ICS 209 (Oil Spill) - Incident Status Summary

Version Name: 20200101

Incident Name: South 4 Group Fire

Period: Period 16 [12/19/2019 06:00 - 01/31/2020 06:00]

Spill Status (Estimated)

Source Status		
SECURED	**Remaining potential**	151,740
	Rate of spillage	0 barrel(s)
	Volumes measured in	barrel(s)

	Since Last Report	Total
Total Volume Spilled	0	999

Mass Balance (Estimated)

Volumes in gallon(s)

Recovered Material (Liquid)	15,000	76,500
Foam	0	1,320
Combusted Material (bbl)	0	48,970

Waste (Estimated)

Type	Recovered	Stored	Disposed	UOM
Sorbent: Boom	13,720			Feet
Debris	1,329			Bags
Liquid	230,030			gallon (s)

Shoreline Impacts

Distances measured in mile(s)

Degree of Oiling	Affected	Cleaned	Remaining to be Cleaned

Wildlife Impacts

Type	Captured	Cleaned	Released	DOA	Died In Facility: Euth.	Died In Facility: Other
Fish Above 3"	0	0	0	68	0	0
Bird	0	0	0	0	0	0
Mammal	0	0	0	0	0	0
Reptile	0	0	0	1	0	0
2-3" Fish	0	0	0	2,000	0	0
Blue Crab	0	0	0	18	0	0
Pig				2		
Turtle				1		

Safety Status

Type	Amount since last report	Total Amount
Public Injury	0	0
Responder Injury	1	5
Community Air Readings for all analytes	0	116,000
BD - Community Air Detections above action level	0	240
Community Air Monitoring readings for Butadiene		41,035
VOC - Community Air Detections above action level	0	11

Equipment Resources

Kind	Ordered	Available	Assigned	Out-Of-Service	Total Count
Air Monitor - MultiRAE	0	0	73	0	73
Air Monitor - UltraRAE	0	5	43	0	48
Boom	0	1	2,000	0	2,001
Fire Fighting Foam	0	0	0	0	0
Jon Boat	0	0	3	1	4
Pumps	2	16	17	0	35
Response Boat	0	0	0	0	0
Skimmer	0	17	1	0	18
Sorbent: Boom	0	50	8,350	0	8,400
UTV	7	8	25	0	40
Vacuum Truck	0	0	6	0	6
Vehicle	10	18	154	0	182
Viscous Sweep	0	0	201	0	201

Personnel Resources

Organization	People in the Field	People in Cmd. Post	Total People On Scene
Other	3	0	3
Federal	0	0	0
State	3	0	3
Local	10	1	11
RP	74	29	103
Contract Personnel	291	29	320
Totals	**381**	**59**	**440**

Special Notes

Active Fires: 1

Notes:

*Spilled material based on 98% destruction efficiency of the fire.

NO CIR's

Safety Status

Type	Amount since last report	Total Amount
Community Air Monitoring readings for VOC		41,000

ED_004345_00001271-00002

Daily Summary – TPC Port Neches South 4 Group Fire
1/1/2020

The waterway has now transitioned to Maintenance and Monitoring Mode

Shoreline Impacts	Assessed, miles	In Remediation, miles	Sign Off
No Oil Observed	4.96		4.96
Light Oil	1.05		1.05
SCAT Recommends No Further Treatment	2.58		2.58

- There were no CIR's issued on 1/1.
- No new leaks were identified. One leak and the associated water spray was stopped 1/1. The line will be blinded off 1/2.
- Meetings are progressing with SRS to address Block 5 leaks.
- There were no BD or VOC readings above detection levels. Community air monitoring for Butadiene and VOC continues to be performed 24/7 within the ½-mile radius of the site.
- Water continues to be sprayed on 2 areas to help reduce concentrations of butadiene within the work zone. The flow has been reduced to 2000 gpm. We are monitoring the 201 Outfall frequently to minimize any overflow of the weir.
- Progress:
    - The Dock hydrotesting has begun. Dock 3 was completed on 1/1 with all piping passing. Dock 2 testing was in progress the evening of 1/1.
    - The PHA for De-Inventory was completed
    - Baker Risk completed the mapping location of drums at the site.
    - Seven work practices were submitted to the field for various jobs as progress continues towards beginning to de-inventory the site.
- Work Zone recovery of PACM/ACM material continued. Wipe tests were collected per the Building ACM Plan. Asbestos abatement has been completed in 7 of 13 Blocks.
- There was no DEHA injection on 1/1.
- The drone flew routine routes observing the waterways and performing the daily tank inventory. There were no issues identified.
- The following table provides a list of ongoing leaks have been identified on lines associated with the following:

Tank Number/Equipment Type	Material in Tank	Component Involved	Repaired
39	Raffinate	Flange on line east of sphere 39	
40	Raffinate	Tubing valve	12/14/2019
36	High Butane Raffinate	Flange on tank	
33	High Butane Raffinate	Tubing fitting. Leak under tank not accessible.	
35	High Butane Raffinate	Tubing leak	
90 & 91	High Purity Butadiene	Leak on common suction line, 092 that runs N to S	
26	Crude C4	Line leak, attempted repair with clamp	12/14/2019
30	Water and NMP Solvent	Tubing fitting	12/13/2019
219	MTBE	Vacuum Breaker, Intermittent	
2" Flange SE corner of block 10	Assumed BD	Flange	1/1/2020

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Tank Number/Equipment Type	Material in Tank	Component Involved	Repaired
6" valve at block 5 on 3rd street	Raff	Valve	12/17/2019
Tank 42 Relief Valve	Raff	Relief Valve	
2-Six-inch line leaks where Tank 34	Raffinate, High BD	Line Leak	
1-6" Line (originally thought to be 2-10" lines to process compressor)	High BD concentration,	Damaged piping	
Tank 220	MTBE	Vacuum Breaker	
3" Line in Block 5	Assumed BD	Line Leak	
3" flange SW of 33tk on 2nd St.	Assumed BD	Flange	
Sphere 38	Polyblend	Telltale Line	

- The Outfall Canal remains in Monitoring and Maintenance mode. Water was approximately 1' below the Outfall 201 weir.

Upcoming Activities

- Implementing the Nitrogen Header Purging /Clearing Process.
- Monitoring of the schools has been suspended during Holiday Break, but the area will continue to be monitored as part of the 1/2 -mile radius Air Monitoring Plan. Classes will begin again next week.
- The Potential Asbestos Containing Material (PACM) Cleanup Team continues collecting material found on the ground, per the approved plan. They will continue the work but will not remediate the area or disturb the evidence. The teams, comprised of approximately 38 people, started at the north end of the site and have completed the removal from several blocks. Material will continue to be removed in a planned manner until the whole site has been completed.
- The Technical Teams continue to develop and review the plans that are being developed ultimately de-inventory equipment at the site.

Health and Safety

- No issues.

Water Effluent

- Status of 201: 1' below the weir.
- GPM to JWWTP: 2050 gpm.

Water Testing: Analytical summaries were provided 12/30

- As of December 28, 2019, a total of 231 surface water samples have been collected at 21 different locations for VOCs, SVOCs, PAH, PFAS, TPH, TOC, oil and grease, ethylene glycol, and asbestos analysis. Results of these analyses are not representative of drinking water sources.
- As of December 28, 2019, 215 surface water sample results have been received for VOC analysis and 131 results received for asbestos analysis.
- There have been no exceedances of TCEQ Contact Recreation Water Protective Concentration Limit (PCL) screening levels for the surface water samples with available PCLs. Where no PCLs are available, results are being compared to background surface water samples.

Wildlife Report

- There were no Wildlife reports on 1/1/2020.

Recovery Operations

- Routine monitoring.

SCAT Report

- Maintenance and Monitoring Plan is in effect.

Waste No changes 1/1/2020.

Profiles are being finalized and disposal options identified for the waste that has been collected outside of the site.

Gallons	Frac Tanks (20,000 gallons capacity)	# Of Tanks Used
177,500	Liquids from outfall canal skimming	9
10,000	Water and hydrocarbons from south separator	.5
30,000	Latex-laden Wastewater from LION	1.5
15,000	Hydrocarbons from API Separator	0.75
250	Wash Water from decon at Vallen Trailer	0.1
10,000	Liquids from Second Street Ditch	0.5
	Empty Available and Staged	5
235,250	**Totals**	**19**

CYD's	Potential Asbestos Containing Material (PACM)	# Of Boxes Used
12.5	Material from 201 outfall and south separator	0.5
30	Motiva (1-full, 1-in use)	2
6.25	Joint Waste Water	1
48.75	**Totals**	**4**

CYD's	Roll Off Boxes (25 CYD's capacity)	# Of Boxes Used
225	Hydrocarbon Debris and Sorbents from Canal	11
225	**Totals**	**11**

Empty available and staged (requested 4 more) 2

	Other	
	Routine Plant Trash (Garbage)	**1**
	Dirty Containment Boom waiting on decon	**0**

Worksite Air Monitoring

During this reporting period, no detections of 1,3-butadiene above the site-specific action levels approved by UC were observed. No detections of %LEL or VOCs were observed within the work area during this reporting period.

Community Air Monitoring

Please note: Air monitoring samples will continue to be collected, but analytical results will be reported once per week on Monday.

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Asbestos Monitoring

Community Remained the same as 12/31

- Wipe samples: Sixteen of the 385 samples collected have been positive for asbestos
- Bulk Sampling: 184 of 395 samples tested positive for asbestos

Air Monitoring Sampling Results

Community

The analytical information below represents data updated 12/30

Analytical	Detections	Samples Collected	Sample Stations
Volatile Organic Compounds (VOC)*	2*	572	54
Poly Aromatic Hydrocarbons (PAH)	2	476	28
Asbestos	1	947	44

2* There were detectable amounts of VOC, but two were above the Texas Commission on Environmental Quality (TCEQ) 24-hour AMCV (430 ppb), however below the TCEQ short-term AMCV (1,700 ppb).

Community Assessments

Please reference the next page for this community assessment information.

ED_004345_00001271-00006

Community Property Assessment Summary

284	116	232
Count of Industrial Debris Claims Sampled	Count of Properties with Observed Damage	Count of Properties with Observed Debris

Community Property Assessment Summary - Jefferson

252	110	202
Count of Industrial Debris Claims Sampled	Count of Properties with Observed Damage	Count of Properties with Observed Debris

Community Property Assessment Summary - Orange

32	6	30
Count of Industrial Debris Claims Sampled	Count of Properties with Observed Damage	Count of Properties with Observed Debris

Completed Property Assessments Property Type Sum

Type	# of Properties
Commercial/Business	2
Multi-family Residence	3
Single Family Home	279
	284