

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

Monitoring Period: 02/20/2023 02:16 to 02/21/2023 01:09

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 0.08	0.1
	CO (ppm)	9 ppm	No	0.0 to 0.0	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 0.03	0.0
	CO (ppm)	9 ppm	No	0.00 to 0.03	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 0.00	0.0
	CO (ppm)	9 ppm	No	0.0 to 0.0	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 0.05	0.0
	CO (ppm)	9 ppm	No	0.0 to 0.0	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	0.0 to 0.0	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	0.04 to 0.14	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 0.01	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
W01A00001713	VOC (ppm)	0.5 ppm	No	0.00 to 0.07	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	0.0 to 0.0	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 0.01	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
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 ₂ 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 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

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Air Monitoring Instrument: AreaRAE Pro Serial Number	Analyte	Screening Level ¹	Screening Level Exceeded?	8-hour Period Concentration Range	Average of All 8-hour Periods
W01A00002656	VOC (ppm)	0.5 ppm	No	0.00 to 0.00	0.0
	CO (ppm)	9 ppm	No	0.0 to 0.1	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	0.0 to 0.0	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 0.00	0.0
	CO (ppm)	9 ppm	No	0.0 to 0.0	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.

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

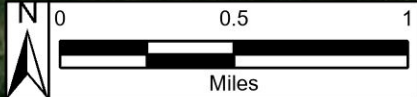
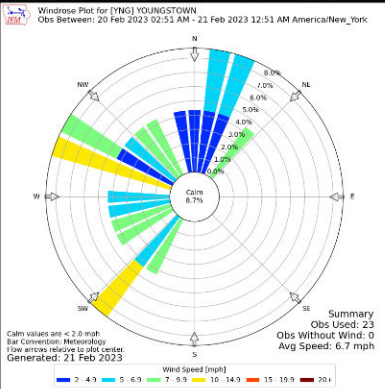
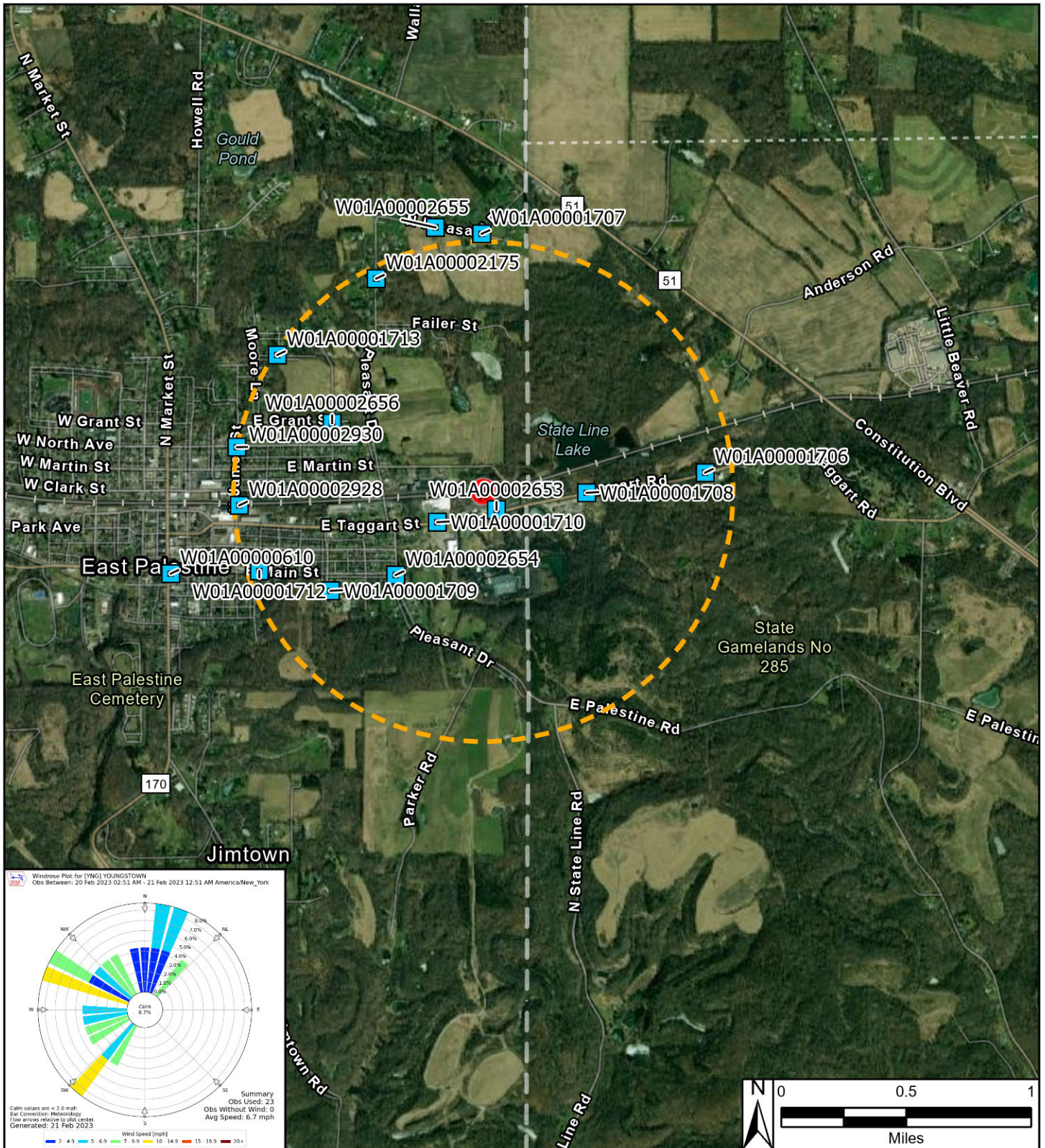
LEL - Lower Explosive Limit

O₂ - Oxygen

ppm - Parts per million

S/N - Serial number

VOC - Volatile organic compounds



Reference Map



Site Location

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.