

Table 1
Community Roving Air Monitoring Results Summary Table
East Palestine Derailment Emergency Response
East Palestine, Ohio
Monitoring Period: 06/06/2023 07:56 to 06/06/2023 16:49

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	6/6/2023 8:11	0	0.076	0.086
	6/6/2023 11:34	0	0.082	0.088
	6/6/2023 15:39	0	0.056	0.059
PCR-N-04	6/6/2023 9:28	0	0.079	0.088
	6/6/2023 13:54	0	0.085	0.088
	6/6/2023 16:31	0	0.054	0.056
PCR-N-05	6/6/2023 9:34	0	0.093	0.116
	6/6/2023 14:02	0	0.097	0.127
	6/6/2023 16:39	0	0.056	0.065
PCR-N-06	6/6/2023 13:39	0	0.083	0.087
	6/6/2023 16:18	0	0.055	0.056
PCR-N-07	6/6/2023 8:19	0	0.085	0.107
	6/6/2023 11:38	0	0.092	0.114
	6/6/2023 15:47	0	0.055	0.058
PCR-N-08	6/6/2023 8:23	0	0.071	0.077
	6/6/2023 11:51	0	0.08	0.086
	6/6/2023 15:55	0	0.047	0.052
PCR-N-09	6/6/2023 8:29	0	0.113	0.175
	6/6/2023 11:56	0	0.077	0.081
	6/6/2023 16:03	0	0.054	0.056
PCR-N-10	6/6/2023 8:34	0	0.074	0.079
	6/6/2023 12:02	0	0.082	0.085
	6/6/2023 16:11	0	0.056	0.059
PCR-N-11	6/6/2023 9:42	0		
	6/6/2023 9:43	0	0.088	0.11
	6/6/2023 14:07	0	0.085	0.099
	6/6/2023 16:49	0	0.052	0.056
PCR-N-12	6/6/2023 9:50	0	0.083	0.098
	6/6/2023 14:13	0	0.09	0.113
	6/6/2023 14:23	0	0.08	0.087
PCR-N-13	6/6/2023 8:45	0	0.078	0.085
	6/6/2023 13:47	0		
	6/6/2023 13:48	0	0.086	0.09
	6/6/2023 16:24	0	0.058	0.063
PCR-S-01	6/6/2023 11:19	0	0.089	0.104
	6/6/2023 15:19	0	0.056	0.066

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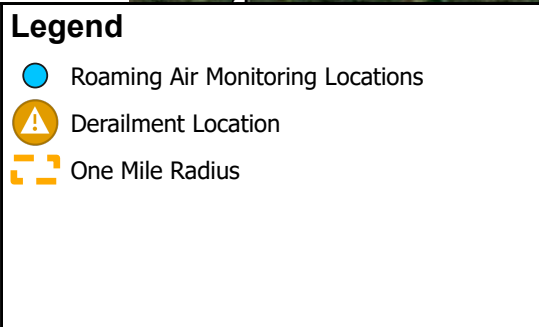
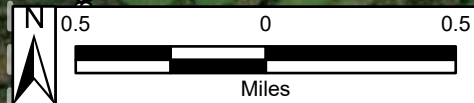
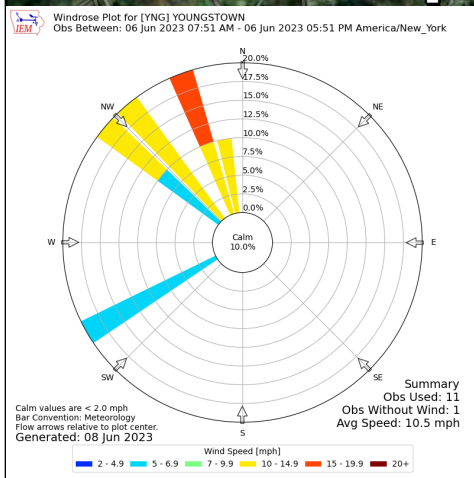
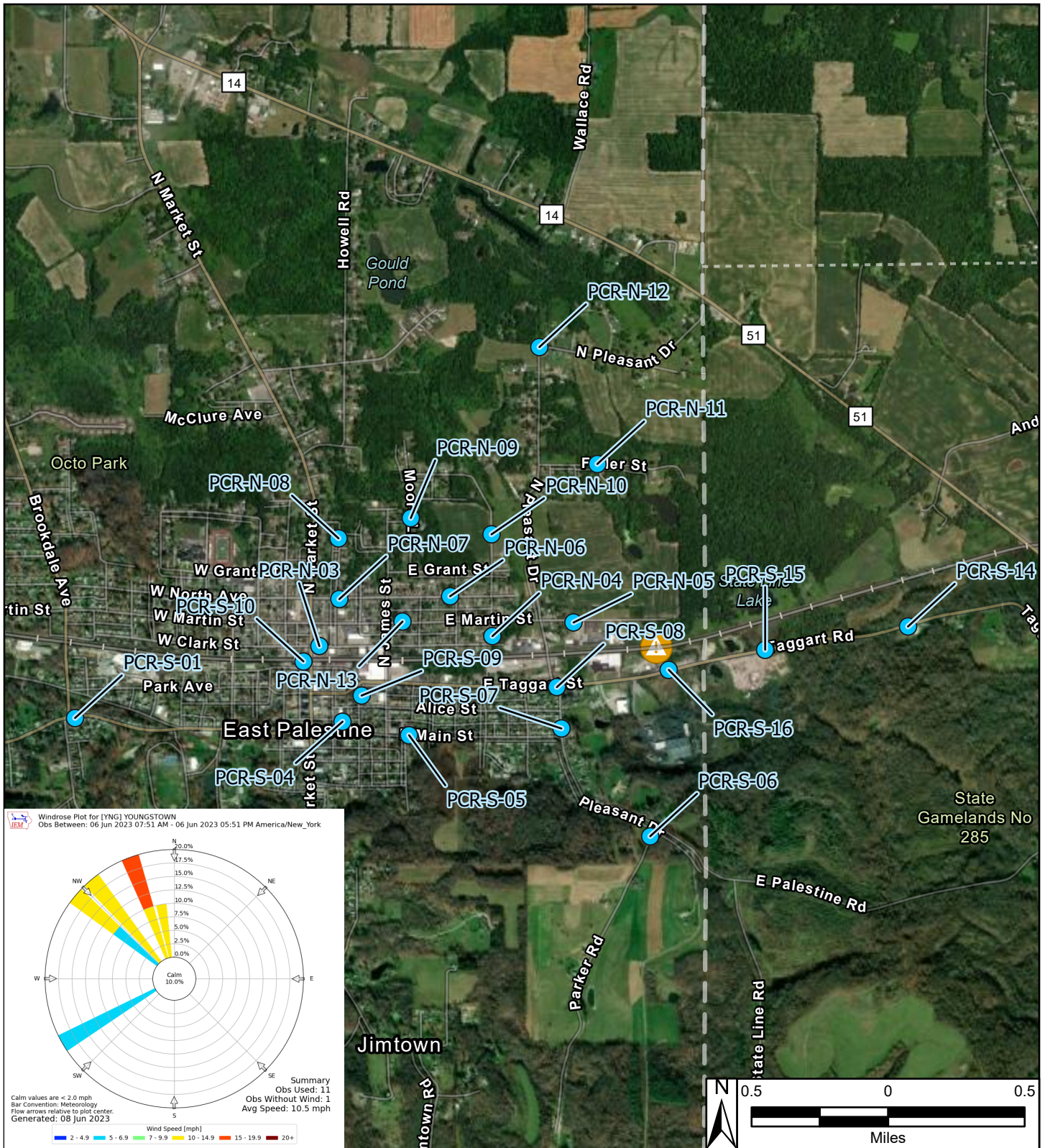
Location	Date/Time	VOC (ppm)	PM _{2.5} (mg/m ³) ¹	PM ₁₀ (mg/m ³) ¹
		Screening Levels		
		0.5 ppm	0.035 mg/m ³	0.070 mg/m ³
PCR-S-04	6/6/2023 10:59	0	0.084	0.093
	6/6/2023 11:11	0	0.085	0.09
	6/6/2023 15:11	0	0.06	0.062
PCR-S-05	6/6/2023 15:02	0	0.064	0.066
PCR-S-06	6/6/2023 10:53	0	0.086	0.094
	6/6/2023 14:56	0	0.066	0.069
PCR-S-07	6/6/2023 10:46	0	0.085	0.09
	6/6/2023 14:50	0	0.069	0.072
PCR-S-08	6/6/2023 10:01	0	0.088	0.107
PCR-S-09	6/6/2023 11:05	0	0.086	0.094
PCR-S-10	6/6/2023 7:56	0	0.07	0.075
	6/6/2023 11:27	0	0.085	0.09
	6/6/2023 15:34	0	0.058	0.06
PCR-S-14	6/6/2023 10:31	0	0.079	0.084
	6/6/2023 14:32	0	0.076	0.078
PCR-S-15	6/6/2023 10:37	0	0.081	0.089
	6/6/2023 14:37	0	0.073	0.074
PCR-S-16	6/6/2023 10:41	0	0.085	0.09
	6/6/2023 14:44	0	0.118	0.181

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



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.