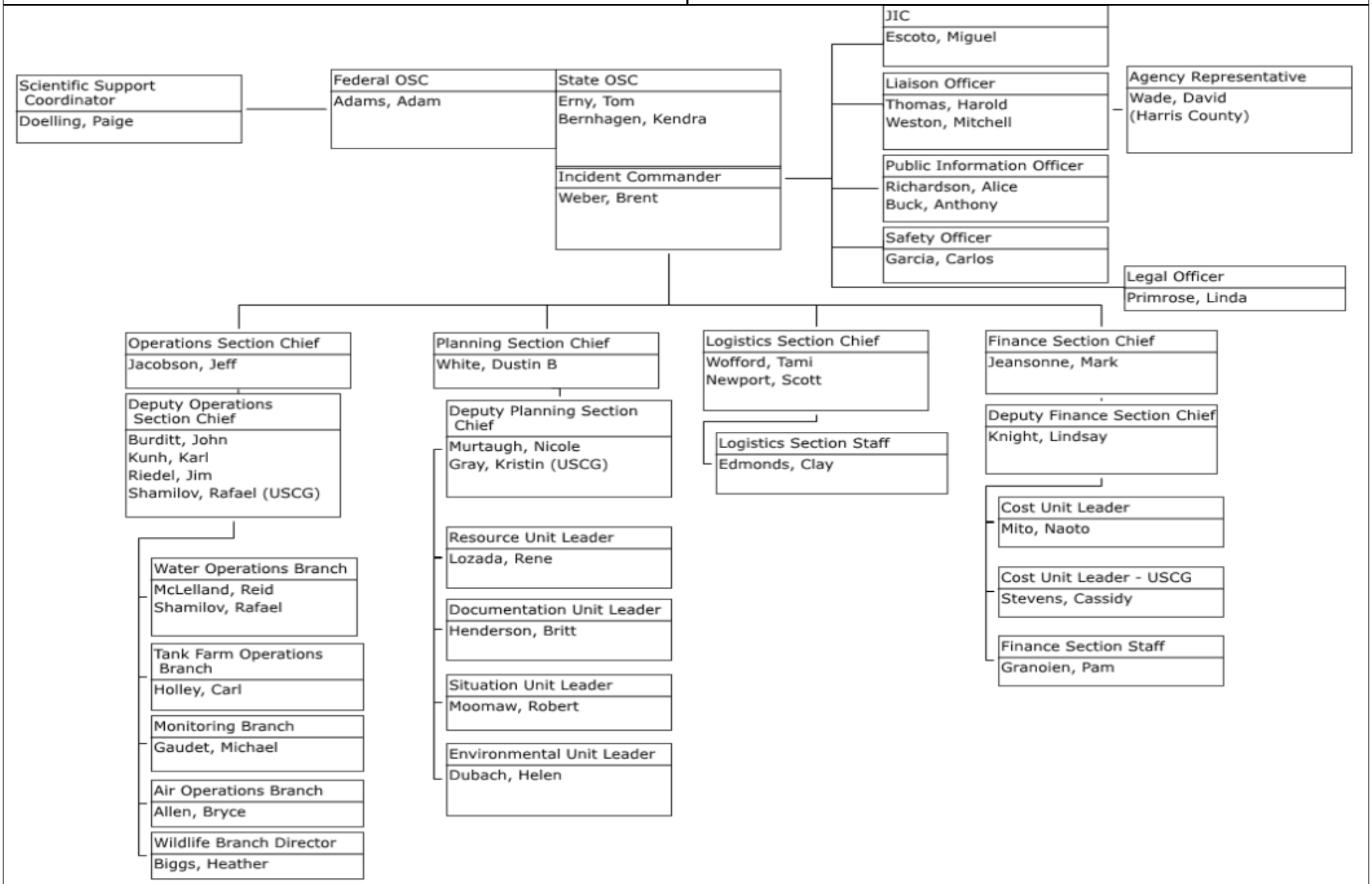
Air Monitoring Group
Langley, Justin

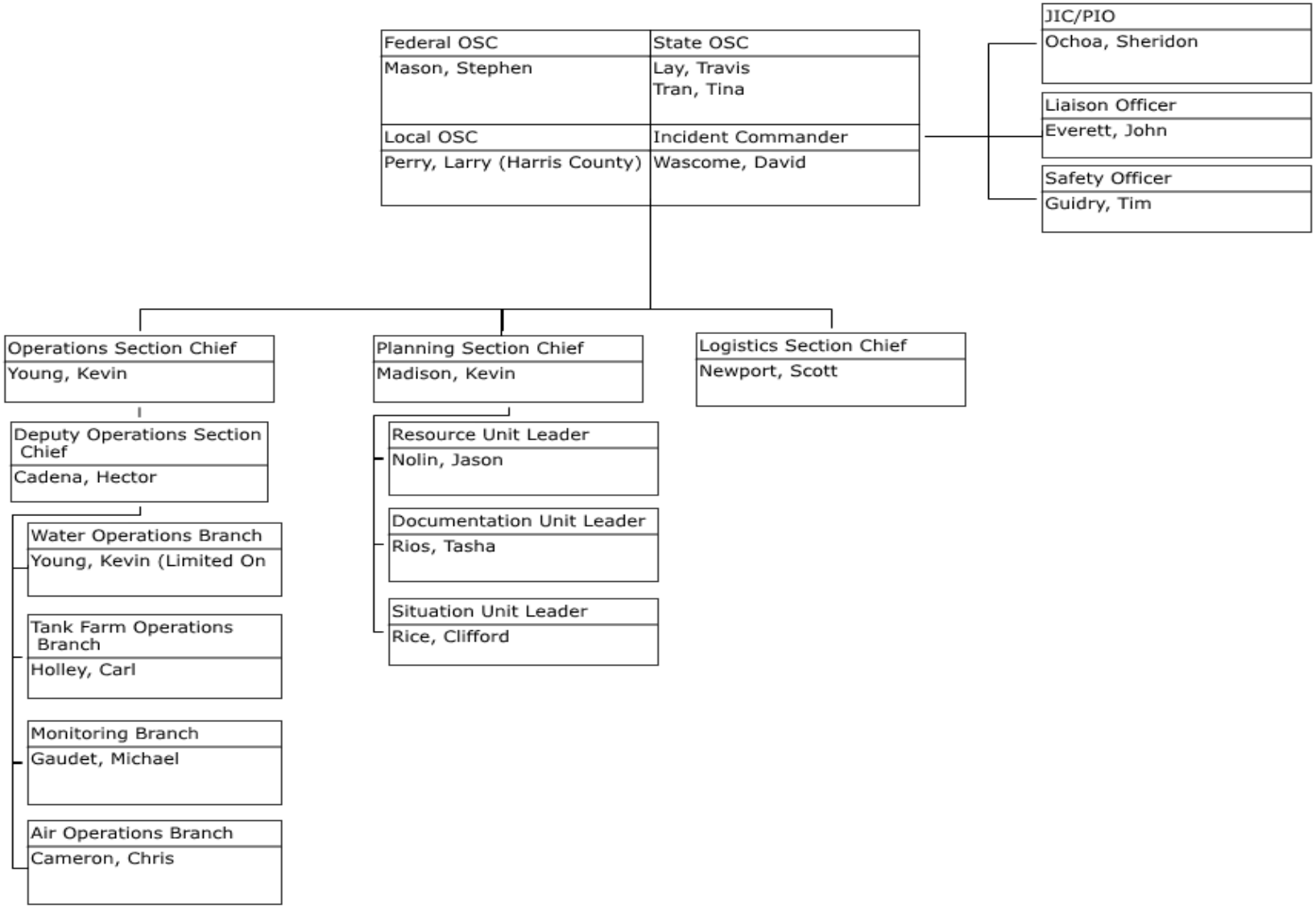
Water Sampling Group
Kubitz, Jody

Wildlife Branch Director
Murgatroyd, Rhonda
Nunez, Alex

OPERATIONS - NIGHT SHIFT




Scientific Support Coordinator
Doelling, Paige
Federal OSC
Adams, Adam
State OSC
Erny, Tom
Bernhagen, Kendra
Incident Commander
Weber, Brent
JIC
Escoto, Miguel
Liaison Officer
Thomas, Harold
Weston, Mitchell
Agency Representative
Wade, David
(Harris County)
Public Information Officer
Richardson, Alice
Buck, Anthony
Safety Officer
Garcia, Carlos
Legal Officer
Primrose, Linda
Operations Section Chief
Jacobson, Jeff
Deputy Operations Section Chief
Burditt, John
Kunh, Karl
Riedel, Jim
Shamilov, Rafael (USCG)
Water Operations Branch
McLelland, Reid
Shamilov, Rafael
Tank Farm Operations Branch
Holley, Carl
Monitoring Branch
Gaudet, Michael
Air Operations Branch
Allen, Bryce
Wildlife Branch Director
Biggs, Heather
Planning Section Chief
White, Dustin B
Deputy Planning Section Chief
Murtaugh, Nicole
Gray, Kristin (USCG)
Resource Unit Leader
Lozada, Rene
Documentation Unit Leader
Henderson, Britt
Situation Unit Leader
Moomaw, Robert
Environmental Unit Leader
Dubach, Helen
Logistics Section Chief
Wofford, Tami
Newport, Scott
Logistics Section Staff
Edmonds, Clay
Finance Section Chief
Jeansonne, Mark
Deputy Finance Section Chief
Knight, Lindsay
Cost Unit Leader
Mito, Naoto
Cost Unit Leader - USCG
Stevens, Cassidy
Finance Section Staff
Granoien, Pam


Federal OSC
Mason, Stephen
State OSC
Lay, Travis
Tran, Tina
Local OSC
Perry, Larry (Harris County)
Incident Commander
Wascome, David
JIC/PIO
Ochoa, Sheridon
Liaison Officer
Everett, John
Safety Officer
Guidry, Tim
Operations Section Chief
Young, Kevin
Planning Section Chief
Madison, Kevin
Logistics Section Chief
Newport, Scott
Deputy Operations Section Chief
Cadena, Hector
Water Operations Branch
Young, Kevin (Limited On
Tank Farm Operations Branch
Holley, Carl
Monitoring Branch
Gaudet, Michael
Air Operations Branch
Cameron, Chris
Resource Unit Leader
Nolin, Jason
Documentation Unit Leader
Rios, Tasha
Situation Unit Leader
Rice, Clifford

ICS 208 - Site Safety Plan	Version Name: Division A On Water Operations
Incident Name: 2nd 80's Fire	Period: Period 9 [04/01/2019 07:00 - 04/03/2019 07:00]
Applies to Site: Division A	

Site Characterization

Water	**Land**	**Weather**	Partly Cloudy
Wave Height	**Land Use**	**Air Temp**	65 Fahrenheit
Speed		**Wind Speed**	
Direction		**Direction**	

Site Hazards

Yes	No	Hazards	Yes	No	Hazards	Yes	No	Hazards
x		Boat Safety		x	Fire, Explosion, In-situ Burning	x		Pump Hose
x		Chemical Hazards	x		Heat Stress	x		Slips, Trips, and Falls
	x	Cold Stress		x	Helicopter Operations		x	Steam and Hot Water
	x	Confined Spaces	x		Lifting		x	Trenching/Excavation
	x	Drum Handling	x		Motor Vehicles	x		UV Radiation
x		Equipment Operations	x		Noise	x		Visibility
	x	Electrical Operations	x		Overhead/Buried Utilities	x		Weather
x		Fatigue	x		Plants/Wildlife	x		Work Near Water

Air Monitoring Limits

Oxygen Level	Outside 19.5-23.5	Hydrogen Sulfide	10 ppm	Total Hydrocarbons	50 ppm
LEL	Greater than 10%	Benzene	.5 ppm		

Engineering Controls

x	Source of release secured	x	Valve(s) closed	x	Energy sources locked/tagged out
x	Site secured	x	Facility shut down		

Personal Protective Equipment Required

	Impervious suit	x	Flame resistant clothing	x	Eye protection
x	Inner gloves	x	Hard hats	x	Personal flotation
x	Outer gloves	x	Respirators	x	Boots

Additional Control Measures Established

x	Decontamination	x	Illumination	x	Additional stations established
x	Sanitation	x	Medical surveillance	x	Facilities provided

Work Plan

x	Booming		Excavation		Hot work
x	Skimming	x	Heavy equipment		Appropriate permits used
x	Vac trucks	x	Sorbent pads		
x	Pumping		Patching		

Training

x	Verified site workers trained per local/federal regulatory requirements	**Training Requirements**	HAZWOPER

Organization

Position	*Name*	*Telephone/Radio*	*Position*	*Name*	*Telephone/Radio*
Incident Commander	Weber, Brent	(225) 806-5136	Water Operations Branch Supervisor	McLelland, Reid	281-838-7567
Safety Officer (Water Operations)	Larson, Alan	786-973-1225	Water Operations Branch Supervisor (USCG)	Tilimon, Matthew	832-256-3261
Operations Section Chief	Jacobson, Jeff	713-516-6916			

Emergency Plan

x	Fire Prevention Plan	x	Evacuation Plan		
x	Alarm System	x	First Aid Location		

Notifications

	Facility		*Phone*		*Facility*		*Phone*
x	**Hospital**	Houston Healthcare Southeast	713-359-1440	x	**Fire**	Channelview FD	911 / (281) 452-5782
x	**Ambulance**	Acadian Ambulance - In Staging Area	409-833-3800	x	**Law Enforcement**	Harris County Sheriff	(713) 637-0014
x	**Air Ambulance**	Channelview FD	911 / (281) 452 -5782		**Emergency Response/Rescue**		

Initial Briefing

x	Initial safety briefing prepared for each site

Attachments/Appendices

Attachment	***Filename***
ICS208 SSP On Water Operations Branch 24MAR19	FormPDF.pdf

ICS 208 - Site Safety Plan	Version Name: Division B On Water Operations
Incident Name: 2nd 80's Fire	Period: Period 9 [04/01/2019 07:00 - 04/03/2019 07:00]
Applies to Site: Division B	

Site Characterization

Water		**Land**		**Weather**	Partly Cloudy
Wave Height		**Land Use**		**Air Temp**	65 Fahrenheit
Speed	0.48 knot (s)			**Wind Speed**	
Direction	NNW			**Direction**	

Site Hazards

Yes	No	Hazards	Yes	No	Hazards	Yes	No	Hazards
x		Boat Safety		x	Fire, Explosion, In-situ Burning	x		Pump Hose
x		Chemical Hazards	x		Heat Stress	x		Slips, Trips, and Falls
	x	Cold Stress		x	Helicopter Operations		x	Steam and Hot Water
	x	Confined Spaces	x		Lifting		x	Trenching/Excavation
	x	Drum Handling	x		Motor Vehicles	x		UV Radiation
x		Equipment Operations	x		Noise	x		Visibility
	x	Electrical Operations	x		Overhead/Buried Utilities		x	Weather
x		Fatigue	x		Plants/Wildlife	x		Work Near Water

Air Monitoring Limits

Oxygen Level	Outside 19.5-23.5	Hydrogen Sulfide	10 ppm	Total Hydrocarbons	50 ppm
LEL	Greater than 10%	Benzene	.5 ppm		

Engineering Controls

x	Source of release secured	x	Valve(s) closed	x	Energy sources locked/tagged out
x	Site secured	x	Facility shut down		

Personal Protective Equipment Required

	Impervious suit	x	Flame resistant clothing	x	Eye protection
x	Inner gloves	x	Hard hats		Personal flotation
x	Outer gloves	x	Respirators	x	Boots

Additional Control Measures Established

x	Decontamination	x	Illumination	x	Additional stations established
x	Sanitation	x	Medical surveillance	x	Facilities provided

Work Plan

x	Booming		Excavation		Hot work
x	Skimming	x	Heavy equipment		Appropriate permits used
x	Vac trucks	x	Sorbent pads		
x	Pumping		Patching		

Training

x	Verified site workers trained per local/federal regulatory requirements	**Training Requirements**	HAZWOPER

Organization

Position	*Name*	*Telephone/Radio*	*Position*	*Name*	*Telephone/Radio*
Incident Commander	Weber, Brent	(225) 806-5136	Water Operations Branch Supervisor	McLelland, Reid	281-838-7567
Safety Officer (Water Operations)	larson		Water Operations Branch Supervisor (USCG)	Tilimon, Matthew	832-256-3261
Operations Section Chief	Jacobson, Jeff	713-516-6916			

Emergency Plan

x	Fire Prevention Plan	x	Evacuation Plan		
x	Alarm System	x	First Aid Location		

Notifications

	Facility		*Phone*		*Facility*		*Phone*
x	**Hospital**	Houston Healthcare Southeast	713-359-1440	x	**Fire**	Channelview FD	911
x	**Ambulance**	Acadian Ambulance - In Staging Area	409-833-3800	x	**Law Enforcement**	Harris County Sheriff	(713) 637-0014
x	**Air Ambulance**	Channelview FD	911	☐	**Emergency Response/Rescue**		

Initial Briefing

x	Initial safety briefing prepared for each site

Attachments/Appendices

Attachment	***Filename***
ICS208 SSP On Water Operations Branch 24MAR19	FormPDF.pdf

ICS 208 - Site Safety Plan	Version Name: Division C On Water Operations
Incident Name: 2nd 80's Fire	Period: Period 9 [04/01/2019 07:00 - 04/03/2019 07:00]
Applies to Site: Division C	

Site Characterization

Water		**Land**		**Weather**	Partly Cloudy
Wave Height		**Land Use**		**Air Temp**	65 Fahrenheit
Speed	0.48 knot (s)			**Wind Speed**	
Direction	NNW			**Direction**	

Site Hazards

Yes	No	Hazards	Yes	No	Hazards	Yes	No	Hazards
x		Boat Safety	x		Fire, Explosion, In-situ Burning	x		Pump Hose
x		Chemical Hazards	x		Heat Stress	x		Slips, Trips, and Falls
	x	Cold Stress		x	Helicopter Operations		x	Steam and Hot Water
	x	Confined Spaces	x		Lifting		x	Trenching/Excavation
	x	Drum Handling	x		Motor Vehicles		x	UV Radiation
x		Equipment Operations	x		Noise	x		Visibility
	x	Electrical Operations	x		Overhead/Buried Utilities		x	Weather
x		Fatigue	x		Plants/Wildlife	x		Work Near Water

Air Monitoring Limits

Oxygen Level	Outside 19.5-23.5	Hydrogen Sulfide	10 ppm	Total Hydrocarbons	50 ppm
LEL	Greater than 10%	Benzene	.5 ppm		

Engineering Controls

x	Source of release secured	x	Valve(s) closed	x	Energy sources locked/tagged out
x	Site secured	x	Facility shut down		

Personal Protective Equipment Required

	Impervious suit	x	Flame resistant clothing	x	Eye protection
x	Inner gloves	x	Hard hats	x	Personal flotation
x	Outer gloves	x	Respirators	x	Boots

Additional Control Measures Established

x	Decontamination	x	Illumination	x	Additional stations established
x	Sanitation	x	Medical surveillance	x	Facilities provided

Work Plan

x	Booming		Excavation		Hot work
x	Skimming	x	Heavy equipment		Appropriate permits used
x	Vac trucks	x	Sorbent pads		
x	Pumping		Patching		

Training

x	Verified site workers trained per local/federal regulatory requirements	**Training Requirements**	HAZWOPER

Organization

Position	*Name*	*Telephone/Radio*	*Position*	*Name*	*Telephone/Radio*
Incident Commander	Weber, Brent	(225) 806-5136	Water Operations Branch Supervisor	McLelland, Reid	281-838-7567
Safety Officer (Water Operations)	Larson, Alan	786-973-1225	Water Operations Branch Supervisor (USCG)	Tilimon, Matthew	832-256-3261
Operations Section Chief	Jacobson, Jeff	713-516-6916			

Emergency Plan

x	Fire Prevention Plan	x	Evacuation Plan		
x	Alarm System	x	First Aid Location		

Notifications

	Facility		*Phone*		*Facility*		*Phone*
☐	**Hospital**	Houston Healthcare Southeast	713-359-1440	x	**Fire**	Channelview FD	911
x	**Ambulance**	Acadian Ambulance - In Staging Area	409-833-3800	x	**Law Enforcement**	Harris County Sheriff	(713) 637-0014
x	**Air Ambulance**	Channelview FD	911	☐	**Emergency Response/Rescue**		

Initial Briefing

x	Initial safety briefing prepared for each site

Attachments/Appendices

Attachment	***Filename***
ICS208 SSP On Water Operations Branch 24MAR19	FormPDF.pdf

ICS 208 - Site Safety Plan	Version Name: Division D On Water Operations
Incident Name: 2nd 80's Fire	Period: Period 9 [04/01/2019 07:00 - 04/03/2019 07:00]
Applies to Site: Division D	

Site Characterization

Water		**Land**		**Weather**	Partly Cloudy
Wave Height		**Land Use**		**Air Temp**	65 Fahrenheit
Speed	0.48 knot (s)			**Wind Speed**	
Direction	NNW			**Direction**	

Site Hazards

Yes	No	Hazards	Yes	No	Hazards	Yes	No	Hazards
x		Boat Safety	x		Fire, Explosion, In-situ Burning	x		Pump Hose
x		Chemical Hazards	x		Heat Stress	x		Slips, Trips, and Falls
	x	Cold Stress		x	Helicopter Operations		x	Steam and Hot Water
	x	Confined Spaces	x		Lifting		x	Trenching/Excavation
	x	Drum Handling	x		Motor Vehicles	x		UV Radiation
x		Equipment Operations	x		Noise	x		Visibility
	x	Electrical Operations	x		Overhead/Buried Utilities		x	Weather
x		Fatigue	x		Plants/Wildlife	x		Work Near Water

Air Monitoring Limits

Oxygen Level	Outside 19.5-23.5	Hydrogen Sulfide	10 ppm	Total Hydrocarbons	50 ppm
LEL	Greater than 10%	Benzene	.5 ppm		

Engineering Controls

x	Source of release secured	x	Valve(s) closed	x	Energy sources locked/tagged out
x	Site secured	x	Facility shut down		

Personal Protective Equipment Required

	Impervious suit	x	Flame resistant clothing	x	Eye protection
x	Inner gloves	x	Hard hats		Personal flotation
x	Outer gloves	x	Respirators	x	Boots

Additional Control Measures Established

x	Decontamination	x	Illumination	x	Additional stations established
x	Sanitation	x	Medical surveillance	x	Facilities provided

Work Plan

x	Booming		Excavation		Hot work
x	Skimming	x	Heavy equipment		Appropriate permits used
x	Vac trucks	x	Sorbent pads		
x	Pumping		Patching		

Training

x	Verified site workers trained per local/federal regulatory requirements	**Training Requirements**	HAZWOPER

Organization

Position	*Name*	*Telephone/Radio*	*Position*	*Name*	*Telephone/Radio*
Incident Commander	Weber, Brent	(225) 806-5136	Operations Section Chief	Jacobson, Jeff	713-516-6916
Safety Officer	Sterkel, Gary	281-384-9519			

Emergency Plan

x	Fire Prevention Plan	x	Evacuation Plan		
x	Alarm System	x	First Aid Location		

Notifications

	Facility		*Phone*		*Facility*		*Phone*
	Hospital	Houston Healthcare Southeast	713-359-1440	x	**Fire**	Channelview FD	911
x	**Ambulance**	Acadian Ambulance - In Staging Area	409-833-3800	x	**Law Enforcement**	Harris County Sheriff	(713) 637-0014
x	**Air Ambulance**	Channelview FD	911		**Emergency Response/Rescue**		

Initial Briefing

x	Initial safety briefing prepared for each site

Attachments/Appendices

Attachment	***Filename***
ICS208 SSP On Water Operations Branch 25MAR19	FormPDF.pdf

ICS 208 - Site Safety Plan	Version Name: Division E
Incident Name: 2nd 80's Fire	Period: Period 9 [04/01/2019 07:00 - 04/03/2019 07:00]
Applies to Site:	

Site Characterization

Water	**Land**	**Weather**
Wave Height	**Land Use**	**Air Temp**
Speed		**Wind Speed**
Direction		**Direction**

Site Hazards

Yes	No	Hazards	Yes	No	Hazards	Yes	No	Hazards
☐	☐	Boat Safety	☐	☐	Fire, Explosion, In-situ Burning	☐	☐	Pump Hose
☐	☐	Chemical Hazards	☐	☐	Heat Stress	☐	☐	Slips, Trips, and Falls
☐	☐	Cold Stress	☐	☐	Helicopter Operations	☐	☐	Steam and Hot Water
☐	☐	Confined Spaces	☐	☐	Lifting	☐	☐	Trenching/Excavation
☐	☐	Drum Handling	☐	☐	Motor Vehicles	☐	☐	UV Radiation
☐	☐	Equipment Operations	☐	☐	Noise	☐	☐	Visibility
☐	☐	Electrical Operations	☐	☐	Overhead/Buried Utilities	☐	☐	Weather
☐	☐	Fatigue	☐	☐	Plants/Wildlife	☐	☐	Work Near Water

Air Monitoring Limits

Oxygen Level		Hydrogen Sulfide		Total Hydrocarbons	
LEL		Benzene			

Engineering Controls

☐	Source of release secured	☐	Valve(s) closed	☐	Energy sources locked/tagged out
☐	Site secured	☐	Facility shut down		

Personal Protective Equipment Required

☐	Impervious suit	☐	Flame resistant clothing	☐	Eye protection
☐	Inner gloves	☐	Hard hats	☐	Personal flotation
☐	Outer gloves	☐	Respirators	☐	Boots

Additional Control Measures Established

☐	Decontamination	☐	Illumination	☐	Additional stations established
☐	Sanitation	☐	Medical surveillance	☐	Facilities provided

Work Plan

☐	Booming	☐	Excavation	☐	Hot work
☐	Skimming	☐	Heavy equipment	☐	Appropriate permits used
☐	Vac trucks	☐	Sorbent pads		
☐	Pumping	☐	Patching		

Training

☐	Verified site workers trained per local/federal regulatory requirements	**Training Requirements**	

Organization

Position	*Name*	*Telephone/Radio*	*Position*	*Name*	*Telephone/Radio*
Incident Commander	Weber, Brent	(225) 806-5136	Water Operations Branch Supervisor	McLelland, Reid	281-838-7567

Incident Name: 2nd 80's Fire | Period: Period 9 [04/01/2019 07:00 - 04/03/2019 07:00]

Safety Officer (Water Operations)	Larson, Alan	786-973-1225	Water Operations Branch Supervisor (USCG)	Tilimon, Matthew	832-256-3261
Operations Section Chief	Jacobson, Jeff	713-516-6916			

Emergency Plan

☐	Fire Prevention Plan	☐	Evacuation Plan		
☐	Alarm System	☐	First Aid Location		

Notifications

	Facility		*Phone*		*Facility*		*Phone*
☐	**Hospital**			☐	**Fire**		
☐	**Ambulance**			☐	**Law Enforcement**		
☐	**Air Ambulance**			☐	**Emergency Response/Rescue**		

Initial Briefing

☐	Initial safety briefing prepared for each site

ICS 208 - Site Safety Plan	Version Name: Tank Farm Operations
Incident Name: 2nd 80's Fire	Period: Period 9 [04/01/2019 07:00 - 04/03/2019 07:00]
Applies to Site: Division E	

Site Characterization

Water		**Land**		**Weather**	Mostly Cloudy
Wave Height		**Land Use**		**Air Temp**	68 Fahrenheit
Speed	0.48 knot (s)			**Wind Speed**	0 mph
Direction	NNW			**Direction**	SSE

Site Hazards

Yes	No	Hazards	Yes	No	Hazards	Yes	No	Hazards
☐	x	Boat Safety	x	☐	Fire, Explosion, In-situ Burning	x	☐	Pump Hose
x	☐	Chemical Hazards	x	☐	Heat Stress	x	☐	Slips, Trips, and Falls
☐	x	Cold Stress	x	☐	Helicopter Operations	☐	x	Steam and Hot Water
☐	x	Confined Spaces	x	☐	Lifting	☐	x	Trenching/Excavation
☐	x	Drum Handling	x	☐	Motor Vehicles	x	☐	UV Radiation
x	☐	Equipment Operations	x	☐	Noise	x	☐	Visibility
☐	x	Electrical Operations	x	☐	Overhead/Buried Utilities	☐	x	Weather
x	☐	Fatigue	☐	x	Plants/Wildlife	☐	x	Work Near Water

Air Monitoring Limits

Oxygen Level	Outside 19.5-23.5	Hydrogen Sulfide	10 ppm	Total Hydrocarbons	50 ppm
LEL	Greater than 10%	Benzene	.5 ppm		

Engineering Controls

☐	Source of release secured	x	Valve(s) closed	x	Energy sources locked/tagged out
x	Site secured	x	Facility shut down		

Personal Protective Equipment Required

☐	Impervious suit	x	Flame resistant clothing	x	Eye protection
x	Inner gloves	x	Hard hats	☐	Personal flotation
x	Outer gloves	x	Respirators	x	Boots

Additional Control Measures Established

x	Decontamination	x	Illumination	x	Additional stations established
x	Sanitation	x	Medical surveillance	x	Facilities provided

Work Plan

☐	Booming	☐	Excavation	☐	Hot work
☐	Skimming	x	Heavy equipment	☐	Appropriate permits used
x	Vac trucks	x	Sorbent pads		
x	Pumping	☐	Patching		

Training

x	Verified site workers trained per local/federal regulatory requirements	**Training Requirements**	HAZWOPER

Organization

Position	*Name*	*Telephone/Radio*	*Position*	*Name*	*Telephone/Radio*
Incident Commander	Weber, Brent	(225) 806-5136	Operations Section Chief	Jacobson, Jeff	713-516-6916
Safety Officer	Collins, Ray	713-614-8550			

Emergency Plan

x	Fire Prevention Plan	x	Evacuation Plan		
x	Alarm System	x	First Aid Location		

Notifications

	Facility		*Phone*		*Facility*		*Phone*
x	**Hospital**	Houston Healthcare Southeast	713-359-1440	x	**Fire**	Deer Park VFD	911/281-479-1511
x	**Ambulance**	Deer Park VFD	911/281-479-1511	x	**Law Enforcement**	Harris County Sheriff	(713) 637-0014
	Air Ambulance	Deer Park VFD	911/281-479-1511	x	**Emergency Response/Rescue**	Deer Park VFD	911/281-479-1511

Initial Briefing

x	Initial safety briefing prepared for each site

Attachments/Appendices

Attachment	***Filename***
Gasoline Blendstock - Copy.pdf	Gasoline Blendstock - Copy.pdf
Gasoline Blendstock.pdf	Gasoline Blendstock.pdf
Marathon Petroleum Xylene - Copy.pdf	Marathon Petroleum Xylene - Copy.pdf
PYROLYSIS GASOLINE - Copy.pdf	PYROLYSIS GASOLINE - Copy.pdf
Toluene Commercial Grade - Copy.pdf	Toluene Commercial Grade - Copy.pdf
YUBASE 4 plus - Copy.pdf	YUBASE 4 plus - Copy.pdf
YUBASE 6 - Copy.pdf	YUBASE 6 - Copy.pdf

ICS 208 - Site Safety Plan	Version Name: On-Water Decon Group
Incident Name: 2nd 80's Fire	Period: Period 9 [04/01/2019 07:00 - 04/03/2019 07:00]
Applies to Site: On-Water Decon Group	

Site Characterization

Water		**Land**		**Weather**	Partly Cloudy
Wave Height		**Land Use**		**Air Temp**	65 Fahrenheit
Speed	0.48 knot (s)			**Wind Speed**	
Direction	NNW			**Direction**	

Site Hazards

Yes	No	Hazards	Yes	No	Hazards	Yes	No	Hazards
x		Boat Safety		x	Fire, Explosion, In-situ Burning	x		Pump Hose
x		Chemical Hazards	x		Heat Stress	x		Slips, Trips, and Falls
	x	Cold Stress		x	Helicopter Operations		x	Steam and Hot Water
	x	Confined Spaces	x		Lifting		x	Trenching/Excavation
	x	Drum Handling	x		Motor Vehicles	x		UV Radiation
x		Equipment Operations	x		Noise	x		Visibility
	x	Electrical Operations	x		Overhead/Buried Utilities		x	Weather
x		Fatigue		x	Plants/Wildlife	x		Work Near Water

Air Monitoring Limits

Oxygen Level	Outside 19.5-23.5	Hydrogen Sulfide	10 ppm	Total Hydrocarbons	50 ppm
LEL	Greater than 10%	Benzene	.5 ppm		

Engineering Controls

x	Source of release secured	x	Valve(s) closed	x	Energy sources locked/tagged out
x	Site secured	x	Facility shut down		

Personal Protective Equipment Required

	Impervious suit	x	Flame resistant clothing	x	Eye protection
x	Inner gloves	x	Hard hats		Personal flotation
x	Outer gloves	x	Respirators	x	Boots

Additional Control Measures Established

x	Decontamination	x	Illumination	x	Additional stations established
x	Sanitation	x	Medical surveillance	x	Facilities provided

Work Plan

x	Booming		Excavation		Hot work
x	Skimming	x	Heavy equipment		Appropriate permits used
x	Vac trucks	x	Sorbent pads		
x	Pumping		Patching		

Training

x	Verified site workers trained per local/federal regulatory requirements	**Training Requirements**	HAZWOPER

Organization

Position	*Name*	*Telephone/Radio*	*Position*	*Name*	*Telephone/Radio*
Incident Commander	Weber, Brent	(225) 806-5136	Water Operations Branch Supervisor	McLelland, Reid	281-838-7567
Safety Officer (Water Operations)	Larson, Alan	786-973-1225	Water Operations Branch Supervisor (USCG)	Tilimon, Matthew	832-256-3261
Operations Section Chief	Jacobson, Jeff	713-516-6916			

Emergency Plan

x	Fire Prevention Plan	x	Evacuation Plan		
x	Alarm System	x	First Aid Location		

Notifications

	Facility		*Phone*		*Facility*		*Phone*
☐	**Hospital**	Houston Healthcare Southeast	713-359-1440	x	**Fire**	Channelview FD	911 / (281) 452-5782
x	**Ambulance**	Acadian Ambulance - In Staging Area	409-833-3800	x	**Law Enforcement**	Harris County Sheriff	(713) 637-0014
x	**Air Ambulance**	Channelview FD	911 / (281) 452 -5782	☐	**Emergency Response/Rescue**		

Initial Briefing

x	Initial safety briefing prepared for each site

Attachments/Appendices

Attachment	***Filename***
ICS208 SSP On Water Operations Branch 24MAR19	FormPDF.pdf

ICS 208 - Site Safety Plan	Version Name: ICP Pasedena
Incident Name: 2nd 80's Fire	Period: Period 9 [04/01/2019 07:00 - 04/03/2019 07:00]
Applies to Site: ICP Pasadena	

Site Characterization

Water		**Land**		**Weather**	
Wave Height		**Land Use**		**Air Temp**	76 Fahrenheit
Speed	0.48 knot (s)			**Wind Speed**	2 mph
Direction	NNW			**Direction**	SE

Site Hazards

Yes	No	Hazards	Yes	No	Hazards	Yes	No	Hazards
☐	x	Boat Safety	☐	x	Fire, Explosion, In-situ Burning	x	☐	Pump Hose
☐	x	Chemical Hazards	☐	x	Heat Stress	x	☐	Slips, Trips, and Falls
☐	x	Cold Stress	☐	x	Helicopter Operations	☐	x	Steam and Hot Water
☐	x	Confined Spaces	x	☐	Lifting	☐	x	Trenching/Excavation
☐	x	Drum Handling	x	☐	Motor Vehicles	☐	x	UV Radiation
☐	x	Equipment Operations	☐	x	Noise	☐	x	Visibility
☐	x	Electrical Operations	☐	x	Overhead/Buried Utilities	☐	x	Weather
x	☐	Fatigue	☐	x	Plants/Wildlife	☐	x	Work Near Water

Air Monitoring Limits

Oxygen Level	Outside 19.5-23.5	Hydrogen Sulfide	10 ppm	Total Hydrocarbons	50 ppm
LEL	Greater than 10%	Benzene	.5 ppm		

Engineering Controls

☐	Source of release secured	☐	Valve(s) closed	☐	Energy sources locked/tagged out
x	Site secured	☐	Facility shut down		

Personal Protective Equipment Required

☐	Impervious suit	☐	Flame resistant clothing	☐	Eye protection
☐	Inner gloves	☐	Hard hats	☐	Personal flotation
☐	Outer gloves	☐	Respirators	☐	Boots

Additional Control Measures Established

☐	Decontamination	x	Illumination	x	Additional stations established
x	Sanitation	x	Medical surveillance	x	Facilities provided

Work Plan

☐	Booming	☐	Excavation	☐	Hot work
☐	Skimming	x	Heavy equipment	☐	Appropriate permits used
☐	Vac trucks	☐	Sorbent pads		
x	Pumping	☐	Patching		

Training

☐	Verified site workers trained per local/federal regulatory requirements	**Training Requirements**	

Organization

Position	*Name*	*Telephone/Radio*	*Position*	*Name*	*Telephone/Radio*
Incident Commander	Weber, Brent	(225) 806-5136	Operations Section Chief	Jacobson, Jeff	713-516-6916
Safety Officer	Sterkel, Gary	281-384-9519			

Emergency Plan

☐	Fire Prevention Plan	x	Evacuation Plan		
x	Alarm System	x	First Aid Location		

Notifications

	Facility		*Phone*		*Facility*		*Phone*
x	**Hospital**	Houston Healthcare Southeast	713-359-1440	x	**Fire**	Pasadena VFD	911/713.475.5554
x	**Ambulance**	Pasadena VFD	911/713.475.5554	x	**Law Enforcement**	Harris County Sheriff	(713) 637-0014
x	**Air Ambulance**	Pasadena VFD	911/713.475.5554	x	**Emergency Response/Rescue**	Pasadena VFD	911/713.475.5554

Initial Briefing

x	Initial safety briefing prepared for each site