

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

Monitoring Period: 03/24/2023 00:00 through 03/25/2023 10:01

| 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 | 0.000 to 0.014 | 0.011 |
| | PM ₁₀ (mg/m ³) | 0.070 mg/m ³ | No | 0.000 to 0.018 | 0.014 |
| 8533230702 | PM _{2.5} (mg/m ³) | 0.035 mg/m ³ | No | 0.006 to 0.010 | 0.009 |
| | PM ₁₀ (mg/m ³) | 0.070 mg/m ³ | No | 0.009 to 0.022 | 0.018 |
| W01A00002173 | 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 |
| W01A00002175 | 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 |
| 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 |
| W01B00002221 | VOC (ppm) | 0.5 ppm | No | 0.00 to 0.00 | 0.00 |
| W01B00002222 | VOC (ppm) | 0.5 ppm | No | 0.00 to 0.02 | 0.01 |
| W01B00002223 | VOC (ppm) | 0.5 ppm | No | 0.00 to 0.00 | 0.00 |
| W01B00002183 | VOC (ppm) | 0.5 ppm | No | 0.00 to 0.01 | 0.00 |
| W01B00002220 | VOC (ppm) | 0.5 ppm | No | 0.00 to 0.00 | 0.00 |

Notes:

¹ 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/m³ - milligrams per meter cubed

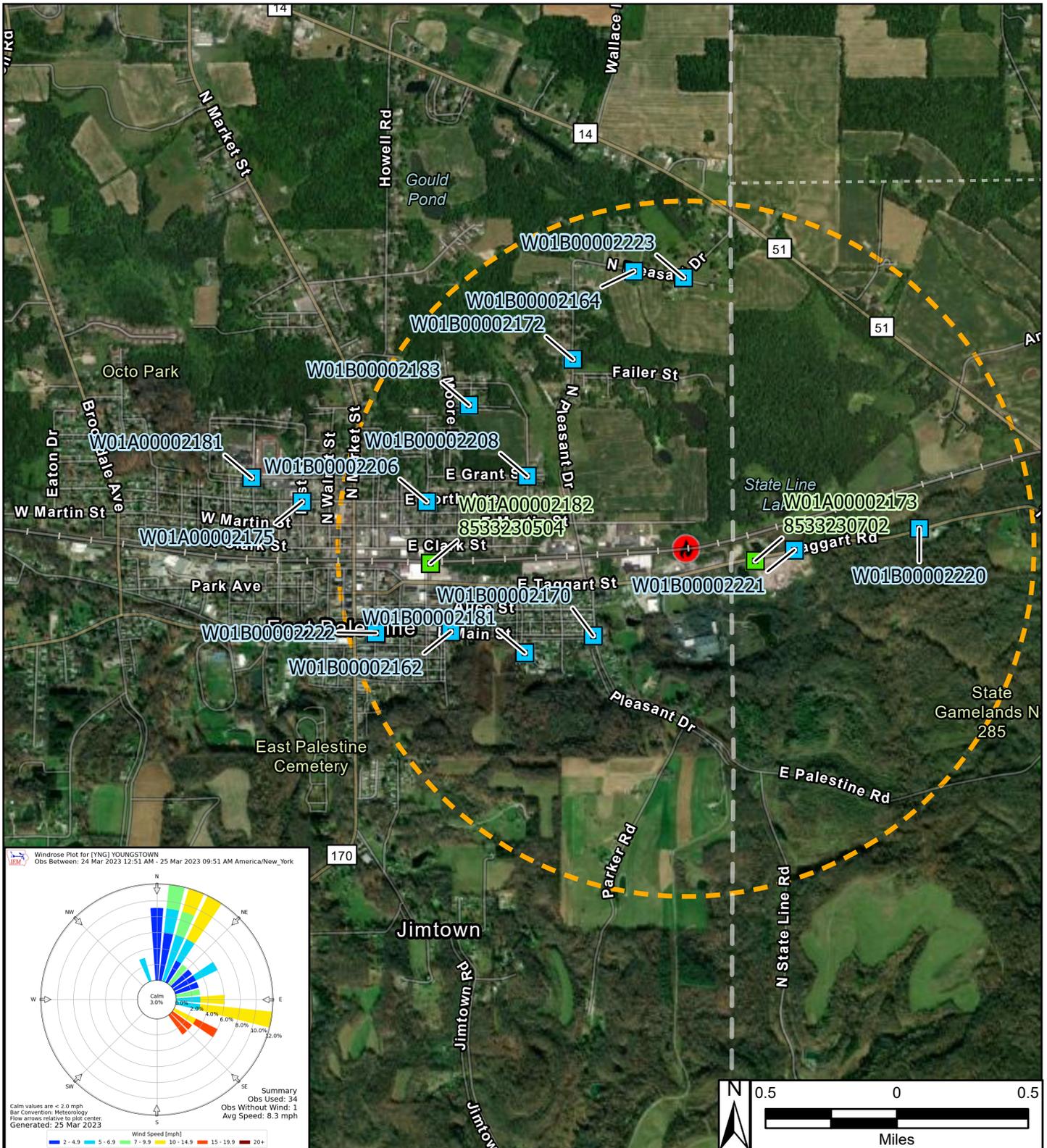
PM_{2.5} - Particulate Matter, diameter 2.5 micrometers and smaller

PM₁₀ - Particulate Matter, diameter 10 micrometers and smaller

ppm - Parts per million

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.