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

Monitoring Period: 03/17/2023 00:00 through 03/18/2023 09:12

| 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 | 0.011 to 0.012 | 0.012 |
| | PM ₁₀ (mg/m ³) | 0.035 mg/m ³ | No | 0.012 to 0.013 | 0.012 |
| 8533230504 | PM _{2.5} (mg/m ³) | 0.035 mg/m ³ | No | 0.008 to 0.020 | 0.011 |
| | PM ₁₀ (mg/m ³) | 0.035 mg/m ³ | No | 0.009 to 0.020 | 0.011 |
| W01A00000609 | VOC (ppm) | 0.5 ppm | No | 0.00 to 0.02 | 0.01 |
| 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 0.01 | 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 0.03 | 0.01 |
| 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 |

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.

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 O₂ 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/m³ - milligrams per cubic meter

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

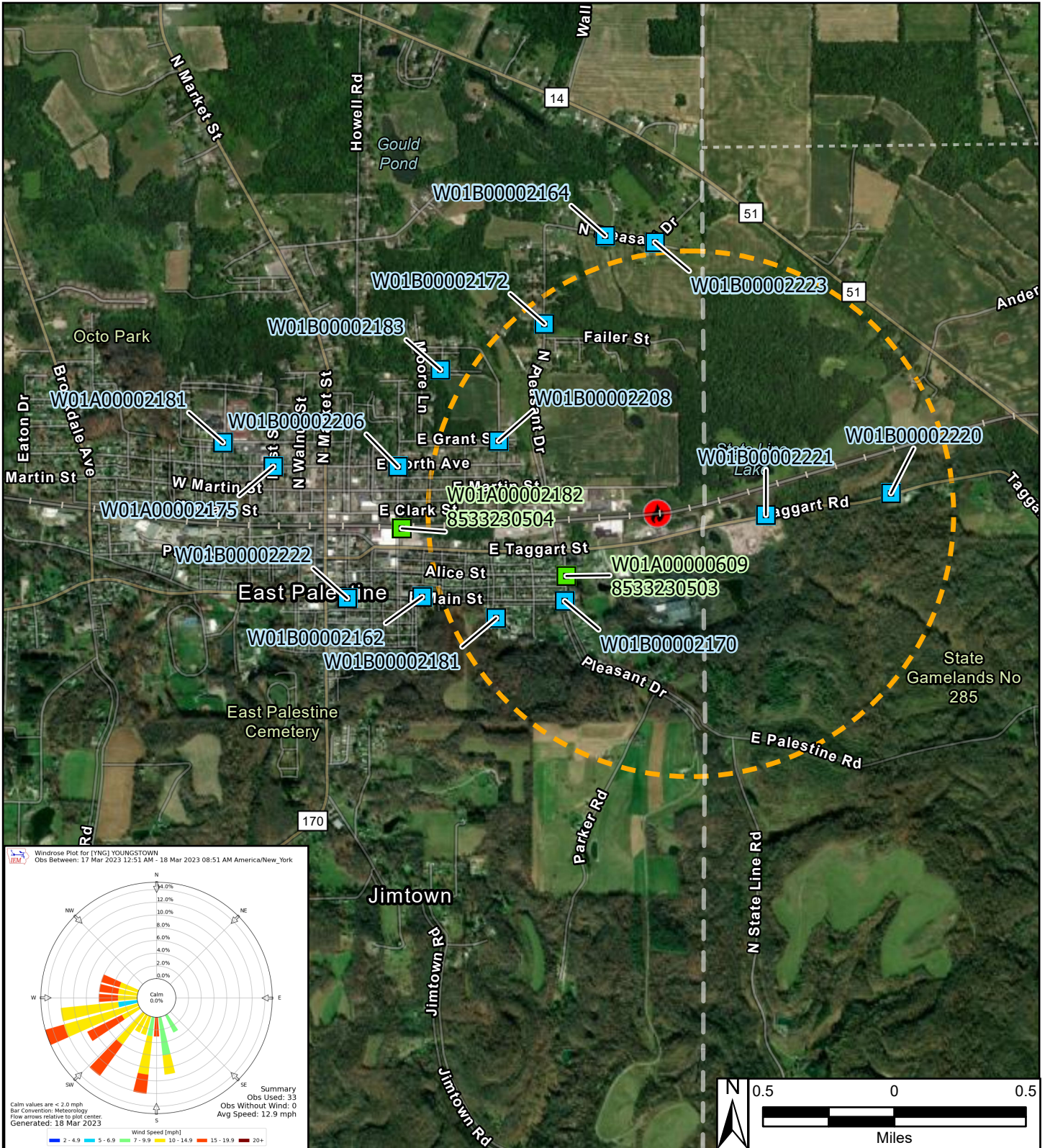
PM₁₀ - particles that are 10 micrometers and smaller

ppm - Parts per million

S/N - Serial number

VOC - Volatile organic compound

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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.