

Air Monitoring Summary Tables

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

Project Name: Bishop Road Landfill Fire

From: 11/17/18
20:00

To: 11/18/18
7:59



Location 1							
Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
Area Rae 1	VOC	No	26,513	22,043	0 - 4.5 ppm	1.3 ppm	1 ppm
	CO	No	8,885	1,199	0 - 11 ppm	0.1 ppm	83 ppm
	H ₂ S	No	26,479	12,144	0 - 0.6 ppm	0.1 ppm	0.5 ppm
	O ₂	No	8,885	8,809	19.8 - 21.7%	21.2%	<19.5 or >23%
	LEL	No	8,885	0	0 - 0%	0%	10%
DustTrak 1	PM-2.5	Unhealthy for Sensitive Populations	26,752	26,752	6 - 97 µg/m ³	29.4 µg/m ³	See SOG #: T106

Location 2							
Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
Area Rae 2	VOC	No	29,191	12	0 - 5.1 ppm	0 ppm	1 ppm
	CO	No	9,761	6,300	0 - 6 ppm	0.8 ppm	83 ppm
	H ₂ S	No	29,153	0	0 - 0 ppm	0 ppm	0.5 ppm
	O ₂	No	9,761	9,678	20.3 - 21.4%	20.7%	<19.5 or >23%
	LEL	No	9,761	0	0 - 0 %	0%	10%
DustTrak 2	PM-2.5	Moderate	28,215	28,212	0 - 245 µg/m ³	40.3 µg/m ³	See SOG #: T106

Location 3							
Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
Area Rae 3	VOC	No	27,708	36	0 - 0.3 ppm	0 ppm	1 ppm
	CO	No	9,254	7,921	0 - 15.2 ppm	1.1 ppm	83 ppm
	H ₂ S	No	27,656	7,912	0 - 0.2 ppm	0 ppm	0.5 ppm
	O ₂	No	9,254	9,167	21.3 - 22.1%	21.6%	<19.5 or >23%
	LEL	No	9,254	0	0 - 0%	0%	10%
DustTrak 3	PM-2.5	Good	38,154	38,151	0 - 180 µg/m ³	18.1 µg/m ³	See SOG #: T106

Notes:

% Percent

< Less than

> Greater than

AEGL Acute Exposure Guideline levels for airborne chemicals

CO Carbon monoxide

H₂S Hydrogen Sulfide

LEL Lower Explosive Level

min Minute

O₂ Oxygen

PEL Permissible exposure limit

ppm Part per million

PM Particulate matter

SOG Standard Operating Guidelines

TLV Threshold limit value

µg/m³ Micrograms per cubic meter

VOC Volatile organic compound