

Air Monitoring Summary Tables

The tables below summarize preliminary air monitoring data collected using EPA AreaRAE Pro and DustTrak DRX instruments.

Project Name: Morris Industrial Fire Site
Date/Time: 09/19/2022 08:00 to 09/23/2022 16:13

Northeast Air Monitoring Station					
Instrument	Analyte	Morris Industrial Fire Public Health Screening Level ¹	Public Health Screening Level Exceeded?	8-hour Period Concentration Range	Average of All 8-hour Periods
DustTrak #003 (S/N: 8533153915)	PM _{2.5} (mg/m ³)	0.025 mg/m ³	Yes (see comment 2)	0.001 to 0.055	0.007
	PM ₁₀ (mg/m ³)	0.05 mg/m ³	Yes (see comment 2)	0.001 to 0.082	0.007
AreaRAE Pro #4 (S/N: W01A00002413)	VOC (ppm)	0.5 ppm	No	0.0 to 0.0	0.0
	CO (ppm)	--	No	0.0 to 0.0	0.0
	H ₂ S (ppm)	0.1 ppm	No	0.0 to 0.0	0.0
	HF (ppm)	0.2 ppm	Yes (see comment 3)	0.0 to 0.2	0.0

Northwest Air Monitoring Station					
Instrument	Analyte	Morris Industrial Fire Public Health Screening Level ¹	Public Health Screening Level Exceeded?	8-hour Period Concentration Range	Average of All 8-hour Periods
DustTrak #007 (S/N: 8533153917)	PM _{2.5} (mg/m ³)	0.025 mg/m ³	Yes (see comment 2)	0.000 to 0.029	0.006
	PM ₁₀ (mg/m ³)	0.05 mg/m ³	No	0.000 to 0.036	0.007
AreaRAE Pro #3 (S/N: W01A00002412)	VOC (ppm)	0.5 ppm	No	0.0 to 0.2	0.0
	CO (ppm)	--	No	0.0 to 0.3	0.0
	H ₂ S (ppm)	0.1 ppm	No	0.0 to 0.0	0.0
	HF (ppm)	0.2 ppm	No	0.0 to 0.0	0.0

Southeast Air Monitoring Station					
Instrument	Analyte	Morris Industrial Fire Public Health Screening Level ¹	Public Health Screening Level Exceeded?	8-hour Period Concentration Range	Average of All 8-hour Periods
DustTrak #016 (S/N: 8533173907)	PM _{2.5} (mg/m ³)	0.025 mg/m ³	No	0.001 to 0.021	0.008
	PM ₁₀ (mg/m ³)	0.05 mg/m ³	No	0.001 to 0.023	0.009
AreaRAE Pro #1 (S/N: W01A00002410)	VOC (ppm)	0.5 ppm	No	0.0 to 0.3	0.0
	CO (ppm)	--	No	0.0 to 0.0	0.0
	H ₂ S (ppm)	0.1 ppm	No	0.0 to 0.0	0.0
	HF (ppm)	0.2 ppm	Yes (see comment 3)	0.0 to 0.6	0.0

Notes: See last page.

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Southwest Air Monitoring Station					
Instrument	Analyte	Morris Industrial Fire Public Health Screening Level ¹	Public Health Screening Level Exceeded?	8-hour Period Concentration Range	Average of All 8-hour Periods
DustTrak #008 (S/N: 8533154004)	PM _{2.5} (mg/m ³)	0.025 mg/m ³	No	0.000 to 0.018	0.007
	PM ₁₀ (mg/m ³)	0.05 mg/m ³	No	0.000 to 0.018	0.008
AreaRAE Pro #2 (S/N: W01A00002411)	VOC (ppm)	0.5 ppm	No	0.0 to 0.3	0.0
	CO (ppm)	--	No	0.0 to 0.0	0.0
	H ₂ S (ppm)	0.1 ppm	No	0.0 to 0.0	0.0
	HF (ppm)	0.2 ppm	Yes (see comment 3)	0.0 to 0.7	0.0

Comments
Air monitoring measurements have been averaged over a 8-hour time period and summarized above.
Start and stop times for each air monitoring instrument varies. The monitoring period is based on the earliest start time and latest stop time out of
Air monitoring is not performed during inclement weather conditions/rain and thunderstorms.
1 - Morris Industrial Fire Public Health Screening Levels are based on 8-hour time-weighted averages and were established by Agency for Toxic Substances and Disease Registry (ATSDR).
2 - PM _{2.5} and PM ₁₀ 1-hour TWAs were greater than the Action Level at multiple stations. Upwind/off-site elevated levels PM _{2.5} and PM ₁₀ impacted downwind air monitoring stations.
3 - Elevated HF measurements were documented at multiple stations. A mobile air monitoring instrument was used to verify the elevated measurements. The mobile instrument documented HF concentrations were 0 ppm during this time period.
Notes: °F - Degrees Fahrenheit CO - Carbon Monoxide H ₂ S - Hydrogen Sulfide HF - Hydrogen Fluoride LEL - Lower Explosive Limit mg/m ³ - Milligrams per cubic meter PM _{2.5} - Particles that are 2.5 micrometers and smaller PM ₁₀ - Particles that are 10 micrometers and smaller ppm - Parts per million S/N - Serial number VOC - Volatile organic compounds