

Table 1  
Community Continuous Air Monitoring Results  
East Palestine Derailment Site  
East Palestine, Columbiana County, Ohio

**Monitoring Period: 03/04/2023 00:01 to 03/05/2023 11:56**

<b>Air Monitoring Instrument: Serial Number</b>	<b>Analyte</b>	<b>Screening Level<sup>1</sup></b>	<b>Screening Level Exceeded?</b>	<b>8-hour Period Concentration Range</b>	<b>Average of All 8-hour Periods</b>
<b>8533230504</b>	PM <sub>2.5</sub> (mg/m <sup>3</sup> )	0.035 mg/m <sup>3</sup>	Yes	0.009 to 0.094	0.042
	PM <sub>10</sub> (mg/m <sup>3</sup> )	0.035 mg/m <sup>3</sup>	Yes	0.012 to 0.096	0.047
<b>W01A00001706</b>	VOC (ppm)	0.5 ppm	No	0.00 to 0.00	0.00
	CO (ppm)	9 ppm	No	0.00 to 0.00	0.00
	H <sub>2</sub> S (ppm)	0.1 ppm	No	0.0 to 0.0	0.0
<b>W01A00001710</b>	VOC (ppm)	0.5 ppm	No	0.00 to 0.12	0.01
	CO (ppm)	9 ppm	No	0.00 to 0.00	0.00
	LEL (%)	> 5%	No	0.0 to 0.0	0.0
<b>W01B00002162</b>	VOC (ppm)	0.5 ppm	No	0.00 to 0.00	0.00
	CO (ppm)	9 ppm	No	0.00 to 0.00	0.00
	H <sub>2</sub> S (ppm)	0.1 ppm	No	0.0 to 0.0	0.0
	LEL (%)	> 5%	No	0.0 to 0.0	0.0
<b>W01B00002164</b>	VOC (ppm)	0.5 ppm	No	0.00 to 0.00	0.00
	CO (ppm)	9 ppm	No	0.00 to 0.00	0.00
	H <sub>2</sub> S (ppm)	0.1 ppm	No	0.0 to 0.0	0.0
	LEL (%)	> 5%	No	0.0 to 0.0	0.0
<b>W01B00002170</b>	VOC (ppm)	0.5 ppm	No	0.00 to 0.00	0.00
	CO (ppm)	9 ppm	No	0.0 to 0.04	0.02
	H <sub>2</sub> S (ppm)	0.1 ppm	No	0.0 to 0.0	0.0
	HCN (ppm)	1 ppm	No	0.0 to 0.0	0.0
	LEL (%)	> 5%	No	0.0 to 0.1	0.0
<b>W01B00002172</b>	VOC (ppm)	0.5 ppm	No	0.00 to 0.00	0.00
	CO (ppm)	9 ppm	No	0.00 to 0.00	0.00
	H <sub>2</sub> S (ppm)	0.1 ppm	No	0.0 to 0.0	0.0
	HCN (ppm)	1 ppm	No	0.0 to 0.0	0.0
	LEL (%)	> 5%	No	0.0 to 0.0	0.0
<b>W01B00002181</b>	VOC (ppm)	0.5 ppm	No	0.00 to 0.00	0.00
	CO (ppm)	9 ppm	No	0.00 to 0.00	0.00
	H <sub>2</sub> S (ppm)	0.1 ppm	No	0.0 to 0.0	0.0
	LEL (%)	> 5%	No	0.0 to 0.0	0.0
<b>W01B00002183</b>	VOC (ppm)	0.5 ppm	No	0.00 to 0.00	0.00
	CO (ppm)	9 ppm	No	0.00 to 0.00	0.00
	H <sub>2</sub> S (ppm)	0.1 ppm	No	0.0 to 0.0	0.0
	HCN (ppm)	1 ppm	No	0.0 to 0.0	0.0
	LEL (%)	> 5%	No	0.0 to 0.0	0.0
<b>W01B00002206</b>	VOC (ppm)	0.5 ppm	No	0.00 to 0.00	0.00
	CO (ppm)	9 ppm	No	0.00 to 0.00	0.00
	H <sub>2</sub> S (ppm)	0.1 ppm	No	0.0 to 0.0	0.0
	LEL (%)	> 5%	No	0.0 to 0.0	0.0
<b>W01B00002207</b>	VOC (ppm)	0.5 ppm	No	0.00 to 0.00	0.00
	CO (ppm)	9 ppm	No	0.00 to 0.00	0.00
	H <sub>2</sub> S (ppm)	0.1 ppm	No	0.0 to 0.0	0.0
	HCN (ppm)	1 ppm	No	0.0 to 0.0	0.0
	LEL (%)	> 5%	No	0.0 to 0.0	0.0
<b>W01B00002208</b>	VOC (ppm)	0.5 ppm	No	0.00 to 0.00	0.00
	CO (ppm)	9 ppm	No	0.00 to 0.00	0.00
	H <sub>2</sub> S (ppm)	0.1 ppm	No	0.0 to 0.0	0.0
	LEL (%)	> 5%	No	0.0 to 0.0	0.0

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Air Monitoring Instrument: Serial Number	Analyte	Screening Level <sup>1</sup>	Screening Level Exceeded?	8-hour Period Concentration Range	Average of All 8-hour Periods
<b>W01B00002220</b>	VOC (ppm)	0.5 ppm	No	0.00 to 0.02	0.01
	CO (ppm)	9 ppm	No	0.00 to 0.00	0.00
	H <sub>2</sub> S (ppm)	0.1 ppm	No	0.0 to 0.0	0.0
	LEL (%)	> 5%	No	0.0 to 0.0	0.0
<b>W01B00002221</b>	VOC (ppm)	0.5 ppm	No	0.00 to 0.00	0.00
	CO (ppm)	9 ppm	No	0.00 to 0.00	0.00
	H <sub>2</sub> S (ppm)	0.1 ppm	No	0.0 to 0.0	0.0
<b>W01B00002222</b>	VOC (ppm)	0.5 ppm	No	0.00 to 0.00	0.00
	CO (ppm)	9 ppm	No	0.00 to 0.00	0.00
	H <sub>2</sub> S (ppm)	0.1 ppm	No	0.0 to 0.0	0.0
	HCN (ppm)	1 ppm	No	0.0 to 0.0	0.0
	LEL (%)	> 5%	No	0.0 to 0.0	0.0
<b>W01B00002223</b>	VOC (ppm)	0.5 ppm	No	0.00 to 0.00	0.00
	CO (ppm)	9 ppm	No	0.00 to 0.00	0.00
	H <sub>2</sub> S (ppm)	0.1 ppm	No	0.0 to 0.0	0.0

**Notes:**

<sup>1</sup> Site-Specific Action Level stated in the Tetra Tech Air Monitoring and Sampling Plan.

Air monitoring measurements have been averaged over a 8-hour time period and summarized above.

Air monitoring is not performed during inclement weather conditions/rain and thunderstorms.

**Abbreviations:**

< - Less than

> - Greater than

% - Percent

CO - Carbon Monoxide

H<sub>2</sub>S - Hydrogen Sulfide

LEL - Lower Explosive Limit

mg/m<sup>3</sup> - milligrams per cubic meter

O<sub>2</sub> - Oxygen

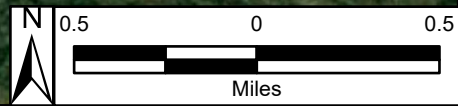
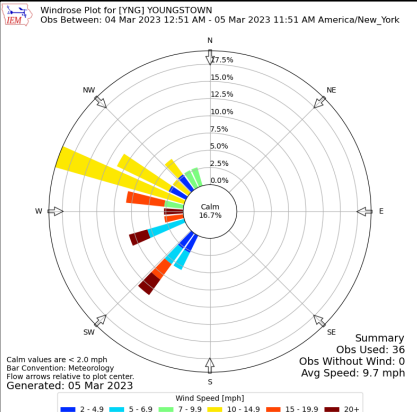
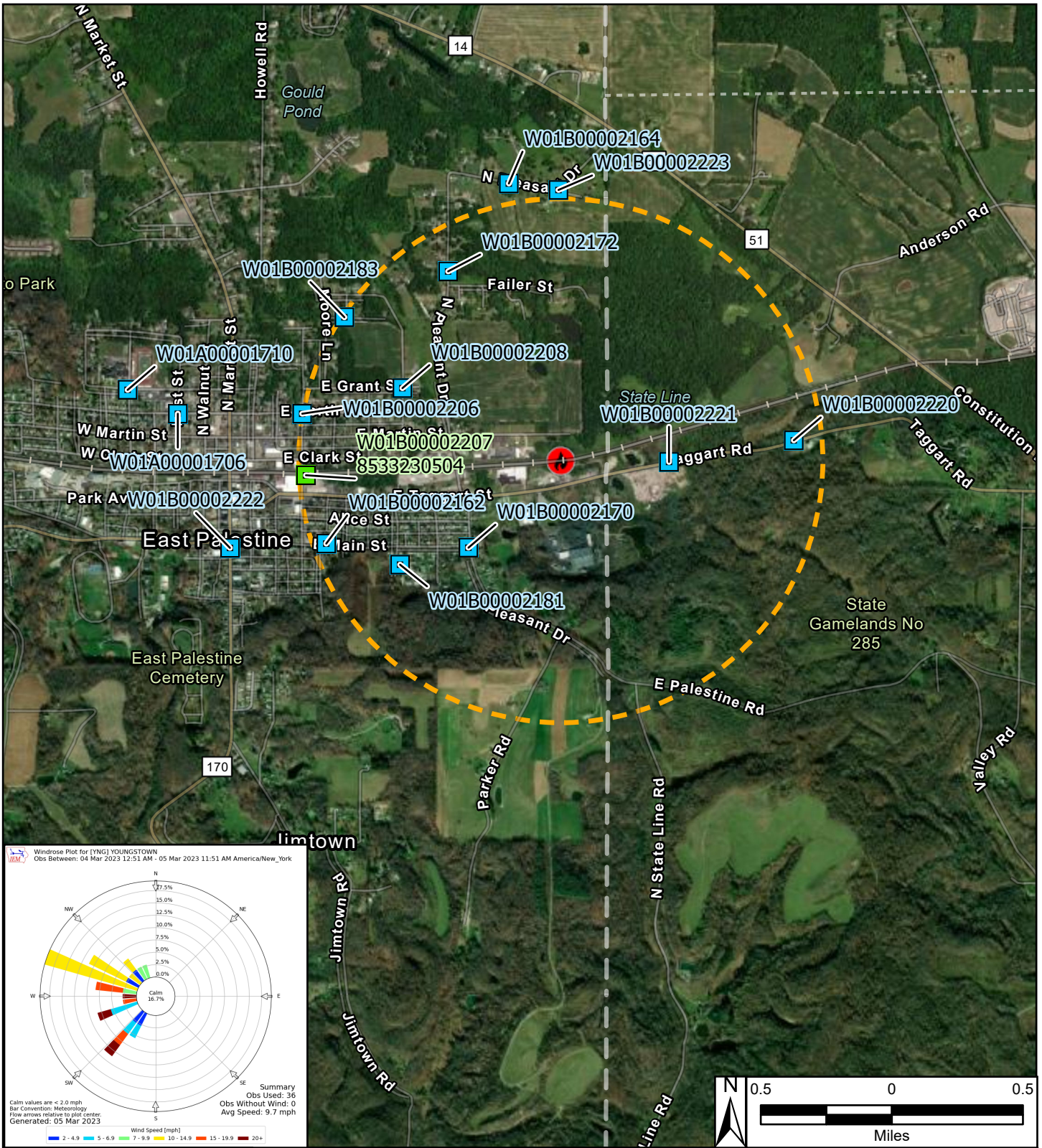
PM<sub>2.5</sub> - particles that are 2.5 micrometers and smaller

PM<sub>10</sub> - particles that are 10 micrometers and smaller

ppm - Parts per million

S/N - Serial number

VOC - Volatile organic compounds



**Reference Map**



**Legend**

- Continuous Air Monitoring Locations with DustTrak
- Continuous Air Monitoring Locations
- 🔥 Derailment Location
- ⬭ One Mile Radius

East Palestine Derailment ER Site  
 75 E Main St  
 East Palestine, Columbiana County, OH 44413

**Figure 1**  
**Continuous Air Monitoring Community Stations**



Prepared For: EPA

Prepared By: Tetra Tech Inc.