

Air Monitoring Summary Tables

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



Project Name: Industrial Plastic Co Fire

Date: December 19, 2013

Time: 6:00 AM - 1:00 PM

Facility					
Instrument	Analyte	PEL Exceedances	Concentration Range	Period TWA	Action Level (PEL/TVLs)
AreaRae	VOCs	No	0 - 0.3 ppm	0.18	5 ppm
	CO	No	0 ppm	0	35 ppm
	Cl ₂	Yes	0.3 - 0.7 ppm	0.51	0.5 ppm
	O ₂	No	20.9%	20.9%	<19.5% or >23%
	LEL	No	0%	0%	10%
SPM	Phosgene	No	0 - 65.6 ppb	8.6 ppb	100 ppb
Data Ram	PM-10	No	3.7 - 4482.6 ug/m ³	270.6 ug/m ³	5000 ug/m ³

Water Tower (6701 Pilot Drive)					
Instrument	Analyte	8-hour TWA Exceedances	Concentration Range	Period TWA	Action Level (AEGL-1 or 2)
Area Rae	VOCs	No	0 - 0.4 ppm	0.0 ppm	1 ppm
	CO	No	0 - 22 ppm	1.4 ppm	27 ppm
	Cl ₂	No	0 - 0.3 ppm	0.0 ppm	0.5 ppm
	O ₂	No	20.5 - 20.9%	20.8%	<19.5% or >23%
	LEL	No	0%	0%	0%
Data Ram	PM-10	Yes, Unhealthy	7.1 - 307.3 ug/m ³	121.5 ug/m ³	See Fact Sheet

Downwind Mobile (North of the Facility)					
Instrument	Analyte	8-hour TWA Exceedances	Concentration Range	Period TWA	Action Level (AEGL-1 or 2)
AreaRae	VOC	No	0 - 0.5 ppm	0.0 ppm	1 ppm
	CO	No	0 - 18.7 ppm	0.1 ppm	27 ppm
	CL ₂	No	0 - 1.1 ppm	0.1 ppm	0.5 ppm
	O ₂	No	20.2 - 21.3%	20.8%	<19.5% or >23%
	LEL	See Comment ^a	0 - 3.1% ^a	1.5% ^a	0%
Data Ram	PM-10	Yes, moderate	12 - 203.1 ug/m ³	37 ug/m ³	See Fact Sheet

Community Surrounding Facility				
Instrument	Analyte	8-hour TWA Exceedances	Instantaneous Concentration Range	Action Level (AEGL-1 or 2)
AreaRae	VOC	See Comment ^b	1.0 - 1.6 ppm ^b	1 ppm
	CO	No	0 - 1 ppm	27 ppm
	CL ₂	No	0.0 - 0.3 ppm	0.5 ppm
	O ₂	No	20.90%	<19.5 or >23%
	LEL	No	0%	0%
Data Ram	PM-10	Yes, Moderate	9.3 - 45 ug/m ³	See fact Sheet
SPM	HCL	No	0.0 ppm	1.8 ppm

Notes:

- a Instrument malfunction during last 7 mins of the period. LEL readings were otherwise 0%.
- b Background sensor drift contributed factor
- < Less than
- % Percent
- CL₂ Chlorine
- HCL Hydrochloric acid
- LEL Lower explosive limit
- O₂ Oxygen
- PM-10 Particulate matter with an average diameter less than 10 microns
- ppm Parts per million
- ug/m³ micrograms per cubic meter
- SPM Single point monitor
- VOC Volatile organic compounds

