

TCEQ Handheld Monitoring Equipment Data

TPC Group Fire – November 2019

Shortly after becoming aware of the fire at TPC Group Port Neches Operations that began on November 27, 2019, TCEQ Regional staff initiated handheld monitoring surveys in the area. MultiRAEs, QRAEs, AreaRAEs, MiniRAEs, UltraRAEs, VRAEs, and Toxic Vapor Analyzers with various sensors were used for all survey activities. These instruments provide instantaneous readings for various compounds that may include the lower explosive limit (LEL), volatile organic compounds (VOC), hydrogen sulfide (H₂S), carbon monoxide (CO), sulfur dioxide (SO₂), benzene, 1,3 butadiene, hydrogen cyanide (HCN), and oxygen.

Sample results from TCEQ's handheld monitoring equipment are listed below, including observations of odor. This incident is causing the release of chemicals called VOCs. Elevated levels of VOCs from this facility are odorous. Short-term exposure to high concentrations of VOCs can cause eye, nose, and throat irritation, shortness of breath, headaches, and nausea. If you experience these health effects leave the area until the situation has resolved.

Date	Location	Time (Approx.)	Instrument	LEL	VOC	H2S	CO	O2	Other Notes/ Observations
Thursday, January 2, 2020									
1/2/2020	2116 Merriman St, Port Neches, TX	8:30 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
1/2/2020	Park St & Avenue G, Port Neches, TX	9:00 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
1/2/2020	400-498 Avenue K, Port Neches, TX	9:30 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
1/2/2020	Avenue G & Main St, Port Neches, TX	10:00 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
1/2/2020	Park St & Rachford Ave, Port Neches, TX	10:30 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
1/2/2020	Santee St & Jackson Ave, Port Neches, TX	11:00 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
1/2/2020	902 Llano St, Port Neches, TX	11:30 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	21.0%	No Odor
1/2/2020	1220 Dallas St, Port Neches, TX	12:00 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	21.0%	No Odor
1/2/2020	1826 Nall St, Port Neches, TX	12:30 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	21.0%	No Odor
1/2/2020	Gulf Ave & Llano St, Port Neches, TX	1:00 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
1/2/2020	Texas Ave & N Cherokee, Port Neches, TX	1:30 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
1/2/2020	702 Texas Ave, Port Neches, TX	2:00 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
1/2/2020	621 Saybrook Ln, Port Neches, TX	2:30 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
1/2/2020	501 Drawhorn Dr, Port Neches, TX	3:00 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor

Date	Location	Time (Approx.)	Instrument	LEL	VOC	H2S	CO	O2	Other Notes/ Observations
Thursday, January 2, 2020									
1/2/2020	518 Cheryl Ct, Port Neches, TX	3:30 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
1/2/2020	430 Gist Dr, Port Neches, TX	4:00 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
1/2/2020	2305 Earle St, Port Neches, TX	4:30 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
1/2/2020	4411-2213 Earle St, Port Neches, TX	5:00 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
1/2/2020	2121 Park St, Port Neches, TX	5:30 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.8%	No Odor
1/2/2020	SH-136 & FM 366, Port Neches, TX	6:00 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.8%	No Odor
1/2/2020	Pine St & FM 366, Port Neches, TX	6:30 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
1/2/2020	511 Orchard Ave, Port Neches, TX	7:00 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
1/2/2020	2001 Merriman St, Port Neches, TX	8:30 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
1/2/2020	2016 Llano St, Port Neches, TX	9:05 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
1/2/2020	1801 Nall St, Port Neches, TX	9:40 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
1/2/2020	1106 Marion St, Port Neches, TX	10:15 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
1/2/2020	701 Montgomery St, Port Neches, TX	10:50 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
1/2/2020	706 Neches Oaks Blvd, Port Neches, TX	11:25 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor

Date	Location	Time (Approx.)	Instrument	LEL	VOC	H2S	CO	O2	Other Notes/ Observations
Friday, January 3, 2020									
1/3/2020	928 West Dr, Port Neches, TX	12:00 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
1/3/2020	1909 Avenue D, Port Neches, TX	12:35 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
1/3/2020	1213 Wagner St, Port Neches, TX	1:10 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
1/3/2020	1614 Johnson Ave, Port Neches, TX	1:45 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
1/3/2020	1010 Block St, Port Neches, TX	2:20 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
1/3/2020	911 Dallas St, Port Neches, TX	2:55 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
1/3/2020	718 Santee St, Port Neches, TX	3:30 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
1/3/2020	Tugboat Island, 500-630 Grigsby Ave, Port Neches, TX	4:05 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
1/3/2020	325 Avenue F, Port Neches, TX	4:40 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
1/3/2020	309 Grigsby Ave, Port Neches, TX	5:15 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
1/3/2020	821 Neches Dr, Port Neches, Tx	5:50 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
1/3/2020	100 Port Neches Atlantic Rd, Port Neches, Tx	6:25 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor