

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

**Monitoring Period: 02/15/2023 00:01 to 02/16/2023 07:27**

Air Monitoring Instrument: AreaRAE Pro Serial Number	Analyte	Screening Level <sup>1</sup>	Screening Level Exceeded?	8-hour Period Concentration Range	Average of All 8-hour Periods
W01A00000610	VOC (ppm)	0.5 ppm	No	0.00 to 0.00	0.0
	CO (ppm)	9 ppm	No	0.0 to 0.0	0.0
	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
W01A00001706	VOC (ppm)	0.5 ppm	No	0.00 to 0.00	0.0
	CO (ppm)	9 ppm	No	0.00 to 0.00	0.0
	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
W01A00001707	VOC (ppm)	0.5 ppm	No	0.00 to 0.17	0.1
	CO (ppm)	9 ppm	No	0.0 to 0.0	0.0
	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
W01A00001708	VOC (ppm)	0.5 ppm	No	0.00 to 0.31	0.1
	CO (ppm)	9 ppm	No	0.0 to 0.0	0.0
	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
W01A00001709	VOC (ppm)	0.5 ppm	No	0.00 to 0.00	0.0
	CO (ppm)	9 ppm	No	0.0 to 0.0	0.0
	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
W01A00001710	VOC (ppm)	0.5 ppm	No	0.05 to 0.30	0.2
	CO (ppm)	9 ppm	No	0.00 to 0.04	0.0
	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
W01A00001712	VOC (ppm)	0.5 ppm	No	0.00 to 0.00	0.0
	CO (ppm)	9 ppm	No	0.00 to 0.00	0.0
	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
W01A00001713	VOC (ppm)	0.5 ppm	No	0.00 to 0.07	0.0
	CO (ppm)	9 ppm	No	0.00 to 0.01	0.0
	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
W01A00002175	VOC (ppm)	0.5 ppm	No	0.00 to 0.03	0.0
	CO (ppm)	9 ppm	No	0.01 to 0.01	0.0
	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
W01A00002653	VOC (ppm)	0.5 ppm	No	0.00 to 0.00	0.0
	CO (ppm)	9 ppm	No	0.0 to 0.0	0.0
	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
W01A00002654	VOC (ppm)	0.5 ppm	No	0.00 to 0.00	0.0
	CO (ppm)	9 ppm	No	0.0 to 0.0	0.0
	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
W01A00002655	VOC (ppm)	0.5 ppm	No	0.00 to 0.00	0.0
	CO (ppm)	9 ppm	No	0.0 to 0.0	0.0
	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
	HCN (ppm)	1 ppm	No	0.0 to 0.0	0.0

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Air Monitoring Instrument: AreaRAE Pro Serial Number	Analyte	Screening Level <sup>1</sup>	Screening Level Exceeded?	8-hour Period Concentration Range	Average of All 8-hour Periods
<b>W01A00002656</b>	VOC (ppm)	0.5 ppm	No	0.00 to 0.00	0.0
	CO (ppm)	9 ppm	No	0.0 to 0.0	0.0
	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
	HCN (ppm)	1 ppm	No	0.0 to 0.0	0.0
<b>W01A00002928</b>	VOC (ppm)	0.5 ppm	No	0.00 to 0.00	0.0
	CO (ppm)	9 ppm	No	0.0 to 0.0	0.0
	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>W01A00002930</b>	VOC (ppm)	0.5 ppm	No	0.00 to 0.00	0.0
	CO (ppm)	9 ppm	No	0.0 to 0.0	0.0
	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.

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

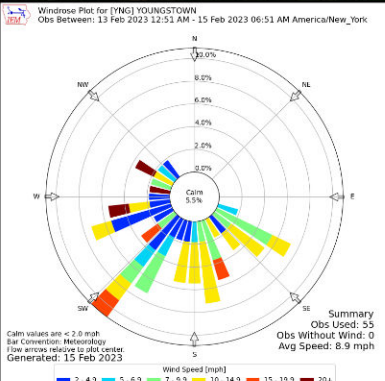
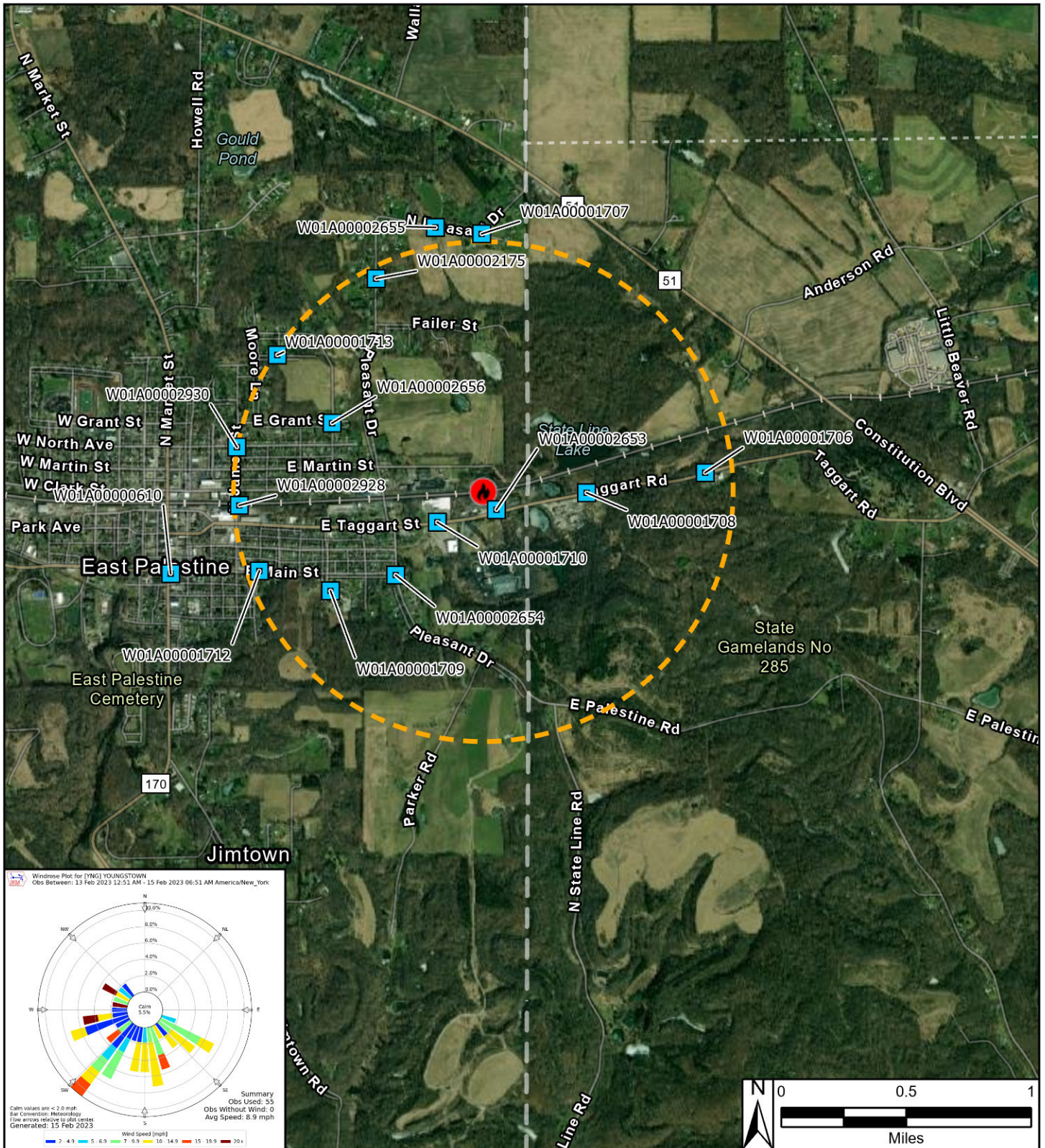
LEL - Lower Explosive Limit

O<sub>2</sub> - Oxygen

ppm - Parts per million

S/N - Serial number

VOC - Volatile organic compounds



**Legend**

- Continuous Air Monitoring Location
- 🔥 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 Stations**



Prepared For: EPA | Prepared By: Tetra Tech Inc.