

Table 1
Community Roving Air Monitoring Results Summary Table
East Palestine Derailment Emergency Response
East Palestine, Ohio
Monitoring Period: 05/12/2023 08:17 to 05/12/2023 16:56

Location	Date/Time	VOC (ppm)	PM _{2.5} (mg/m ³) ¹	PM ₁₀ (mg/m ³) ¹
		Screening Levels		
		0.5 ppm	0.035 mg/m ³	0.070 mg/m ³
PCR-N-03	5/12/2023 8:30	0	0.041	0.069
PCR-N-03	5/12/2023 13:01	0	0.021	0.025
PCR-N-03	5/12/2023 16:33	0	0.023	0.03
PCR-N-04	5/12/2023 9:21	0	0.043	0.089
PCR-N-04	5/12/2023 14:34	0	0.026	0.036
PCR-N-05	5/12/2023 9:31	0	0.065	0.156
PCR-N-05	5/12/2023 14:42	0	0.028	0.045
PCR-N-06	5/12/2023 9:00	0	0.032	0.052
PCR-N-06	5/12/2023 14:16	0	0.021	0.025
PCR-N-07	5/12/2023 8:35	0	0.039	0.065
PCR-N-07	5/12/2023 13:05	0	0.02	0.023
PCR-N-07	5/12/2023 16:38	0	0.024	0.028
PCR-N-08	5/12/2023 8:39	0	0.03	0.051
PCR-N-08	5/12/2023 13:11	0	0.02	0.023
PCR-N-08	5/12/2023 16:45	0	0.022	0.026
PCR-N-09	5/12/2023 8:47	0	0.022	0.034
PCR-N-09	5/12/2023 13:19	0	0.013	0.021
PCR-N-09	5/12/2023 16:51	0	0.022	0.026
PCR-N-10	5/12/2023 8:53	0	0.022	0.029
PCR-N-10	5/12/2023 14:00	0	0.021	0.024
PCR-N-10	5/12/2023 16:56	0	0.021	0.025
PCR-N-11	5/12/2023 9:43	0	0.035	0.068
PCR-N-11	5/12/2023 14:52			
PCR-N-11	5/12/2023 14:53	0.01	0.022	0.027
PCR-N-12	5/12/2023 9:54	0	0.026	0.04
PCR-N-12	5/12/2023 14:59	0	0.034	0.059
PCR-N-13	5/12/2023 9:06	0	0.069	0.158
PCR-N-13	5/12/2023 14:25	0	0.028	0.042
PCR-S-01	5/12/2023 12:05	0	0.022	0.028
PCR-S-01	5/12/2023 16:19	0	0.024	0.03
PCR-S-04	5/12/2023 11:50	0	0.022	0.029
PCR-S-04	5/12/2023 16:12	0	0.023	0.027
PCR-S-05	5/12/2023 11:41	0	0.023	0.033
PCR-S-05	5/12/2023 15:59	0	0.023	0.028
PCR-S-06	5/12/2023 11:34	0	0.022	0.024
PCR-S-06	5/12/2023 15:48	0	0.022	0.025
PCR-S-07	5/12/2023 11:27	0	0.02	0.028
PCR-S-07	5/12/2023 15:41	0	0.022	0.027
PCR-S-08	5/12/2023 10:09	0	0.022	0.032
PCR-S-08	5/12/2023 15:10	0	0.025	0.036
PCR-S-09	5/12/2023 11:45	0	0.027	0.027
PCR-S-09	5/12/2023 16:03	0.08	0.026	0.035
PCR-S-10	5/12/2023 8:17	0	0.037	0.049
PCR-S-10	5/12/2023 12:56	0	0.021	0.027
PCR-S-10	5/12/2023 16:27	0	0.022	0.027

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

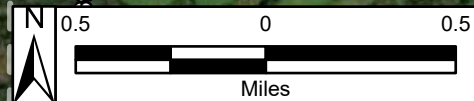
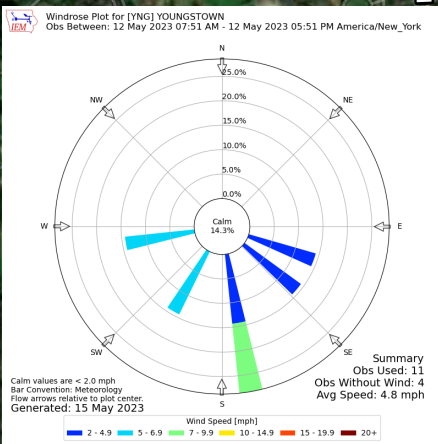
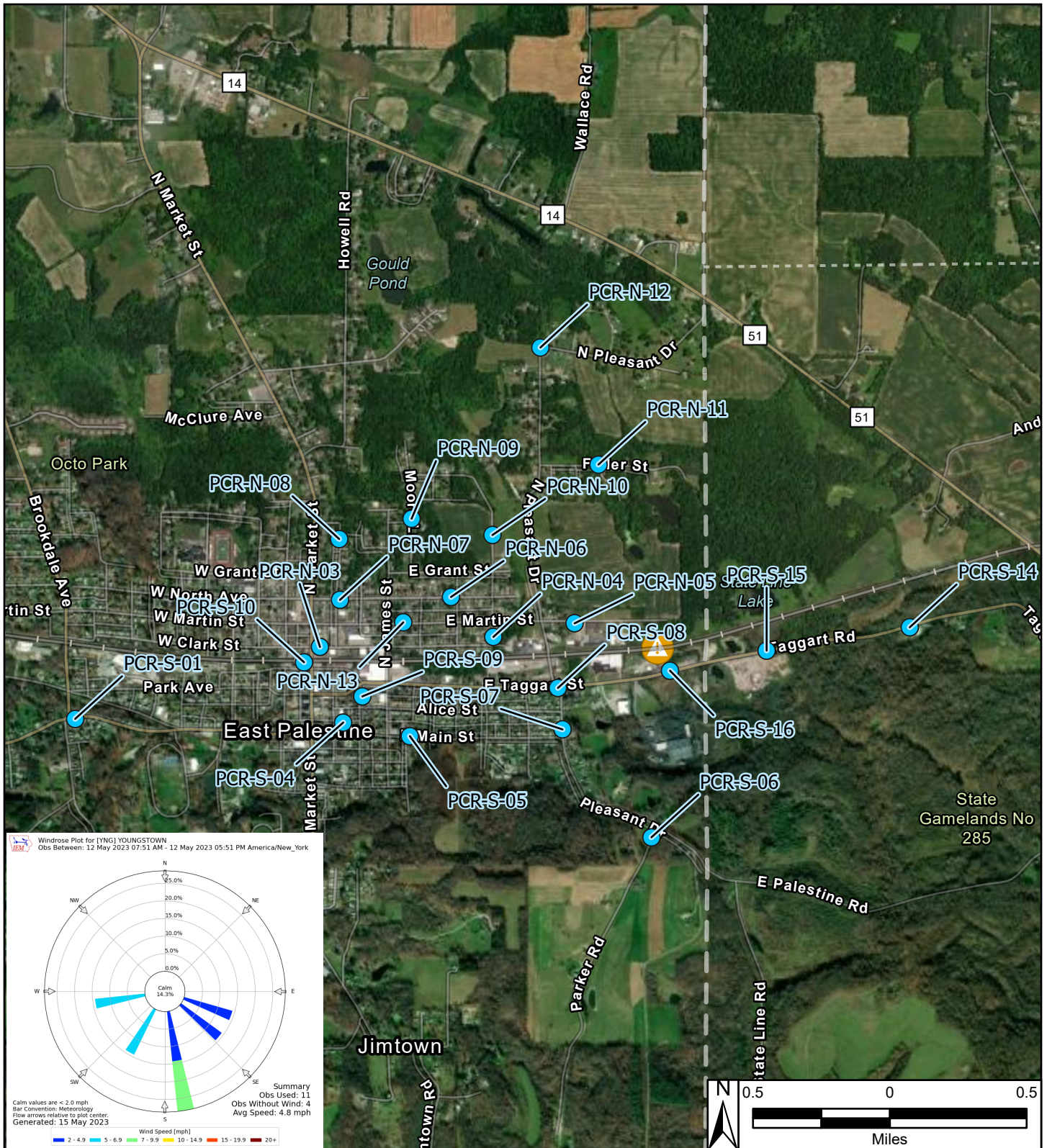
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East Palestine, Ohio
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Location	Date/Time	VOC (ppm)	PM _{2.5} (mg/m ³) ¹	PM ₁₀ (mg/m ³) ¹
		Screening Levels		
		0.5 ppm	0.035 mg/m ³	0.070 mg/m ³
PCR-S-14	5/12/2023 10:17	0	0.023	0.036
PCR-S-14	5/12/2023 15:19	0	0.023	0.029
PCR-S-15	5/12/2023 10:21	0	0.028	0.049
PCR-S-15	5/12/2023 15:28	0	0.025	0.035
PCR-S-16	5/12/2023 10:29	0.01	0.025	0.033
PCR-S-16	5/12/2023 15:35	0	0.026	0.038

Notes:

- Highlighted indicate detections above screening levels
- Grey cells indicate no measurement was collected for that specific parameter
- 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/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
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.