

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

**Monitoring Period: 03/02/2023 00:00 to 03/03/2023 10:56**

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>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	0.00
	LEL (%)	> 5%	No	0.0 to 0.0	0.0
<b>W01A00001710</b>	VOC (ppm)	0.5 ppm	No	0.00 to 0.01	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>W01B00002162</b>	VOC (ppm)	0.5 ppm	No	0.00 to 0.00	0.00
	CO (ppm)	9 ppm	No	0.00 to 0.01	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	0.00 to 0.01	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>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
<b>W01B00002208</b>	VOC (ppm)	0.5 ppm	No	0.00 to 0.00	0.00
	CO (ppm)	9 ppm	No	0.00 to 0.01	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>W01B00002220</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>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
	LEL (%)	> 5%	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
	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
	LEL (%)	> 5%	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.

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.

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

< - Less than

> - Greater than

% - Percent

CO - Carbon Monoxide

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

HCN - Hydrogen Cyanide

LEL - Lower Explosive Limit

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

O<sub>2</sub> - Oxygen

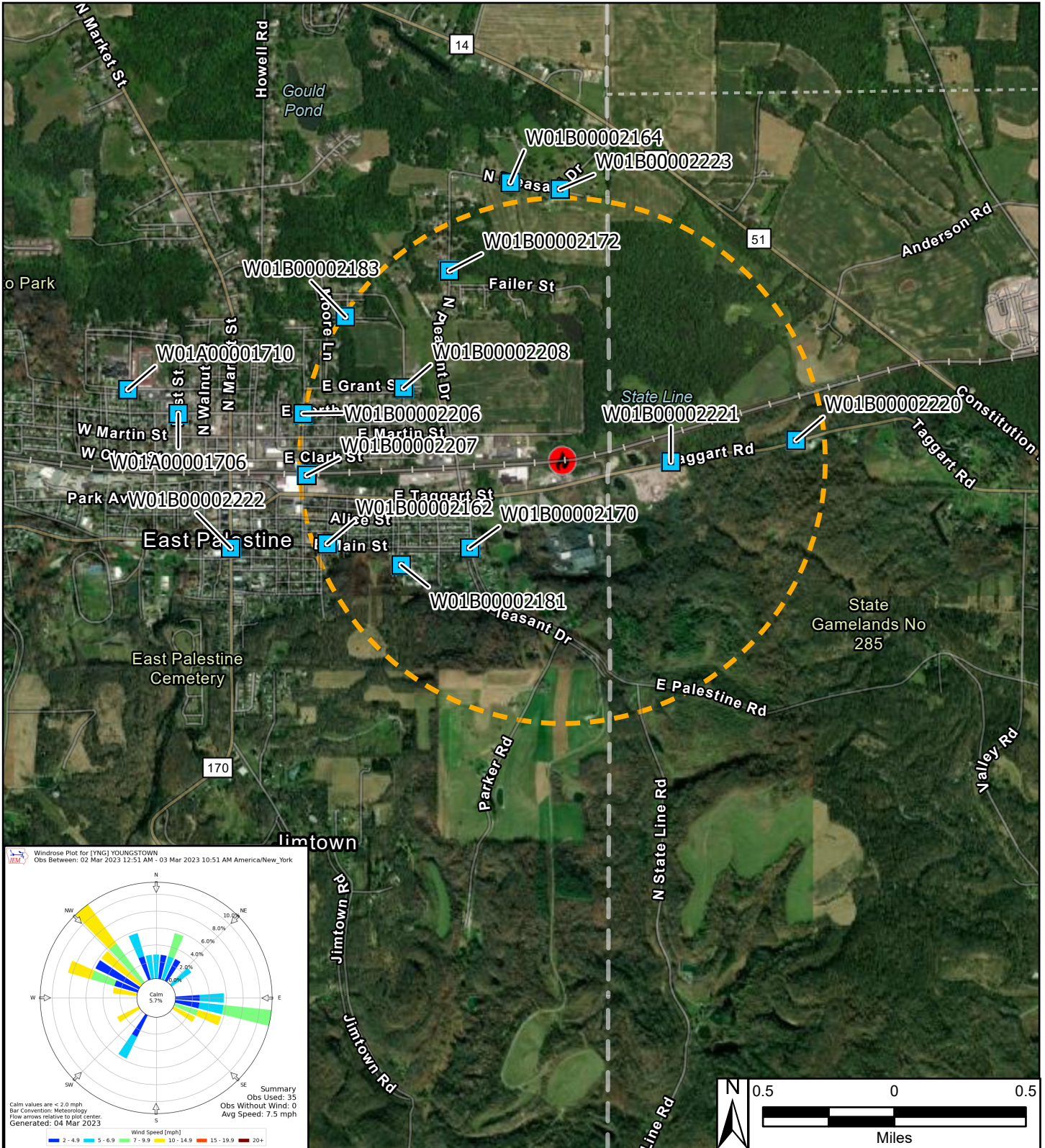
PM<sub>2.5</sub> - particles that are 2.5 micrometers and smaller

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
- 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.