

Table 1  
Community Roving Air Monitoring Results Summary Table  
East Palestine Derailment Emergency Response  
East Palestine, Ohio  
Monitoring Period: 06/03/2023 08:52 to 06/03/2023 16:47

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	6/3/2023 9:08	0	0.019	0.027
	6/3/2023 13:31	0	0.031	0.034
PCR-N-04	6/3/2023 10:03	0	0.016	0.018
PCR-N-05	6/3/2023 10:10	0	0.026	0.042
PCR-N-06	6/3/2023 9:48	0	0.021	0.034
	6/3/2023 14:24	0	0.046	0.049
PCR-N-07	6/3/2023 9:13	0	0.018	0.02
	6/3/2023 13:38	0	0.033	0.028
PCR-N-08	6/3/2023 9:18	0	0.028	0.048
	6/3/2023 13:45	0	0.023	0.023
PCR-N-09	6/3/2023 9:28	0	0.02	0.037
	6/3/2023 13:52	0	0.033	0.031
PCR-N-10	6/3/2023 9:40	0	0.026	0.031
	6/3/2023 13:58	0	0.034	0.032
PCR-N-11	6/3/2023 10:19	0	0.025	0.031
	6/3/2023 15:12	0	0.03	0.03
PCR-N-12	6/3/2023 10:30	0	0.017	0.025
	6/3/2023 15:19	0	0.034	0.034
PCR-N-13	6/3/2023 9:56	0	0.021	0.024
	6/3/2023 14:44	0	0.041	0.041
PCR-S-01	6/3/2023 11:52	0.01	0.015	0.024
	6/3/2023 16:47	0	0.029	0.031
PCR-S-04	6/3/2023 11:41	0	0.014	0.015
	6/3/2023 15:01	0	0.037	0.036
	6/3/2023 16:41	0	0.033	0.033
PCR-S-05	6/3/2023 11:27	0.01	0.018	0.022
	6/3/2023 14:53	0	0.046	0.053
	6/3/2023 16:31	0	0.033	0.035
PCR-S-06	6/3/2023 11:14	0.01	0.015	0.015
	6/3/2023 16:25	0	0.03	0.036
PCR-S-07	6/3/2023 11:07	0	0.021	0.027
	6/3/2023 16:21	0	0.032	0.033
PCR-S-08	6/3/2023 10:43	0	0.015	0.016
	6/3/2023 15:54	0	0.035	0.04
PCR-S-09	6/3/2023 11:35	0	0.021	0.022
	6/3/2023 16:35	0	0.037	0.043
PCR-S-10	6/3/2023 8:52	0	0.026	0.038
	6/3/2023 13:13	0	0.016	0.019

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

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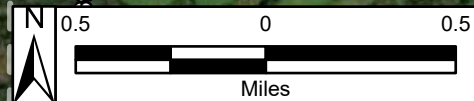
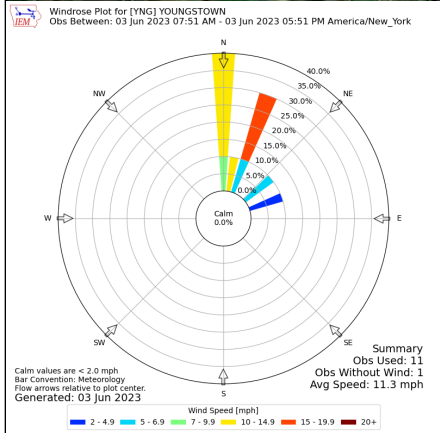
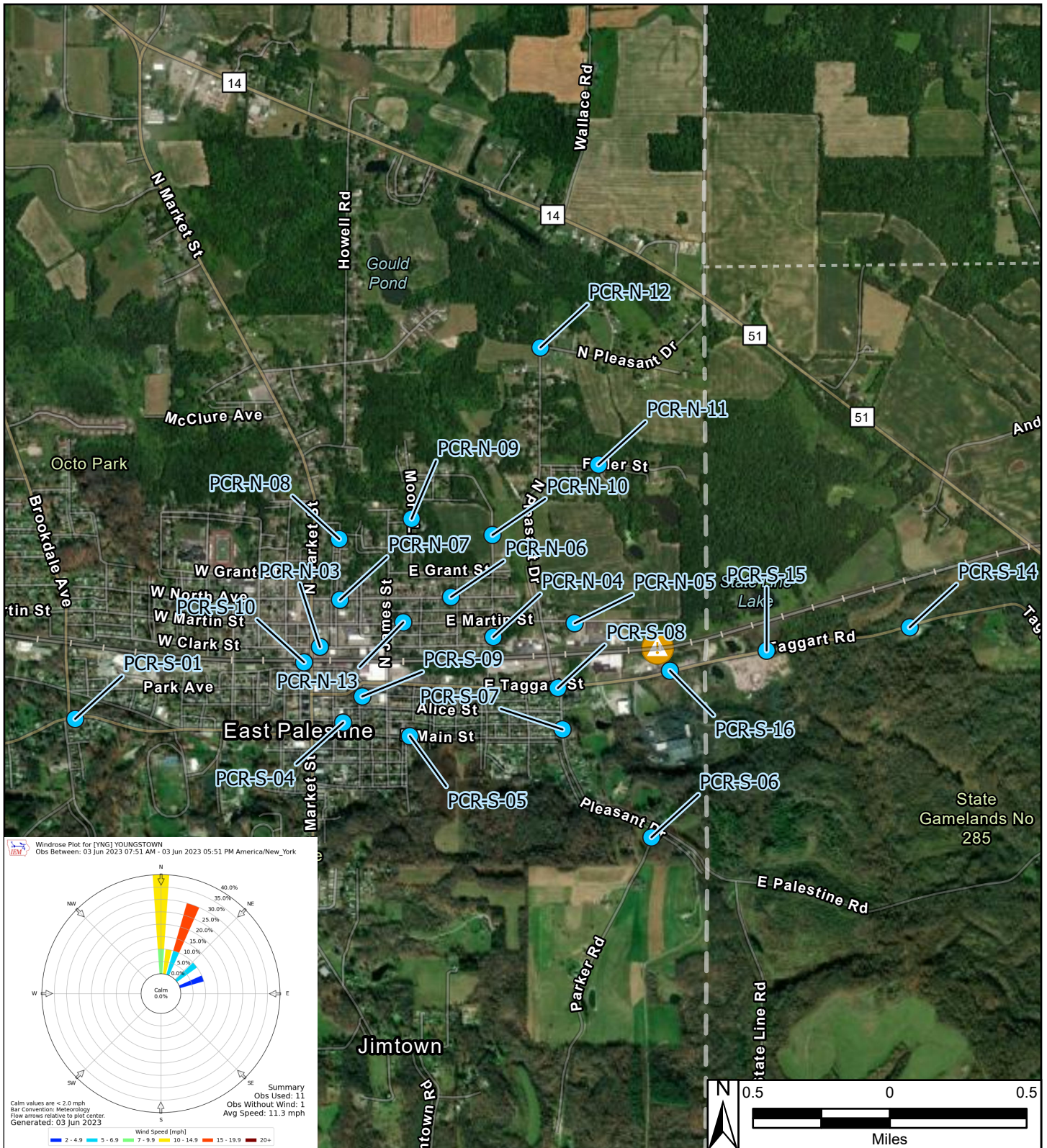
Location	Date/Time	VOC (ppm)	PM <sub>2.5</sub> (mg/m <sup>3</sup> ) <sup>1</sup>	PM <sub>10</sub> (mg/m <sup>3</sup> ) <sup>1</sup>
		Screening Levels		
		0.5 ppm	0.035 mg/m <sup>3</sup>	0.070 mg/m <sup>3</sup>
PCR-S-14	6/3/2023 10:51	0	0.025	0.025
	6/3/2023 16:02	0	0.036	0.038
PCR-S-15	6/3/2023 10:56	0	0.023	0.026
	6/3/2023 16:07	0	0.038	0.039
PCR-S-16	6/3/2023 11:02	0	0.021	0.022
	6/3/2023 16:12	0	0.033	0.039

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.

- mg/m<sup>3</sup> - milligrams per cubic meter
- PM<sub>2.5</sub> - particles that are 2.5 micrometers and smaller
- PM<sub>10</sub> - particles that are 10 micrometers and smaller
- ppm - parts per million
- TWA - time-weighted average
- VOC - volatile organic compounds



**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.