

Air Monitoring Summary Tables

The table below summarize monitoring data collected on using EPA's Viper wireless remote monitoring system.

Project Name: Moody Landfill Fire

**From: 3/24/23
10:00 AM**

**To: 3/25/23
10:00 AM**



The predominant pollutant observed at monitoring stations is small particulate matter: PM-2.5. The "Concentration Range" column in the tables below shows minimum and maximum levels. The "Period Average" column is the most useful value and represents a full 24-hour day. The PM-2.5 Period Average is compared to the "24-Hour Average" column in the Communit Action Thresholds Table that is attached.

Note: line graphs show PM-2.5 in units of mg/m³ while tables on pages 1 and 2 show PM-2.5 in ug/m³. (1 mg/m³ = 1,000 ug/m³)

EPA Air Quality Station 03						
Instrument	Analyte	Action Level Exceedance?	Concentration Range	Period Average	Action Level	Action Level Basis
MultiRAE 3	VOC	No	0-100ppb	0.318 ppb	9000 ppb	AEGL-1, 8-hr
	CO	No	0-0ppm	0.00 ppm	27 ppm	AEGL-2, 8-hr
	LEL	No	0-0%	0.00 %	10%	29 CFR 1910.146, Confined Spaces
	HCN	No	0-0ppm	0.00 ppm	2 ppm	AEGL-1 , 1-hr
DustTrak 3	PM-2.5	No	5-200µg/m ³	13 µg/m ³	See Community Action Threshold Levels	PM2.5 Community Action Threshold Levels

EPA Air Quality Station 07						
Instrument	Analyte	Action Level Exceedance?	Concentration Range	Period Average	Action Level	Action Level Basis
MultiRAE 4	VOC	No	0-300ppb	1.1404 ppb	9000 ppb	AEGL-1, 8-hr
	CO	No	0-0ppm	0.00 ppm	27 ppm	AEGL-2, 8-hr
	LEL	No	0-0%	0.00 %	10%	29 CFR 1910.146, Confined Spaces
	HCN	No	0-0ppm	0.00 ppm	2 ppm	AEGL-1 , 1-hr
DustTrak 4	PM-2.5	No	7-209µg/m ³	16 µg/m ³	See Community Action Threshold Levels	PM2.5 Community Action Threshold Levels

Notes:

%	Percent
<	Less than
>	Greater than
AEGL	Acute Exposure Guideline Levels for Airborne Chemicals
C/m	Counts (ionization events) per minute
mg/m ³	milligrams per cubic meter
min	Minute
PAC	Protective Action Criteria
PEL	Permissible exposure limit
ppb	Parts per billion
ppm	Parts per million
PM	Particulate matter
SOG	Standard Operating Guidelines
SPM	Single Point Monitor
TEEL	Temporary Emergency Exposure Limit
TLV	Threshold limit value
µg/m ³	Micrograms per cubic meter
µrem/h	Microrem per hour
α	Alpha radiation (Ludlum 2241-2 can measure α under specific configuration)
β	Beta radiation (Ludlum 2241-2 can measure β)

Comments: All Stations had a period average lower than the action level of 35 µg/m³