

TABLE 1 - AIR MONITORING SUMMARY
Rockton Chemtool Fire
Rockton, Winnebago County, Illinois

Air Monitoring Summary Tables

The tables below summarize preliminary air monitoring data collected using EPA AreaRAE Pro and DustTrak DRX instruments.

Project Name: Rockton Chemtool Fire ER
Date/Time: 06/15/21 17:10 to 06/16/21 05:03
Weather
Temperature: 59°, high of 84°
Wind Speed: 4 - 13 miles per hour
Wind Direction: North
Conditions: Clear

Station 1: Roscoe Middle School						
Instrument	Analyte	Chemtool Public Health Screening Level ¹	Public Health Screening Level Exceeded?	Number of 1-Hour Periods	1-Hour Period Concentration Range	Average of All 1-Hour Periods
DustTrak 206	PM _{2.5} (mg/m ³)	0.025 mg/m ³	No	12	0.007 to 0.012	0.009
	PM ₁₀ (mg/m ³)	0.05 mg/m ³	No	12	0.008 to 0.013	0.010
AreaRAE 2 (S/N: W01A00000641)	VOC (ppm)	1 ppm	No	12	0.1 to 0.6	0.5
	CO (ppm)	--	No	12	0.0 to 0.0	0.0
	O ₂ (%)	--	No	12	21.3 to 21.6	21.5
	H ₂ S (ppm)	0.1 mg/m ³	No	12	0.0 to 0.0	0.0

Station 4: Corner of Union and Ferry (NET1-U)						
Instrument	Analyte	Chemtool Public Health Screening Level ¹	Public Health Screening Level Exceeded?	Number of 1-Hour Periods	1-Hour Period Concentration Range	Average of All 1-Hour Periods
DustTrak 200	PM _{2.5} (mg/m ³)	0.025 mg/m ³	No	4	0.002 to 0.003	0.002
	PM ₁₀ (mg/m ³)	0.05 mg/m ³	No	4	0.002 to 0.003	0.002
AreaRAE 2 (S/N: W01A00002172)	VOC (ppm)	1 ppm	No	4	0.0 to 0.1	0.0
	CO (ppm)	--	No	4	0.0 to 0.0	0.0
	O ₂ (%)	--	No	4	19.7 to 21.0	20.2
	H ₂ S (ppm)	0.1 mg/m ³	No	4	0.0 to 0.0	0.0

Station 5: Stand alone area near stop sign on Chapel and Bridge St (NET1-ARP)						
Instrument	Analyte	Chemtool Public Health Screening Level ¹	Public Health Screening Level Exceeded?	Number of 1-Hour Periods	1-Hour Period Concentration Range	Average of All 1-Hour Periods
AreaRae 1 (S/N: W01A00000640)	VOC (ppm)	1 ppm	No	9	0.0 to 0.0	0.0
	CO (ppm)	--	No	9	0.0 to 0.4	0.1
	O ₂ (%)	--	No	9	19.9 to 20.9	20.3
	H ₂ S (ppm)	0.1 mg/m ³	No	9	0.0 to 0.0	0.0

Station 6: Corner of Union and Ferry (NET1-D)						
Instrument	Analyte	Chemtool Public Health Screening Level ¹	Public Health Screening Level Exceeded?	Number of 1-Hour Periods	1-Hour Period Concentration Range	Average of All 1-Hour Periods
DustTrak 212	PM _{2.5} (mg/m ³)	0.025 mg/m ³	Yes (2)	7	0.00 to 0.09	0.03
	PM ₁₀ (mg/m ³)	0.05 mg/m ³	Yes (2)	7	0.00 to 0.09	0.03
AreaRAE 3 (S/N: W01A00000643)	VOC (ppm)	1 ppm	No	12	0.0 to 0.0	0.0
	CO (ppm)	--	No	12	1.0 to 2.0	1.1
	O ₂ (%)	--	No	12	0.0 to 0.0	0.0
	H ₂ S (ppm)	0.1 mg/m ³	No	12	0.0 to 0.0	0.0

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Station 7: Trading Post Trail and Indian Trail (NET2-D)						
Instrument	Analyte	Chemtool Public Health Screening Level ¹	Public Health Screening Level Exceeded?	Number of 1-Hour Periods	1-Hour Period Concentration Range	Average of All 1-Hour Periods
DustTrak 205	PM _{2.5} (mg/m ³)	0.025 mg/m ³	Yes (2)	7	0.004 to 0.068	0.02
	PM ₁₀ (mg/m ³)	0.05 mg/m ³	Yes (2)	7	0.00 to 0.07	0.02
AreaRAE 2 (S/N: W01A00002168)	VOC (ppm)	1 ppm	No	8	0.0 to 0.0	0.0
	CO (ppm)	--	No	8	0.0 to 0.2	0.0
	O ₂ (%)	--	No	8	19.4 to 20.9	20.0
	H ₂ S (ppm)	0.1 mg/m ³	No	8	0.0 to 0.0	0.0

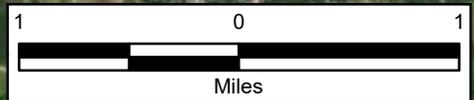
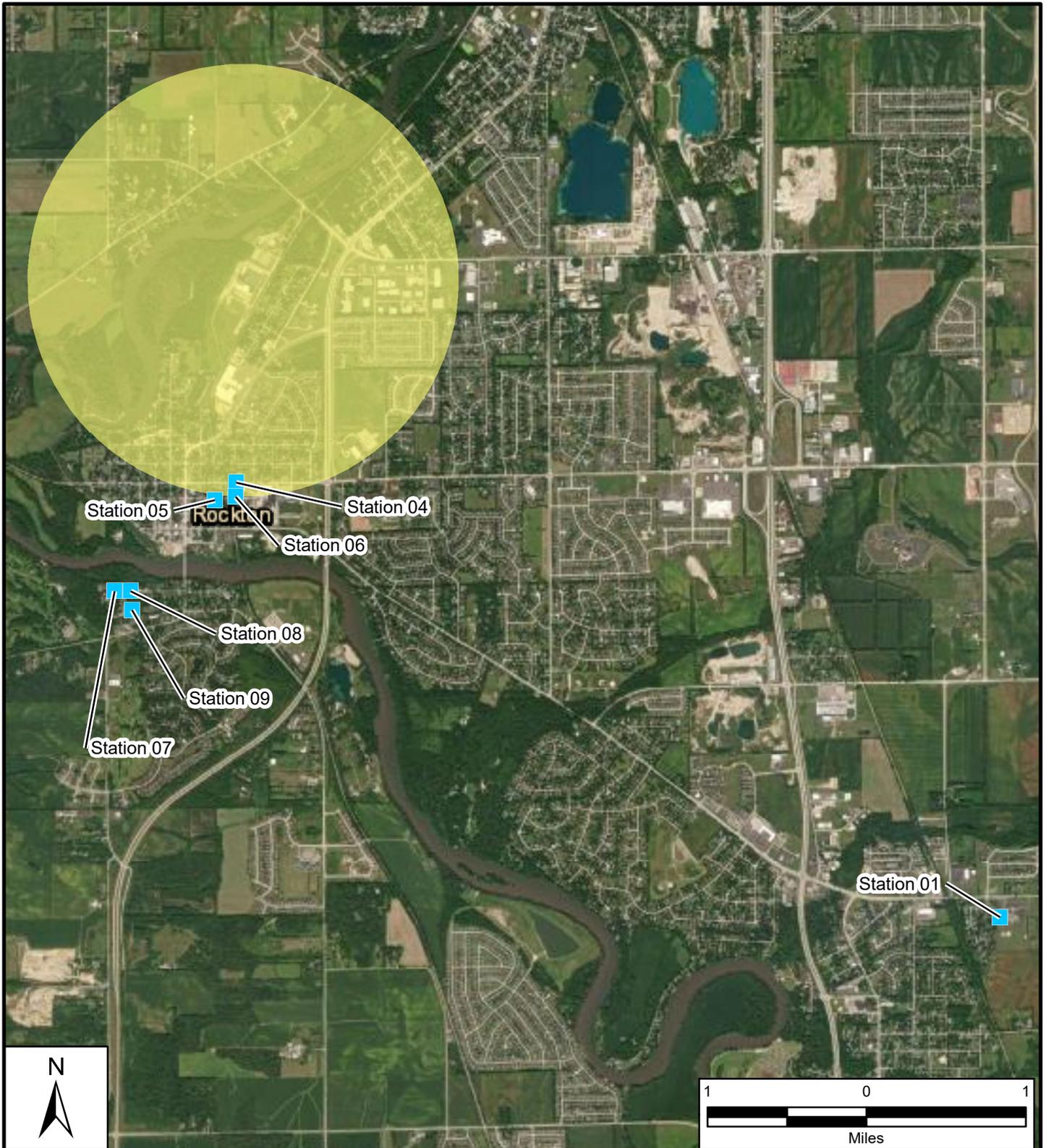
Station 8: Corner of School and River Street (NET2-U)						
Instrument	Analyte	Chemtool Public Health Screening Level ¹	Public Health Screening Level Exceeded?	Number of 1-Hour Periods	1-Hour Period Concentration Range	Average of All 1-Hour Periods
DustTrak 203	PM _{2.5} (mg/m ³)	0.025 mg/m ³	Yes (1)	4	0.00 to 0.07	0.03
	PM ₁₀ (mg/m ³)	0.05 mg/m ³	Yes (1)	4	0.00 to 0.07	0.03
AreaRae 1 (S/N: W01A00002169)	VOC (ppm)	1 ppm	No	7	0.0 to 0.0	0.0
	CO (ppm)	--	No	7	0.0 to 0.0	0.0
	O ₂ (%)	--	No	7	20.9 to 21.4	21.1
	H ₂ S (ppm)	0.1 mg/m ³	No	7	0.0 to 0.0	0.0

Station 9: Uphill on School St (NET2-ARP)						
Instrument	Analyte	Chemtool Public Health Screening Level ¹	Public Health Screening Level Exceeded?	Number of 1-Hour Periods	1-Hour Period Concentration Range	Average of All 1-Hour Periods
AreaRAE 3 (S/N: W01A00002170)	VOC (ppm)	1 ppm	No	8	0.0 to 0.0	0.0
	CO (ppm)	--	No	8	0.0 to 0.0	0.0
	O ₂ (%)	--	No	8	19.4 to 21.0	20.2
	H ₂ S (ppm)	0.1 mg/m ³	No	8	0.0 to 0.0	0.0

Comments						
Air monitoring measurements have been averaged over a 1-hour time period and summarized above.						
Start and stop times for each air monitoring instrument varies. The monitoring period is based on the earliest start time and latest stop time out of all units.						
1 - Chemtool Public Health Screening Levels are based on 1-hour time-weighted averages; and were established by ATSDR						

Notes:

- CO - Carbon Monoxide
- H₂S - Hydrogen Sulfide
- O₂ - Oxygen
- ppm - Parts per million
- VOC - Volatile organic compounds



Site Location

Legend

- EPA Air Monitoring Station
- 1 Mile Evacuation Radius

Note: Monitoring station locations subject to change based on weather and operational objectives

Source: Esri 2020

Rockton Chemtool Fire ER
Rockton, IL

Figure 1
Air Monitoring Stations
06/15/2021 1700 - 06/16/2021 0500



Prepared For: USEPA

Prepared By: Tetra Tech Inc.