

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

**Monitoring Period: 03/09/2023 00:00 through 03/10/2023 11:27**

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
8533230503	PM <sub>2.5</sub> (mg/m <sup>3</sup> )	0.035 mg/m <sup>3</sup>	No	0.009 to 0.019	0.013
	PM <sub>10</sub> (mg/m <sup>3</sup> )	0.035 mg/m <sup>3</sup>	No	0.012 to 0.03	0.021
8533230504	PM <sub>2.5</sub> (mg/m <sup>3</sup> )	0.035 mg/m <sup>3</sup>	No	0.001 to 0.028	0.01
	PM <sub>10</sub> (mg/m <sup>3</sup> )	0.035 mg/m <sup>3</sup>	No	0.003 to 0.029	0.012
8533230702	PM <sub>2.5</sub> (mg/m <sup>3</sup> )	0.035 mg/m <sup>3</sup>	No	0.005 to 0.031	0.014
	PM <sub>10</sub> (mg/m <sup>3</sup> )	0.035 mg/m <sup>3</sup>	No	0.011 to 0.034	0.021
W01A00002173	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	0.00 to 0.00	0.00
	LEL (%)	> 5%	No	0.00 to 0.00	0.00
W01A00002175	VOC (ppm)	0.5 ppm	No	0.00 to 0.01	0.00
	CO (ppm)	9 ppm	No	0.00 to 0.41	0.12
	H <sub>2</sub> S (ppm)	0.1 ppm	No	0.00 to 0.00	0.00
	LEL (%)	> 5%	No	0.00 to 0.00	0.00
W01A00002181	VOC (ppm)	0.5 ppm	No	0.00 to 0.00	0.00
	CO (ppm)	9 ppm	No	0.00 to 3.16	1.27
	H <sub>2</sub> S (ppm)	0.1 ppm	No	0.00 to 0.00	0.00
	LEL (%)	> 5%	No	0.00 to 0.00	0.00
W01A00002182	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	0.00 to 0.00	0.00
	LEL (%)	> 5%	No	0.00 to 0.00	0.00
W01A00002185	VOC (ppm)	0.5 ppm	No	0.00 to 0.00	0.00
	CO (ppm)	9 ppm	<b>Yes</b>	0.00 to 9.27	3.17
	H <sub>2</sub> S (ppm)	0.1 ppm	No	0.00 to 0.00	0.00
	LEL (%)	> 5%	No	0.00 to 0.00	0.00
W01B00002162	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	0.00 to 0.00	0.00
	LEL (%)	> 5%	No	0.00 to 0.00	0.00
W01B00002164	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	0.00 to 0.00	0.00
	LEL (%)	> 5%	No	0.00 to 0.00	0.00
W01B00002170	VOC (ppm)	0.5 ppm	No	0.00 to 0.0	0.00
	CO (ppm)	9 ppm	No	0.00 to 0.01	0.00
	H <sub>2</sub> S (ppm)	0.1 ppm	No	0.00 to 0.00	0.00
	LEL (%)	> 5%	No	0.00 to 0.00	0.00
	HCN (ppm)	1 ppm	No	0.00 to 0.00	0.00

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<b>W01B00002172</b>	VOC (ppm)	0.5 ppm	No	0.00 to 0.0	0.00
	CO (ppm)	9 ppm	No	0.00 to 0.02	0.00
	H <sub>2</sub> S (ppm)	0.1 ppm	No	0.00 to 0.00	0.00
	LEL (%)	> 5%	No	0.00 to 0.00	0.00
	HCN (ppm)	1 ppm	No	0.00 to 0.00	0.00
<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	0.00 to 0.00	0.00
	LEL (%)	> 5%	No	0.00 to 0.00	0.00
<b>W01B00002183</b>	VOC (ppm)	0.5 ppm	No	0.00 to 0.01	0.00
	CO (ppm)	9 ppm	No	0.00 to 0.0	0.00
	H <sub>2</sub> S (ppm)	0.1 ppm	No	0.00 to 0.00	0.00
	LEL (%)	> 5%	No	0.00 to 0.28	0.09
	HCN (ppm)	1 ppm	No	0.00 to 0.00	0.00
<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	0.00 to 0.00	0.00
	LEL (%)	> 5%	No	0.00 to 0.00	0.00
<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	0.00 to 0.00	0.00
	LEL (%)	> 5%	No	0.00 to 0.00	0.00
<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	0.00 to 0.00	0.00
	LEL (%)	> 5%	No	0.00 to 0.00	0.00
<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	0.00 to 0.00	0.00
<b>W01B00002222</b>	VOC (ppm)	0.5 ppm	No	0.00 to 0.04	0.01
	CO (ppm)	9 ppm	No	0.00 to 0.01	0.00
	H <sub>2</sub> S (ppm)	0.1 ppm	No	0.00 to 0.00	0.00
	LEL (%)	> 5%	No	0.00 to 0.00	0.00
	HCN (ppm)	1 ppm	No	0.00 to 0.00	0.00
<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	0.00 to 0.00	0.00

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**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

HCN - Hydrogen Cyanide

LEL - Lower Explosive Limit

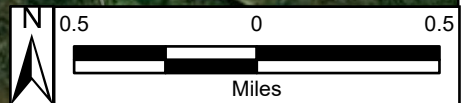
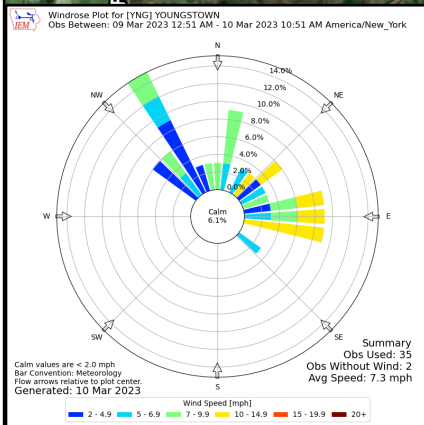
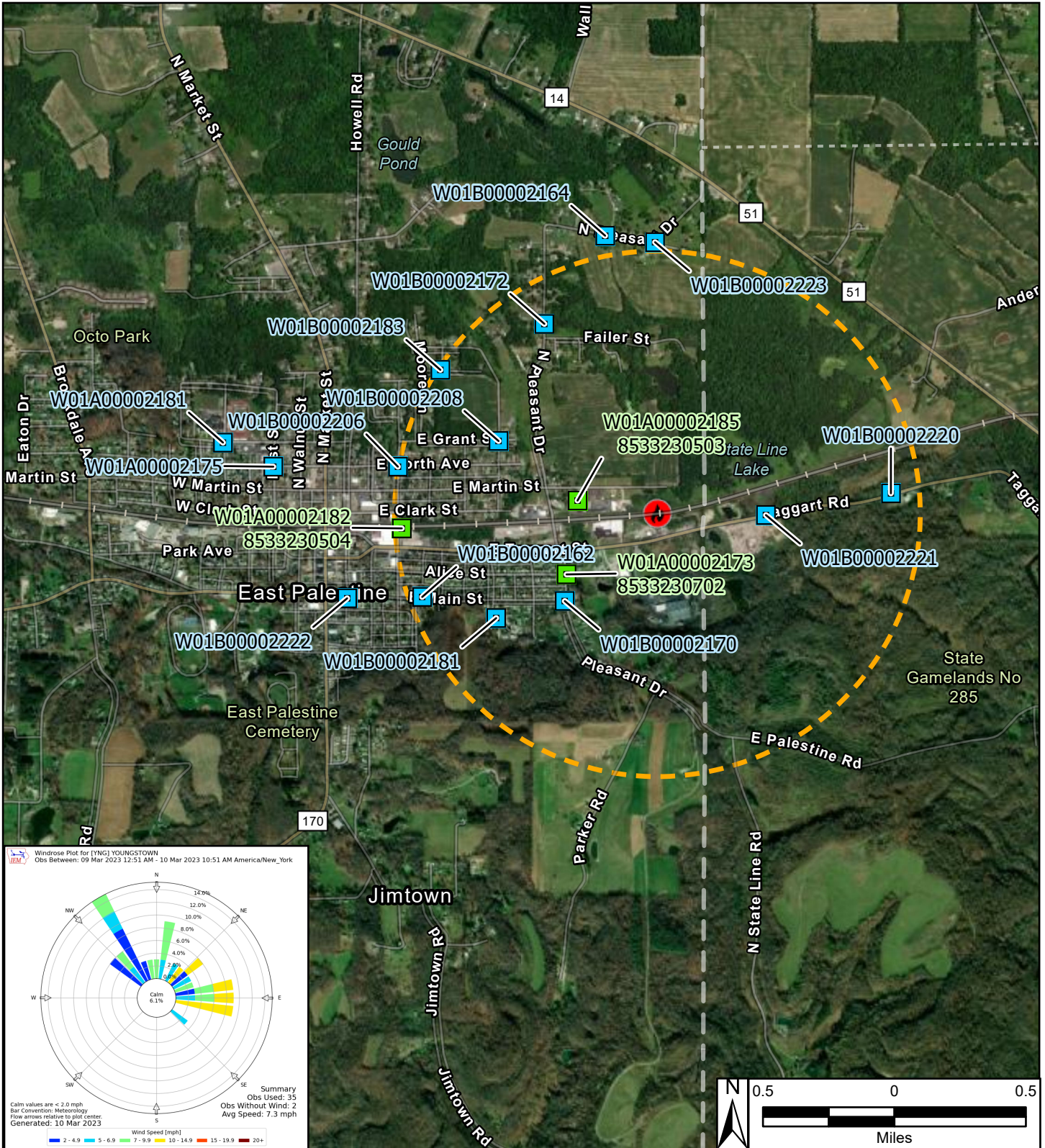
O<sub>2</sub> - Oxygen

ppm - Parts per million

S/N - Serial number

VOC - Volatile organic compound

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

East Palestine Derailment ER Site  
 East Palestine, Columbiana County, OH 44413

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

**TETRA TECH**

Prepared For: EPA      Prepared By: Tetra Tech Inc.