

# Air Monitoring Summary Tables

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

**Project Name: Weaver Fertilizer Fire**

**From: 2/2/2022  
12:00 AM**

**To: 2/2/2022  
6:30 AM**



Location 1: Wake Forest University Police Station							
Instrument	Analyte	Exceednances?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level
SPM Flex 119	NO <sub>2</sub>	No	5,854	5,496	0 to 0.12 ppm	0.044 ppm	0.5 ppm
SPM Flex 204	NH <sub>3</sub>	No	5,879	4,758	0 to 0.58 ppm	0.026 ppm	30 ppm
DustTrak 167	PM-2.5	Yes	7,148	7,148	29 to 9,200 µg/m3	1,750 µg/m3	51 µg/m3

Location 2: North Hills Elementary							
Instrument	Analyte	Exceednances?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level
SPM Flex 036	NO <sub>2</sub>	No	5,172	4,074	0 to 0.06 ppm	0.036 ppm	0.5 ppm
SPM Flex 161	NH <sub>3</sub>	No	5,170	3,513	0 to 0.51 ppm	0.055 ppm	30 ppm
DustTrak 171	PM-2.5	No	270	270	30 to 48 µg/m3	35 µg/m3	51 µg/m3

Location 3: Urgent Care (7811 North Point Blvd)							
Instrument	Analyte	Exceednances?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level
SPM Flex 125	NO <sub>2</sub>	No	5,031	4,795	0 to 0.06 ppm	0.041 ppm	0.5 ppm
SPM Flex 159	NH <sub>3</sub>	No	4,877	768	0 to 0.32 ppm	0.007 ppm	30 ppm

Location 4: Cook's Flea Market							
Instrument	Analyte	Exceednances?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level
SPM Flex 158	NH <sub>3</sub>	No	408	17	0 to 0.48 ppm	0.0034 ppm	30 ppm
DustTrak 172	PM-2.5	Yes	316	316	31 to 54 µg/m3	37 µg/m3	51 µg/m3

Roving Monitor							
Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level
MultiRAE PRO	VOC	No	14	0	0 ppm	0 ppm	1 ppm
	CO	No	14	0	0 ppm	0 ppm	83 ppm
	H <sub>2</sub> S	No	14	0	0 ppm	0 ppm	0.51 ppm
	O <sub>2</sub>	No	14	14	20.7 to 20.9 %	20.90%	<19.5 or >23 %
	LEL	No	14	0	0 ppm	0 ppm	10 %
	NH <sub>3</sub>	No	14	4	0 to 1 ppm	0.29 ppm	30 ppm
	NO <sub>2</sub>	No	14	13	0 to 0.3 ppm	0.18 ppm	0.5 ppm

Notes:

mg/m3 milligrams per cubic meter  
 NH<sub>3</sub> Ammonia  
 NO<sub>2</sub> Nitrogen dioxide  
 ppm Parts per million  
 PM Particulate matter  
 SPM Single Point Monitor

**UPDATE 2/4/2022 10:30AM** - The values for DustTrak instruments in this report have been converted from the units of milligrams per cubic meter of air (mg/m3) to micrograms per cubic meter of air (µg/m3) in order to provide consistency accross data summary reports for the project and for faster referencing with the Particulate Matter (PM2.5) Community Action Threshold table

# (.167) DustTrak – DustTrak Wake Forest Campus





