

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

**Monitoring Period: 09/04/2023 00:00 through 09/05/2023 09:26**

<b>Air Monitoring Instrument: Serial Number</b>	<b>Analyte</b>	<b>Screening Level<sup>1</sup></b>	<b>Screening Level Exceeded?</b>	<b>8-hour Period Concentration Range</b>	<b>Average of All 8-hour Periods</b>
<b>8533230702</b>	PM <sub>2.5</sub> (mg/m <sup>3</sup> )	0.035 (mg/m <sup>3</sup> )	No	0.012 to 0.023	0.016
	PM <sub>10</sub> (mg/m <sup>3</sup> )	0.070 (mg/m <sup>3</sup> )	No	0.014 to 0.025	0.018
<b>8533230504</b>	PM <sub>2.5</sub> (mg/m <sup>3</sup> )	0.035 (mg/m <sup>3</sup> )	No	0.008 to 0.031	0.020
	PM <sub>10</sub> (mg/m <sup>3</sup> )	0.070 (mg/m <sup>3</sup> )	No	0.009 to 0.032	0.021
<b>8533183117</b>	PM <sub>2.5</sub> (mg/m <sup>3</sup> )	0.035 (mg/m <sup>3</sup> )	No	0.013 to 0.028	0.018
	PM <sub>10</sub> (mg/m <sup>3</sup> )	0.070 (mg/m <sup>3</sup> )	No	0.014 to 0.029	0.019
<b>W01A00002133</b>	VOC (ppm)	0.5 (ppm)	No	0.00 to 0.00	0.00
<b>W01B00002209</b>	VOC (ppm)	0.5 (ppm)	No	0.00 to 0.00	0.00
<b>W01B00002220</b>	VOC (ppm)	0.5 (ppm)	No	0.00 to 0.00	0.00

**Notes:**

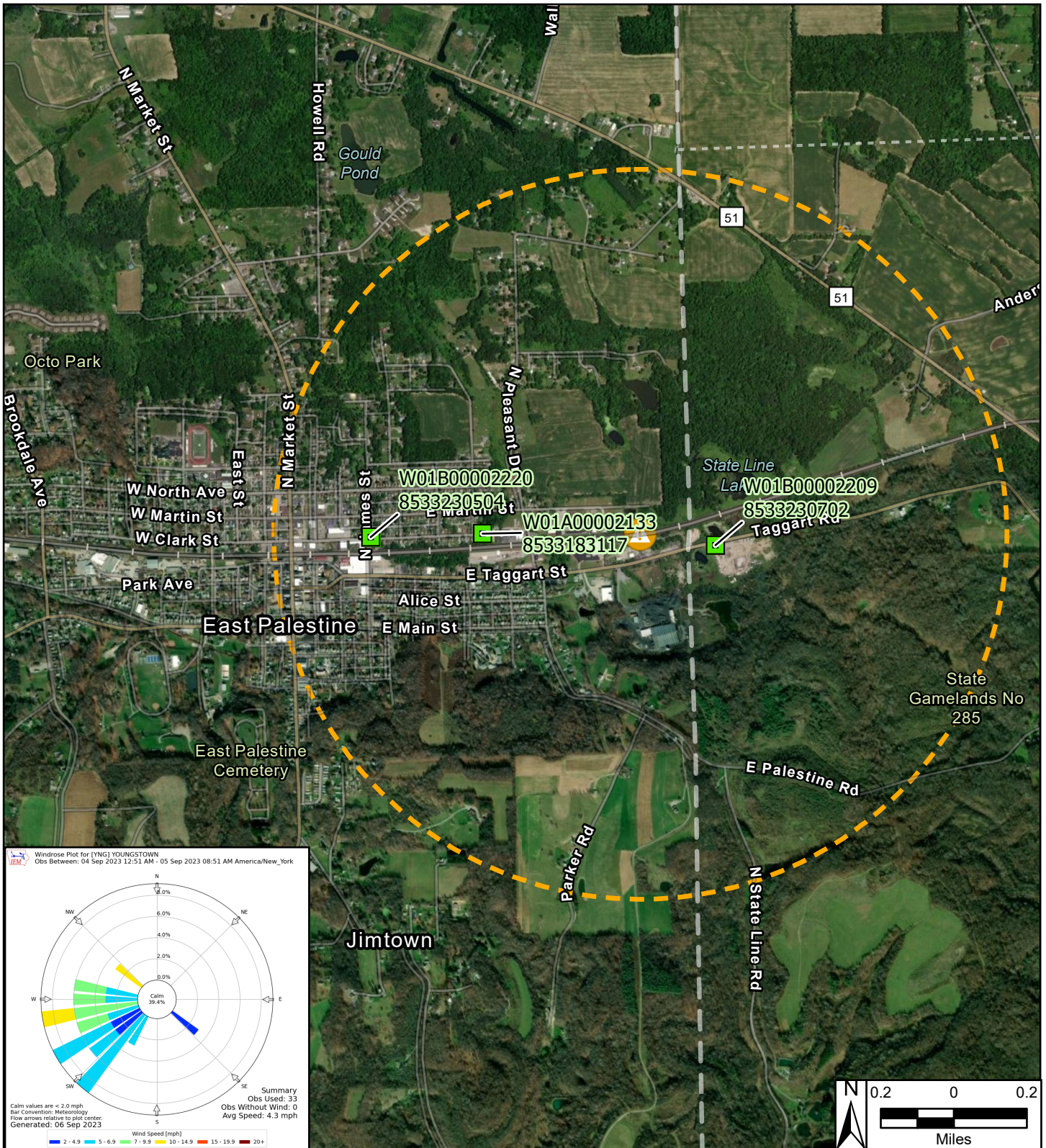
<sup>1</sup> Site-Specific Screening Levels stated in the Tetra Tech Air Monitoring and Sampling Plan. Screening levels were modified on March 16, 2023 to reflect updated operation procedures on when to apply mitigation methods to reduce dust. Action levels set by health departments have not changed.

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:**

- mg/m<sup>3</sup> - milligrams per meter cubed
- PM<sub>2.5</sub> - Particulate Matter, diameter 2.5 micrometers and smaller
- PM<sub>10</sub> - Particulate Matter, diameter 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
  - One Mile Radius
  - ▲ Derailment Location

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

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

**TETRA TECH**

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