

Air Monitoring Summary Tables

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

Project Name: Weaver Fertilizer Plant Fire

**From: 2/2/2022
6:00 AM**

**To: 2/2/2022
6:00 PM**



Location 1: Wake Forest University Police Station							
Instrument	Analyte	Exceedances?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level
SPM Flex 119	NO ₂	No	7,079	7,079	0.020 to 0.140 ppm	0.066 ppm	0.500 ppm
SPM Flex 204	NH ₃	No	7,121	3,665	0 to 0.520 ppm	0.021 ppm	30 ppm
DustTrak 167	PM-2.5	Yes	9,413	9,413	26 to 3,340 µg/m3	550 µg/m3	51 µg/m3

Location 2: North Hills Elementary							
Instrument	Analyte	Exceedances?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level
SPM Flex 036	NO ₂	No	13,202	13,202	0.030 to 0.080 ppm	0.064 ppm	0.500 ppm
SPM Flex 161	NH ₃	No	13,197	2,328	0 to 0.510 ppm	0.016 ppm	30 ppm
DustTrak 171	PM-2.5	Yes	736	736	24 to 164 µg/m3	35 µg/m3	51 µg/m3

Location 3: Urgent Care (7811 North Point Blvd)							
Instrument	Analyte	Exceedances?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level
SPM Flex 125	NO ₂	No	7,811	7,619	0 to 0.070 ppm	0.058 ppm	0.500 ppm
SPM Flex 159	NH ₃	No	11,457	840	0 to 0.320 ppm	0.004 ppm	30 ppm

Location 4: Cook's Flea Market							
Instrument	Analyte	Exceedances?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level
SPM Flex 158	NH ₃	No	6,544	51	0 to 0.320 ppm	0.0001 ppm	30 ppm
DustTrak 172	PM-2.5	Yes	751	751	19 to 93 µg/m3	35 µg/m3	51 µg/m3

Roving Monitor							
Instrument	Analyte	Exceedances?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level
SPM Flex 150	NO ₂	No	7	0	0 ppm	N/A	30 ppm
DustTrak	PM-2.5	Yes	8	8	20 to 720 µg/m3	N/A	51 µg/m3

Notes:

mg/m3 milligrams per cubic meter
 NH₃ Ammonia
 NO₂ Nitrogen dioxide
 N/A Not Applicable
 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 across data summary reports for the project and for faster referencing with the Particulate Matter (PM2.5) Community Action Threshold table

The monitoring station located at the Wake Forest University Police Station was offline and did not record data from approximately 10:22 AM to 3:00 PM due to an equipment malfunction.