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

Monitoring Period: 03/05/2023 00:00 through 03/06/2023 12:18

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
8533230504	PM <sub>2.5</sub> (mg/m <sup>3</sup> )	0.035 mg/m <sup>3</sup>	Yes	0.007 to 0.094	0.032
	PM <sub>10</sub> (mg/m <sup>3</sup> )	0.035 mg/m <sup>3</sup>	Yes	0.007 to 0.096	0.036
W01A00001706	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 <sub>2</sub> S (ppm)	0.1 ppm	No	0.0 to 0.0	0.0
W01A00001710	VOC (ppm)	0.5 ppm	No	0.00 to 0.13	0.03
	CO (ppm)	9 ppm	No	0.00 to 0.00	0.00
	LEL (%)	> 5%	No	0.0 to 0.0	0.0
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 <sub>2</sub> S (ppm)	0.1 ppm	No	0.0 to 0.0	0.0
	LEL (%)	> 5%	No	0.0 to 0.0	0.0
W01B00002164	VOC (ppm)	0.5 ppm	No	0.00 to 0.00	0.00
	CO (ppm)	9 ppm	No	0.00 to 0.01	0.00
	H <sub>2</sub> S (ppm)	0.1 ppm	No	0.0 to 0.0	0.0
	LEL (%)	> 5%	No	0.0 to 0.0	0.0
W01B00002170	VOC (ppm)	0.5 ppm	No	0.00 to 0.05	0.02
	CO (ppm)	9 ppm	No	0.00 to 0.03	0.01
	H <sub>2</sub> S (ppm)	0.1 ppm	No	0.0 to 0.0	0.0
	HCN (ppm)	1 ppm	No	0.0 to 0.0	0.0
	LEL (%)	> 5%	No	0.0 to 0.5	0.2
W01B00002172	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 <sub>2</sub> S (ppm)	0.1 ppm	No	0.0 to 0.0	0.0
	HCN (ppm)	1 ppm	No	0.0 to 0.0	0.0
	LEL (%)	> 5%	No	0.0 to 0.0	0.0
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 <sub>2</sub> S (ppm)	0.1 ppm	No	0.0 to 0.0	0.0
	LEL (%)	> 5%	No	0.0 to 0.0	0.0
W01B00002183	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 <sub>2</sub> S (ppm)	0.1 ppm	No	0.0 to 0.0	0.0
	HCN (ppm)	1 ppm	No	0.0 to 0.0	0.0
	LEL (%)	> 5%	No	0.0 to 0.0	0.0
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 <sub>2</sub> S (ppm)	0.1 ppm	No	0.0 to 0.0	0.0
	LEL (%)	> 5%	No	0.0 to 0.0	0.0
W01B00002207	VOC (ppm)	0.5 ppm	No	0.00 to 0.03	0.01
	CO (ppm)	9 ppm	No	0.00 to 0.00	0.00
	H <sub>2</sub> S (ppm)	0.1 ppm	No	0.0 to 0.0	0.0
	HCN (ppm)	1 ppm	No	0.0 to 0.0	0.0
	LEL (%)	> 5%	No	0.0 to 0.0	0.0
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 <sub>2</sub> S (ppm)	0.1 ppm	No	0.0 to 0.0	0.0
	LEL (%)	> 5%	No	0.0 to 0.0	0.0

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**Monitoring Period: 03/05/2023 00:00 through 03/06/2023 12:18**

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
<b>W01B00002220</b>	VOC (ppm)	0.5 ppm	No	0.00 to 0.01	0.00
	CO (ppm)	9 ppm	No	0.00 to 0.01	0.00
	H <sub>2</sub> S (ppm)	0.1 ppm	No	0.0 to 0.0	0.0
	LEL (%)	> 5%	No	0.0 to 0.0	0.0
<b>W01B00002221</b>	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 <sub>2</sub> S (ppm)	0.1 ppm	No	0.0 to 0.0	0.0
<b>W01B00002222</b>	VOC (ppm)	0.5 ppm	No	0.00 to 0.00	0.00
	CO (ppm)	9 ppm	No	0.00 to 0.25	0.09
	H <sub>2</sub> S (ppm)	0.1 ppm	No	0.0 to 0.0	0.0
	LEL (%)	> 5%	No	0.0 to 0.0	0.0
<b>W01B00002223</b>	VOC (ppm)	0.5 ppm	No	0.00 to 0.00	0.00
	CO (ppm)	9 ppm	No	0.00 to 0.01	0.00
	H <sub>2</sub> S (ppm)	0.1 ppm	No	0.0 to 0.0	0.0

**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.

**Abbreviations:**

< - Less than

> - Greater than

% - Percent

CO - Carbon Monoxide

H<sub>2</sub>S - Hydrogen Sulfide

HCN - Hydrogen Cyanide

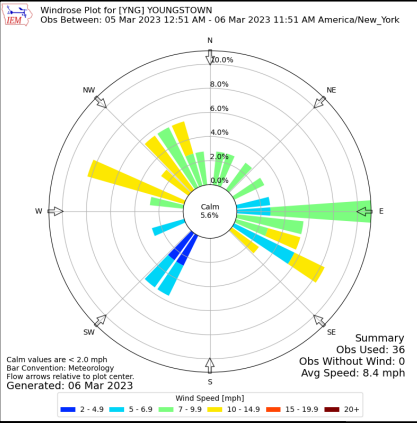
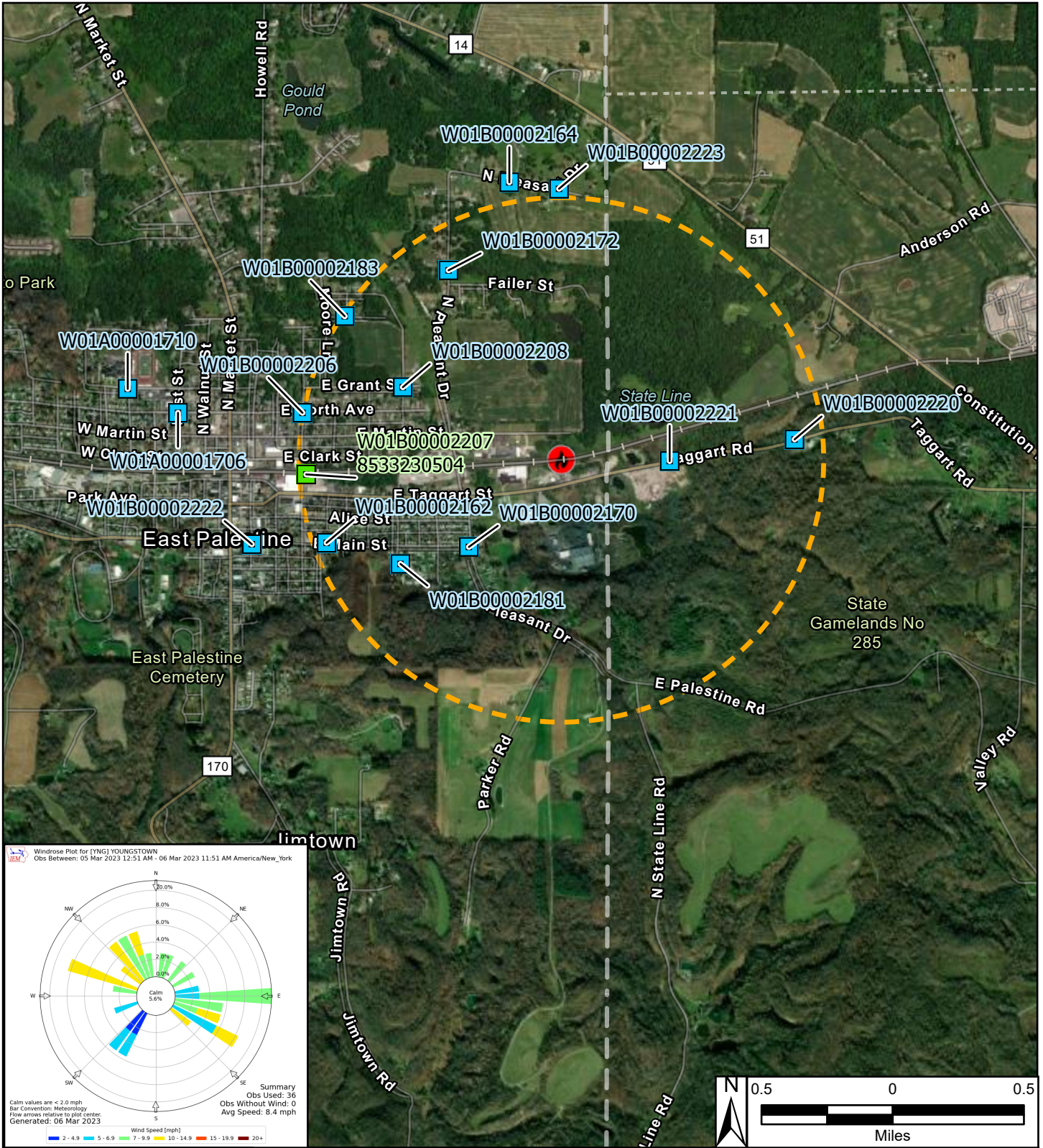
LEL - Lower Explosive Limit

O<sub>2</sub> - Oxygen

ppm - Parts per million

S/N - Serial number

VOC - Volatile organic compound



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

East Palestine Derailment ER Site  
 75 E Main St  
 East Palestine, Columbiana County, OH 44413

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



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