

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

If you need assistance
accessing this information,,
contact
(r5_eastpalestine@epa.gov)

Monitoring Period: 03/16/2023 00:00 through 03/17/2023 09:22

Air Monitoring Instrument: Serial Number	Analyte	Screening Level ¹	Screening Level Exceeded?	8-hour Period Concentration Range	Average of All 8-hour Periods
8533230503	PM _{2.5} (mg/m ³)	0.035 mg/m ³	No	0.01 to 0.034	0.02
	PM ₁₀ (mg/m ³)	0.035 mg/m ³	Yes ²	0.018 to 0.047	0.032
8533230504	PM _{2.5} (mg/m ³)	0.035 mg/m ³	Yes ²	0.003 to 0.054	0.015
	PM ₁₀ (mg/m ³)	0.035 mg/m ³	Yes ²	0.005 to 0.057	0.018
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 ₂ 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 0.00	0.00
	CO (ppm)	9 ppm	No	0.00 to 0.02	0.01
	H ₂ 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 ₂ 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 0.00	0.00
	H ₂ 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 ₂ 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 ₂ 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 0.00	0.00
	CO (ppm)	9 ppm	No	0.00 to 0.02	0.01
	H ₂ S (ppm)	0.1 ppm	No	0.00 to 0.00	0.00
	LEL (%)	> 5%	No	0.00 to 0.00	0.00
W01B00002172	VOC (ppm)	0.5 ppm	No	0.00 to 0.00	0.00
	CO (ppm)	9 ppm	No	0.00 to 0.01	0.01
	H ₂ S (ppm)	0.1 ppm	No	0.00 to 0.00	0.00
	LEL (%)	> 5%	No	0.00 to 0.00	0.00
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	0.00 to 0.00	0.00
	LEL (%)	> 5%	No	0.00 to 0.00	0.00
W01B00002183	VOC (ppm)	0.5 ppm	No	0.00 to 0.02	0.01
	CO (ppm)	9 ppm	No	0.00 to 0.02	0.01
	H ₂ S (ppm)	0.1 ppm	No	0.00 to 0.00	0.00
	LEL (%)	> 5%	No	0.00 to 0.00	0.00

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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	0.00 to 0.00	0.00
	LEL (%)	> 5%	No	0.00 to 0.00	0.00
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	0.00 to 0.00	0.00
	LEL (%)	> 5%	No	0.00 to 0.00	0.00
W01B00002220	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	0.00 to 0.00	0.00
	LEL (%)	> 5%	No	0.00 to 0.00	0.00
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	0.00 to 0.00	0.00
W01B00002222	VOC (ppm)	0.5 ppm	No	0.00 to 0.05	0.02
	CO (ppm)	9 ppm	No	0.00 to 0.01	0.00
	H ₂ 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
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	0.00 to 0.00	0.00

Notes:

¹ Site-Specific Action Level stated in the Tetra Tech Air Monitoring and Sampling Plan.

² Vehicle traffic observed during monitoring period near monitoring instrument.

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:

> - Greater than

% - Percent

CO - Carbon Monoxide

H₂S - Hydrogen Sulfide

HCN - Hydrogen Cyanide

LEL - Lower Explosive Limit

mg/m³ - milligrams per cubic meter

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

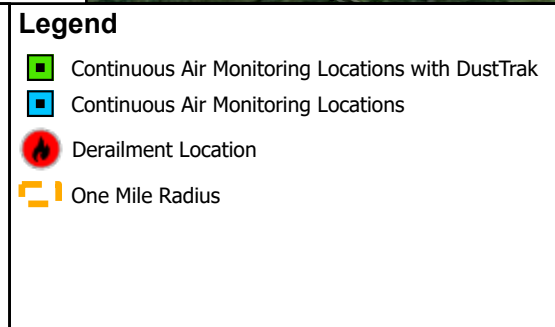
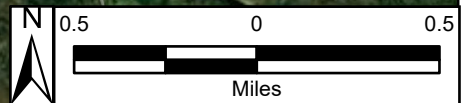
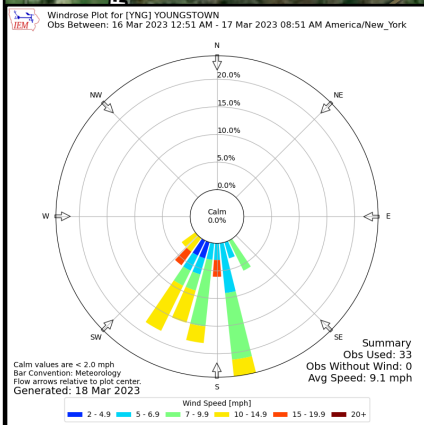
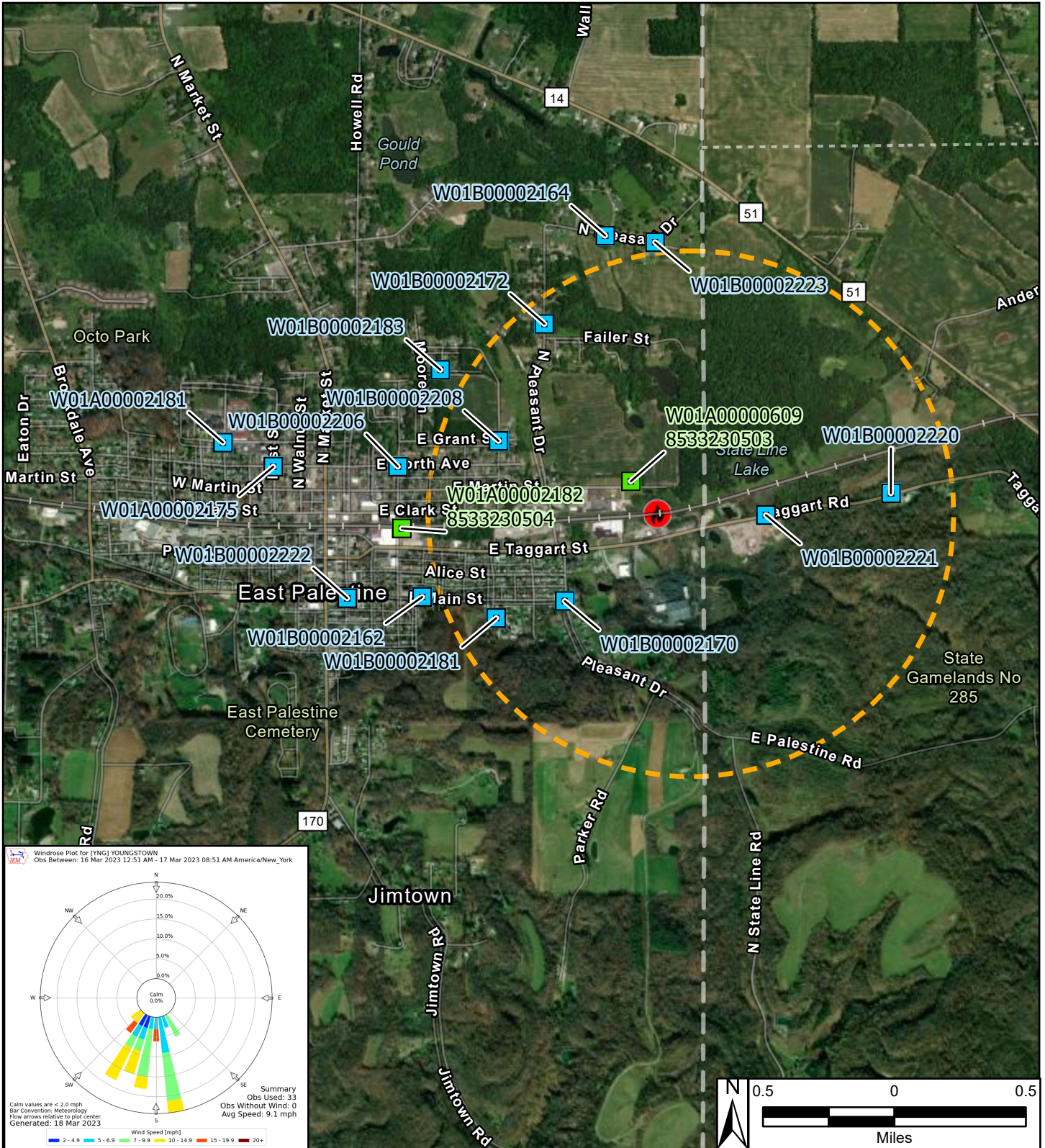
PM₁₀ - particles that are 10 micrometers and smaller

ppm - Parts per million

S/N - Serial number

VOC - Volatile organic compound

We are in the process of ensuring this document is accessible to all audiences. If you need assistance accessing this document, or any materials on the EPA East Palestine, Ohio emergency response webpages, please contact the Region 5 Public Information Officer on-call r5_eastpalestine@epa.gov



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

Figure 1
Continuous Air Monitoring Community Stations

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