

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 ₂	No	5,854	5,496	0 to 0.12 ppm	0.044 ppm	0.5 ppm
SPM Flex 204	NH ₃	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	0.029 to 9.2 mg/m3	1.75 mg/m3	0.051 mg/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 ₂	No	5,172	4,074	0 to 0.06 ppm	0.036 ppm	0.5 ppm
SPM Flex 161	NH ₃	No	5,170	3,513	0 to 0.51 ppm	0.055 ppm	30 ppm
DustTrak 171	PM-2.5	No	270	270	0.03 to 0.048 mg/m3	0.035 mg/m3	0.051 mg/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 ₂	No	5,031	4,795	0 to 0.06 ppm	0.041 ppm	0.5 ppm
SPM Flex 159	NH ₃	No	4,877	768	0 to 0.32 ppm	0.007 ppm	30 ppm

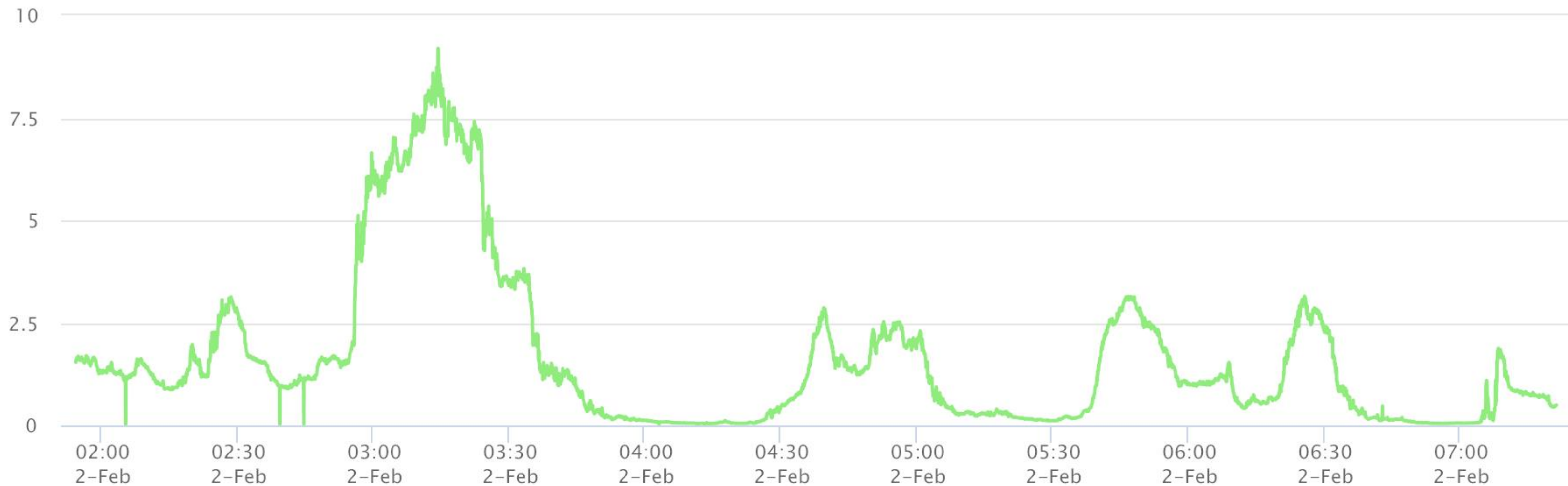
Location 4: Cook's Flea Market							
Instrument	Analyte	Exceednances?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level
SPM Flex 158	NH ₃	No	408	17	0 to 0.48 ppm	0.0034 ppm	30 ppm
DustTrak 172	PM-2.5	Yes	316	316	0.031 to 0.054 mg/m3	0.037 mg/m3	0.051 mg/m3

Roving Monitor							
Instrument	Analyte	Period Average Exceednances	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 ₂ S	No	14	0	0 ppm	0 ppm	0.51 ppm
	O ₂	No	14	14	20.7 to 20.9 %	20.90%	<19.5 or >23 %
	LEL	No	14	0	0 ppm	0 ppm	10 %
	NH ₃	No	14	4	0 to 1 ppm	0.29 ppm	30 ppm
	NO ₂	No	14	13	0 to 0.3 ppm	0.18 ppm	0.5 ppm

Notes:

mg/m3 milligrams per cubic meter
 NH₃ Ammonia
 NO₂ Nitrogen dioxide
 ppm Parts per million
 PM Particulate matter
 SPM Single Point Monitor

(.167) DustTrak – DustTrak Wake Forest Campus



PM1 (mg/m³) PM2.5 (mg/m³) RESP (mg/m³) PM10 (mg/m³) Total (mg/m³) PM1 TWA (twa)
PM2.5 TWA (twa) RESP TWA (twa) PM10 TWA (twa) total TWA (twa)

