ICS 209 (Oil Spill) - Incident Status Summary

Version Name: 20191227

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	1,281			Bags
Liquid	216,850			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	106,000
BD - Community Air Detections above action level	0	238
Community Air Monitoring readings for Butadiene		37,703
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	10	0	10
Air Monitor - UltraRAE	0	0	0	0	0
Boom	0	1	2,000	0	2,001
Fire Fighting Foam	0	1,590	0	0	1,590
Jon Boat	0	0	3	1	4
Pumps	2	21	35	0	58
Response Boat	0	0	2	0	2
Skimmer	0	17	1	0	18
Sorbent: Boom	0	50	8,350	0	8,400
UTV	0	0	1	1	2
Vacuum Truck	0	0	9	3	12
Vehicle	4	17	108	1	130
Viscous Sweep	0	0	250	0	250

Personnel Resources

Organization	People in the Field	People in Cmd. Post	Total People On Scene
Other	3	0	3
Federal	0	0	0
State	0	0	0
Local	10	0	10
RP	89	30	119
Contract Personnel	420	41	461
Totals	**522**	**71**	**593**

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		37,973

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Daily Summary – TPC Port Neches South 4 Group Fire
12/27/2019

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 today.
- One new leak was identified.
- For more than eleven days, there have been no readings above detection limits for butadiene. On 12 /27, there was a VOC reading of 0.5 ppm on Spur 136 north of the site. The reading concentration was well below the action level for VOC. Community air monitoring for Butadiene and VOC continues to be performed 24/7 within the ½-mile radius of the site.
- Water, totaling approximately 2400 gpm, continues to be sprayed on 3 areas to help reduce concentrations of butadiene within the work zone. We are monitoring the 201 Outfall frequently to minimize any overflow of the weir.
- Work Zone recovery of PACM/ACM material continued. Wipe tests were collected per the Building ACM Plan. No results have been reported.
- There was no DEHA injection on 12/27.
- The drone flew its routine observation runs. There new no issues identified
- CTEH will provide a comprehensive summary of all water analyses by 12/30/2019.
- 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	
6" valve at block 5 on 3rd street	Raff	Valve	12/17/2019
Tank 42 Relief Valve	Raff	Relief Valve	

Tank Number/Equipment Type	Material in Tank	Component Involved	Repaired
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	

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

Upcoming Activities

- US Coast Guard will conduct a full inspection at the dock before the system is utilized for loading operations. Plans are being implemented to prepare the dock line for the hydrostatic testing.
- 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.
- 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 will start at the north end of the site, collecting the material in a planned manner until the whole site has been completed.
- The traffic pattern on Hwy. 366 will be opened to one lane in each direction on Saturday 28th at 0600.
- The Technical Teams continue to work on the plans that are being developed. The plan is to begin purging the dock line Monday morning in preparation for dock line hydrotest.

Health and Safety

- No issues.

Water Effluent

- Status of 201: 1' below the weir.
- GPM to JWWTP: 2950 gpm.

Water Testing: Analytical summaries will be provided each Monday

- As of December 21, 2019, a total of 222 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 21, 2019, 197 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.

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Wildlife Report

- There were no Wildlife reports on 12/27/2019

Recovery Operations

- Routine monitoring.

SCAT Report

- Maintenance and Monitoring Plan is in effect.

Waste No changes 12/27/2019.

Profiles are being developed 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

The report period until 06:00 this morning had no detections of VOCs or 1,3-butadiene above the respective site-specific action levels approved by UC. No detections of benzene, %LEL, or styrene were observed within the work area during this reporting period. The on-going reporting period had high detection concentrations for both Butadiene and VOC, but they dropped quickly back down.

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

- Wipe samples: Five of the 308 samples collected have been positive for asbestos
- Bulk Sampling: 163 of 352 samples tested positive for asbestos

Air Monitoring Sampling Results

Community

The analytical information below represents data as of 12/21/2019, as provided on 12/23.

Analytical	Detections	Samples Collected	Sample Stations
Volatile Organic Compounds (VOC)*	2*	503	54
Poly Aromatic Hydrocarbons (PAH)	None Detected	476	28
Asbestos	1**	891	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).

** The analysis has not been verified by second-level evaluation

Community Assessments

Please reference the next page for this community assessment information.

Community Property Assessment Summary

279	112	227
Count of Industrial Debris Claims Sampled	Count of Properties with Observed Damage	Count of Properties with Observed Debris

Community Property Assessment Summary - Jefferson

248	106	198
Count of Industrial Debris Claims Sampled	Count of Properties with Observed Damage	Count of Properties with Observed Debris

Community Property Assessment Summary - Orange

31	6	29
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	274
	279