

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

Monitoring Period: 02/23/2023 00:00 to 02/24/2023 11:48

Air Monitoring Instrument: AreaRAE Pro Serial Number	Analyte	Screening Level¹	Screening Level Exceeded?	8-hour Period Concentration Range	Average of All 8-hour Periods
W01A00000610	VOC (ppm)	0.5 ppm	No	0.00 to 0.03	0.0
	CO (ppm)	9 ppm	No	0.00 to 0.00	0.0
	H ₂ 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 0.01	0.0
	H ₂ 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 0.01	0.0
	CO (ppm)	9 ppm	No	0.00 to 0.01	0.0
	H ₂ 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 0.02	0.0
	CO (ppm)	9 ppm	No	0.00 to 0.00	0.0
	H ₂ 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	0.00 to 0.00	0.0
	H ₂ 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	0.00 to 0.00	0.0
	CO (ppm)	9 ppm	No	0.00 to 0.00	0.0
	H ₂ 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 ₂ 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 0.00	0.0
	CO (ppm)	9 ppm	No	0.00 to 0.00	0.0
	H ₂ 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 0.00	0.0
	CO (ppm)	9 ppm	No	0.00 to 0.00	0.0
	H ₂ 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	0.00 to 0.00	0.0
	H ₂ S (ppm)	0.1 ppm	No	0.0 to 0.0	0.0
W01A00002654	VOC (ppm)	0.5 ppm	No	0.00 to 0.08	0.0
	CO (ppm)	9 ppm	No	0.00 to 0.00	0.0
	H ₂ 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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W01A00002655	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 ₂ 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
W01A00002656	VOC (ppm)	0.5 ppm	No	0.00 to 0.01	0.0
	CO (ppm)	9 ppm	No	0.00 to 0.05	0.0
	H ₂ 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
W01A00002928	VOC (ppm)	0.5 ppm	No	0.00 to 0.00	0.0
	CO (ppm)	9 ppm	No	0.00 to 0.32	0.0
	H ₂ S (ppm)	0.1 ppm	No	0.0 to 0.0	0.0
	LEL (%)	> 5%	No	0.0 to 0.0	0.0
W01A00002930	VOC (ppm)	0.5 ppm	No	0.00 to 0.02	0.0
	CO (ppm)	9 ppm	No	0.00 to 0.00	0.0
	H ₂ S (ppm)	0.1 ppm	No	0.0 to 0.0	0.0
	LEL (%)	> 5%	No	0.0 to 0.0	0.0

Notes:

¹ 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

H₂S - Hydrogen Sulfide

HCN - Hydrogen Cyanide

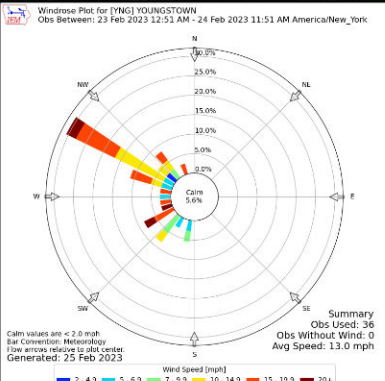
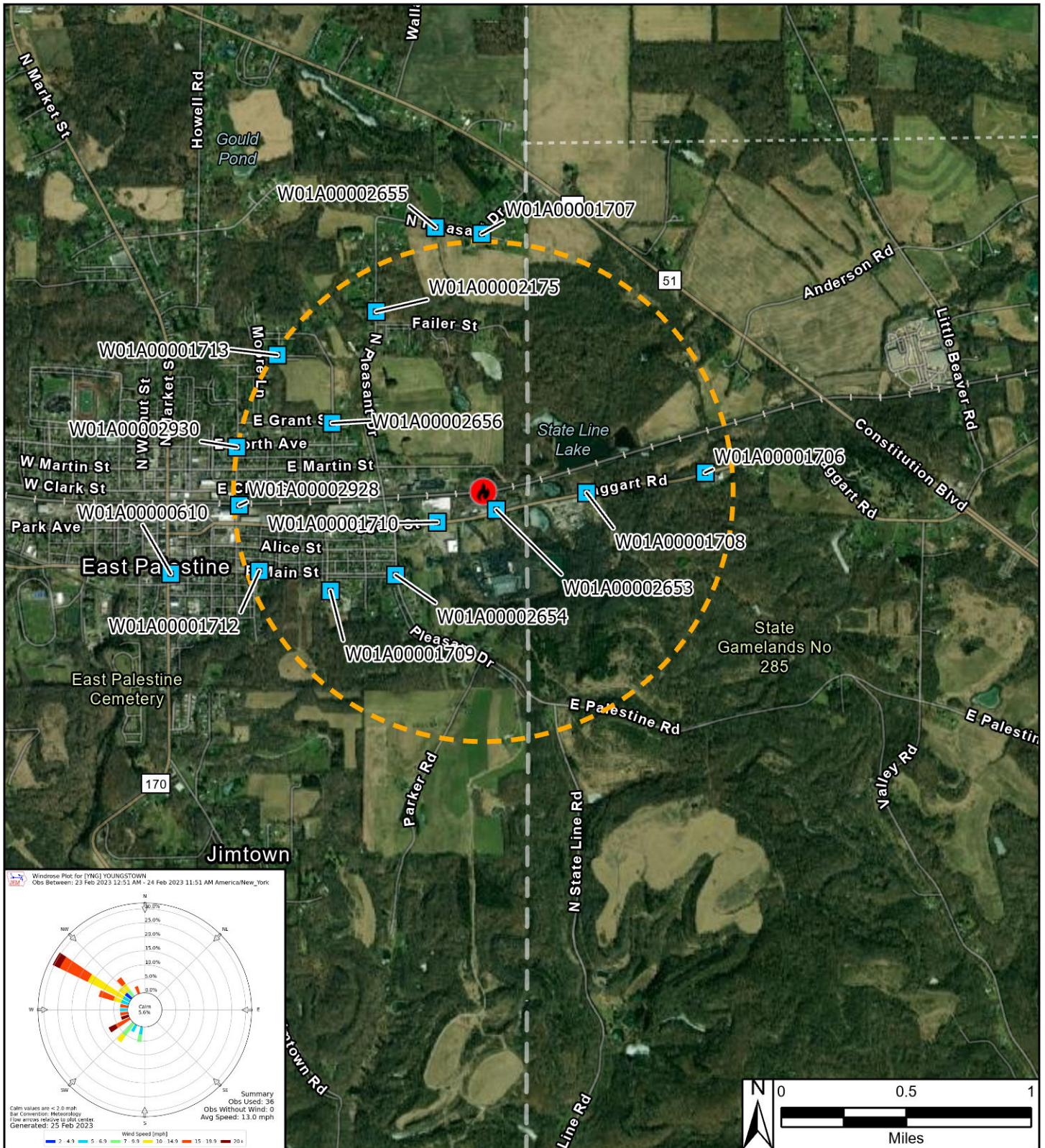
LEL - Lower Explosive Limit

O₂ - 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.