

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

Monitoring Period: 03/03/2023 00:00 to 03/04/2023 13:06

Air Monitoring Instrument Serial Number	Analyte	Screening Level ¹	Screening Level Exceeded?	8-hour Period Concentration Range	Average of All 8-hour Periods
8533230504	PM _{2.5} (mg/m ³)	0.035 mg/m ³	No	0.025 to 0.025	0.025
	PM ₁₀ (mg/m ³)	0.035 mg/m ³	No	0.031 to 0.031	0.031
W01A00001706	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 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 0.06	0.01
	CO (ppm)	9 ppm	No	0.00 to 0.00	0.00
	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
W01B00002162	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 ₂ S (ppm)	0.1 ppm	No	0.0 to 0.0	0.0
	LEL (%)	> 5%	No	0.0 to 0.0	0.0
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 ₂ S (ppm)	0.1 ppm	No	0.0 to 0.0	0.0
	LEL (%)	> 5%	No	0.0 to 0.0	0.0
W01B00002170	VOC (ppm)	0.5 ppm	No	0.00 to 0.00	0.00
	CO (ppm)	9 ppm	No	0.00 to 0.04	0.00
	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
W01B00002172	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 ₂ 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
W01B00002181	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 ₂ S (ppm)	0.1 ppm	No	0.0 to 0.0	0.0
	LEL (%)	> 5%	No	0.0 to 0.0	0.0
W01B00002183	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 ₂ 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
W01B00002206	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 ₂ S (ppm)	0.1 ppm	No	0.0 to 0.0	0.0
	LEL (%)	> 5%	No	0.0 to 0.0	0.0
W01B00002207	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 ₂ S (ppm)	0.1 ppm	No	0.0 to 0.0	0.0
	LEL (%)	> 5%	No	0.0 to 0.0	0.0
W01B00002208	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 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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Air Monitoring Instrument Serial Number	Analyte	Screening Level ¹	Screening Level Exceeded?	8-hour Period Concentration Range	Average of All 8-hour Periods
W01B00002220	VOC (ppm)	0.5 ppm	No	0.00 to 0.02	0.01
	CO (ppm)	9 ppm	No	0.00 to 0.00	0.00
	H ₂ S (ppm)	0.1 ppm	No	0.0 to 0.0	0.00
	LEL (%)	> 5%	No	0.0 to 0.0	0.0
W01B00002221	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 ₂ S (ppm)	0.1 ppm	No	0.0 to 0.0	0.0
	LEL (%)	> 5%	No	0.0 to 0.0	0.0
W01B00002222	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 ₂ S (ppm)	0.1 ppm	No	0.0 to 0.0	0.00
	LEL (%)	> 5%	No	0.0 to 0.0	0.0
W01B00002223	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 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

mg/m³ - milligrams per cubic meter

O₂ - Oxygen

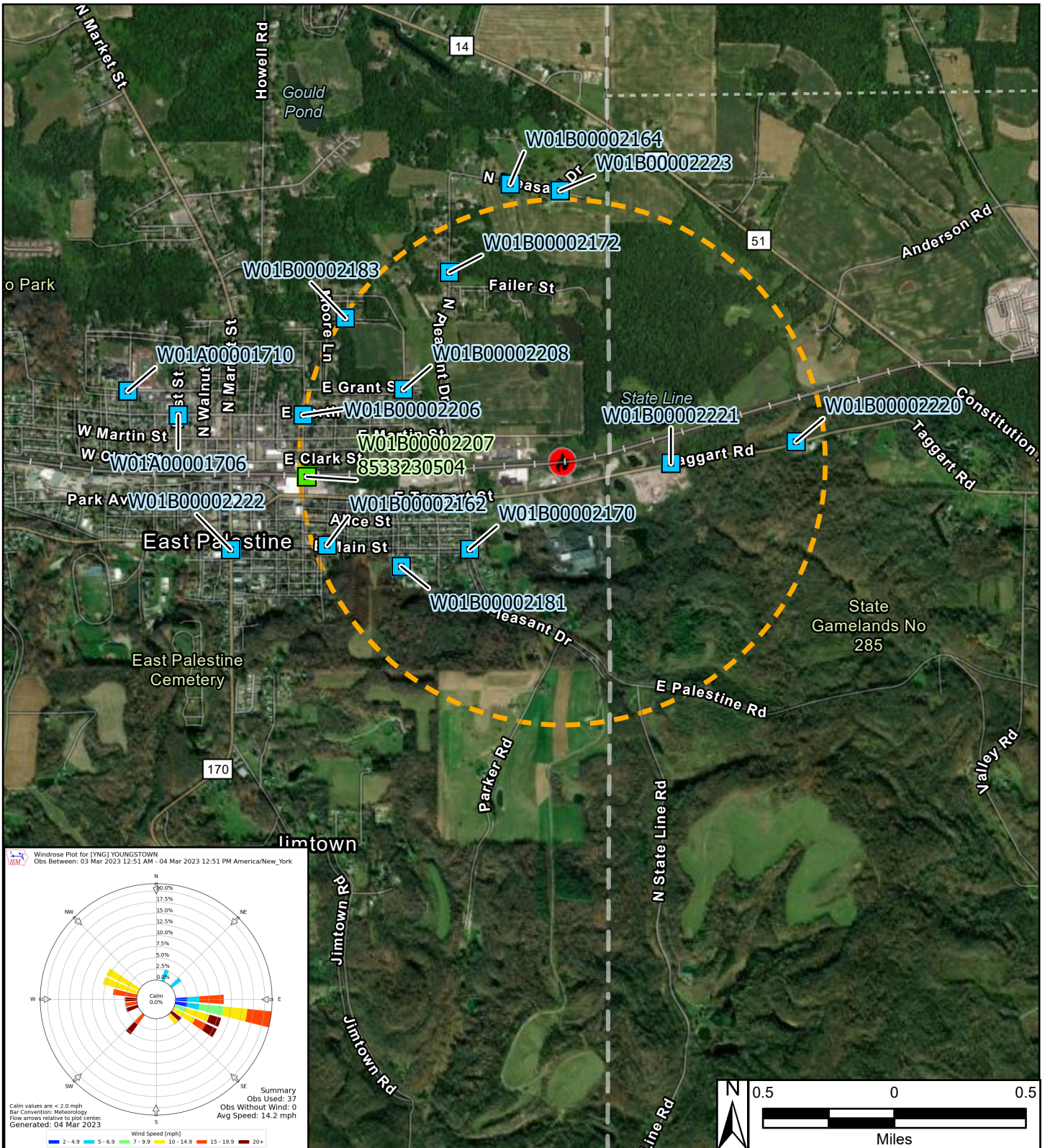
PM_{2.5} - particles that are 2.5 micrometers and smaller

PM₁₀ - particles that are 10 micrometers and smaller

ppm - Parts per million

S/N - Serial number

VOC - Volatile organic compounds



- Legend**
- Continuous Air Monitoring Locations with DustTrak
 - 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

TETRA TECH

Prepared For: EPA Prepared By: Tetra Tech Inc.