

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: 03/18/2023 00:00 through 03/19/2023 10:05**

Air Monitoring Instrument: Serial Number	Analyte	Screening Level <sup>1</sup>	Screening Level Exceeded?	8-hour Period Concentration Range	Average of All 8-hour Periods
8533230503	PM <sub>2.5</sub> (mg/m <sup>3</sup> )	0.035 mg/m <sup>3</sup>	No	0.010 to 0.013	0.011
	PM <sub>10</sub> (mg/m <sup>3</sup> )	0.035 mg/m <sup>3</sup>	No	0.012 to 0.017	0.014
8533230504	PM <sub>2.5</sub> (mg/m <sup>3</sup> )	0.035 mg/m <sup>3</sup>	No	0.008 to 0.019	0.013
	PM <sub>10</sub> (mg/m <sup>3</sup> )	0.035 mg/m <sup>3</sup>	No	0.009 to 0.02	0.014
8533230702	PM <sub>2.5</sub> (mg/m <sup>3</sup> )	0.035 mg/m <sup>3</sup>	No	0.008 to 0.014	0.010
	PM <sub>10</sub> (mg/m <sup>3</sup> )	0.035 mg/m <sup>3</sup>	No	0.009 to 0.015	0.012
W01A00002173	VOC (ppm)	0.5 ppm	No	0.00 to 0.00	0.00
W01A00002175	VOC (ppm)	0.5 ppm	No	0.00 to 0.00	0.00
W01A00002181	VOC (ppm)	0.5 ppm	No	0.00 to 0.00	0.00
W01A00002182	VOC (ppm)	0.5 ppm	No	0.00 to 0.00	0.00
W01B00002162	VOC (ppm)	0.5 ppm	No	0.00 to 0.00	0.00
W01B00002164	VOC (ppm)	0.5 ppm	No	0.00 to 0.00	0.00
W01B00002170	VOC (ppm)	0.5 ppm	No	0.00 to 0.00	0.00
W01B00002172	VOC (ppm)	0.5 ppm	No	0.00 to 0.00	0.00
W01B00002181	VOC (ppm)	0.5 ppm	No	0.00 to 0.00	0.00
W01B00002183	VOC (ppm)	0.5 ppm	No	0.00 to 0.00	0.00
W01B00002206	VOC (ppm)	0.5 ppm	No	0.00 to 0.00	0.00
W01B00002208	VOC (ppm)	0.5 ppm	No	0.00 to 0.00	0.00
W01B00002220	VOC (ppm)	0.5 ppm	No	0.00 to 0.00	0.00
W01B00002221	VOC (ppm)	0.5 ppm	No	0.00 to 0.00	0.00
W01B00002222	VOC (ppm)	0.5 ppm	No	0.00 to 0.00	0.00
W01B00002223	VOC (ppm)	0.5 ppm	No	0.00 to 0.00	0.00
W01A00000609	VOC (ppm)	0.5 ppm	No	0.00 to 0.00	0.00

**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.

On 3/16/2023, the AreaRAE network was modified to include VOCs, LEL, and O<sub>2</sub> for Site Monitoring and VOCs for community based monitoring. Sensors were eliminated after evaluating historical data and better reflect the current threats to the environment and community.

**Abbreviations:**

mg/m<sup>3</sup> - milligrams per cubic meter

PM<sub>2.5</sub> - particles that are 2.5 micrometers and smaller

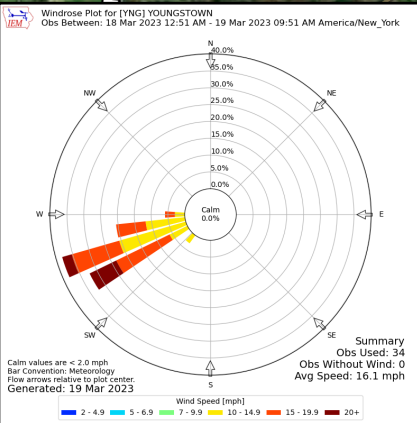
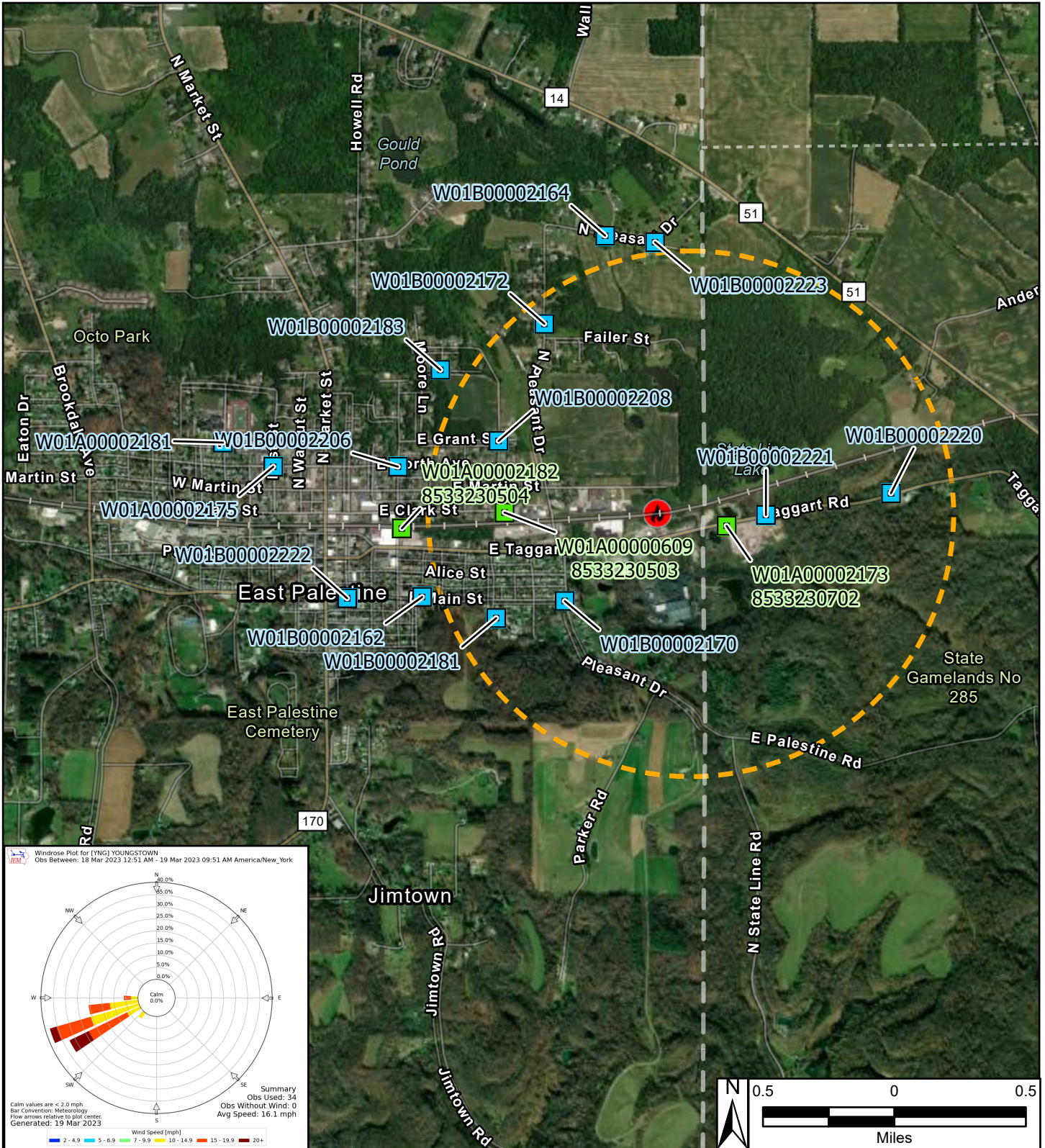
PM<sub>10</sub> - particles that are 10 micrometers and smaller

ppm - Parts per million

S/N - Serial number

VOC - Volatile organic compound

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- Legend**
- Continuous Air Monitoring Locations with DustTrak
  - Continuous Air Monitoring Locations
  - Derailment Location
  - One Mile Radius

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

**Figure 1**  
**Continuous Air Monitoring Community Stations**

**TETRA TECH**

Prepared For: EPA Prepared By: Tetra Tech Inc.