

Table 1  
Community Roving Air Monitoring Results Summary Table  
East Palestine Derailment Emergency Response  
East Palestine, Ohio  
Monitoring Period: 06/01/2023 08:22 to 06/01/2023 17:14

Location	Date/Time	VOC (ppm)	PM <sub>2.5</sub> (mg/m <sup>3</sup> ) <sup>1</sup>	PM <sub>10</sub> (mg/m <sup>3</sup> ) <sup>1</sup>
		Screening Levels		
		0.5 ppm	0.035 mg/m <sup>3</sup>	0.070 mg/m <sup>3</sup>
PCR-N-03	6/1/2023 8:30	0	0.024	0.032
	6/1/2023 14:23	0	0.017	0.021
PCR-N-04	6/1/2023 9:48	0	0.019	0.026
	6/1/2023 15:33	0	0.013	0.017
PCR-N-05	6/1/2023 9:55	0	0.024	0.033
	6/1/2023 15:40	0	0.021	0.033
PCR-N-06	6/1/2023 8:34	0	0.018	0.023
	6/1/2023 15:18	0	0.013	0.016
PCR-N-07	6/1/2023 8:35	0	0.025	0.032
	6/1/2023 14:29	0	0.017	0.021
PCR-N-08	6/1/2023 8:39	0	0.021	0.025
	6/1/2023 14:43	0	0.016	0.019
PCR-N-09	6/1/2023 8:44	0	0.017	0.021
	6/1/2023 14:49	0	0.014	0.018
PCR-N-10	6/1/2023 8:48	0	0.02	0.025
	6/1/2023 14:55	0	0.014	0.016
PCR-N-11	6/1/2023 10:02	0	0.022	0.038
	6/1/2023 15:50	0	0.016	0.018
PCR-N-12	6/1/2023 10:07	0	0.017	0.021
	6/1/2023 15:56	0	0.019	0.029
PCR-N-13	6/1/2023 9:40	0	0.019	0.024
	6/1/2023 15:28	0	0.013	0.016
PCR-S-01	6/1/2023 11:18	0	0.019	0.026
	6/1/2023 17:14	0	0.013	0.015
PCR-S-04	6/1/2023 11:04	0	0.017	0.019
	6/1/2023 17:03	0	0.014	0.017
PCR-S-05	6/1/2023 10:53	0	0.017	0.02
	6/1/2023 16:51	0	0.014	0.016
PCR-S-06	6/1/2023 10:46	0	0.017	0.019
	6/1/2023 16:44	0	0.017	0.027
PCR-S-07	6/1/2023 10:41	0	0.018	0.022
	6/1/2023 16:40	0	0.015	0.019
PCR-S-08	6/1/2023 10:37	0	0.023	0.036
	6/1/2023 16:37	0	0.017	0.026
PCR-S-09	6/1/2023 11:01	0	0.019	0.022
	6/1/2023 16:58	0	0.014	0.018

We are in the process of ensuring this document is accessible to all audiences. If you need assistance accessing this document, or any materials on the EPA East Palestine, Ohio emergency response webpages, please contact the Region 5 Public Information Officer on-call [r5\\_eastpalestine@epa.gov](mailto:r5_eastpalestine@epa.gov)

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		Screening Levels		
		0.5 ppm	0.035 mg/m <sup>3</sup>	0.070 mg/m <sup>3</sup>
PCR-S-10	6/1/2023 8:22	0	0.028	0.041
	6/1/2023 14:14	0	0.02	0.025
PCR-S-14	6/1/2023 10:19	0	0.016	0.019
	6/1/2023 16:06	0	0.014	0.016
PCR-S-15	6/1/2023 10:23	0	0.021	0.029
PCR-S-16	6/1/2023 10:31	0	0.016	0.018
	6/1/2023 16:25	0	0.015	0.019

Notes:

Highlighted indicate detections above screening levels

1 - Site-Specific Public Health Screening Levels for particulate matter are based on 24-hour time-weighted averages (TWAs). Fixed discrete monitoring readings are discrete readings, and so do not represent conditions over a full 24-hour period. 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.

\* - the screening level is the instrument's limit of detection.

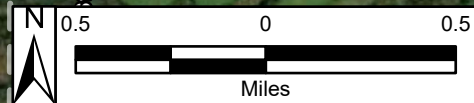
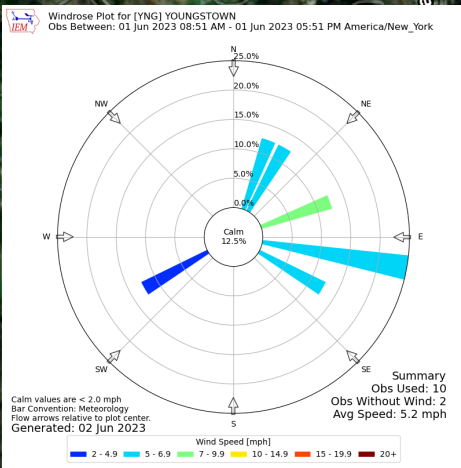
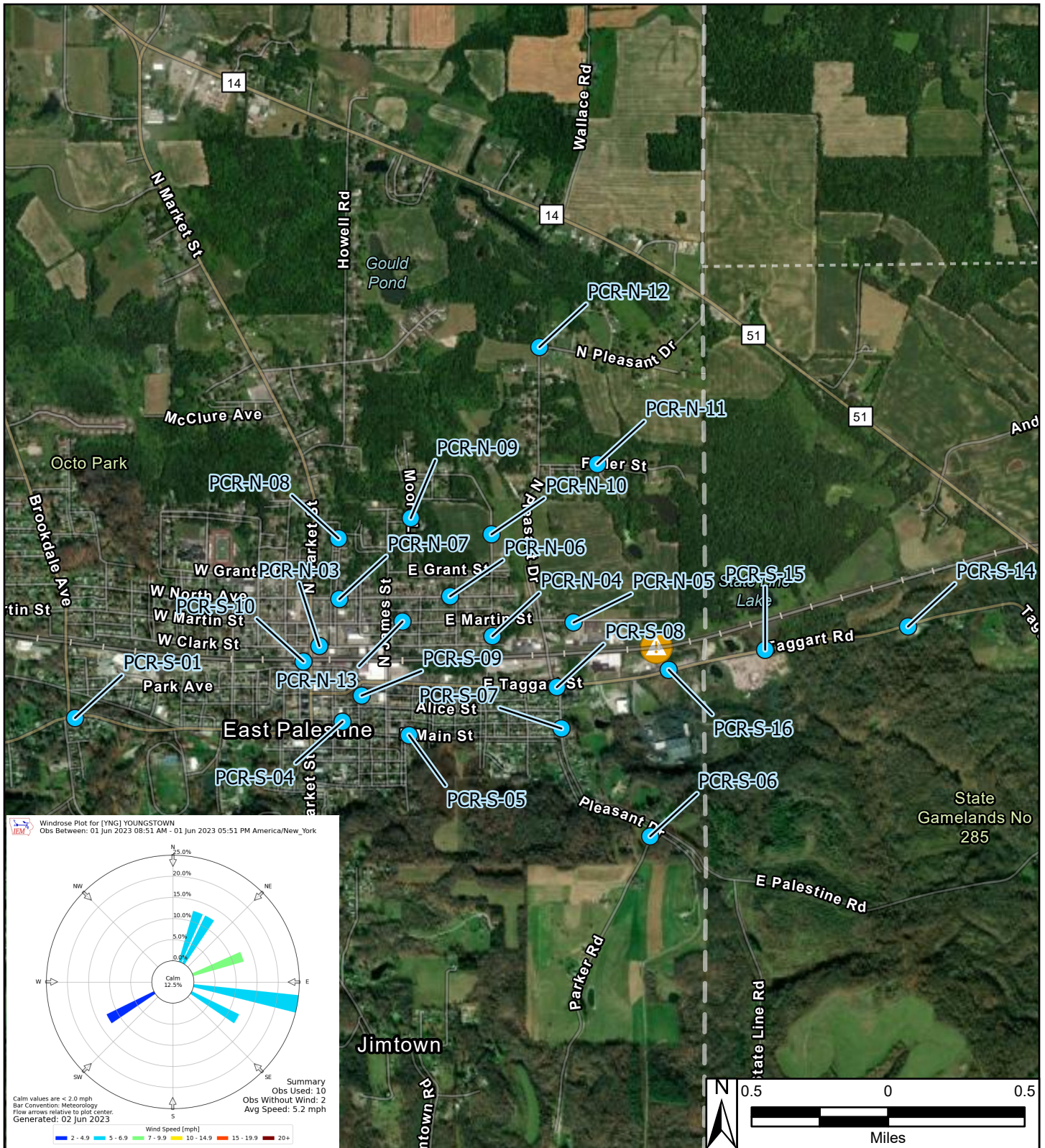
<sup>1</sup> - A secondary instrument was used to evaluate CO and reported CO as non-detected. The elevated CO measurement

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

ppm - parts per million

TWA - time-weighted average

VOC - volatile organic compounds



**Reference Map**



**Legend**

- Roaming Air Monitoring Locations
- ⚠ Derailment Location
- One Mile Radius

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

**Figure 1**  
**Roaming Air Monitoring**  
**Community Locations**



Prepared For: EPA

Prepared By: Tetra Tech Inc.