

Table 1
Community Roving Air Monitoring Results Summary Table
East Palestine Derailment Emergency Response
East Palestine, Ohio
Monitoring Period: 03/10/2023 14:10 to 03/11/2023 09:47

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Location	Date/Time	LEL (%)	CO (ppm)	H ₂ S (ppm)	VOC (ppm)	PM _{2.5} (mg/m ³) ¹	PM ₁₀ (mg/m ³) ¹	HCN (ppm)*
		Screening Levels						
		5%	9 ppm	0.1 ppm	0.5 ppm	0.035 mg/m ³	0.035 mg/m ³	1 ppm
PCR-N-03	3/10/2023 14:14	0	0	0	0	0.005	0.006	0
	3/10/2023 17:16	0	0	0	0	0.013	0.013	0
	3/11/2023 8:00	0	0	0	0	0.009	0.009	0
PCR-N-04	3/10/2023 14:52	0	0	0	0	0.008	0.009	0
	3/10/2023 17:55	0	0	0	0	0.012	0.012	0
	3/11/2023 8:36	0	0	0	0	0.007	0.007	0
PCR-N-05	3/10/2023 15:02	0	0	0	0	0.006	0.008	0
	3/10/2023 18:00	0	0	0	0	0.007	0.008	0
	3/11/2023 8:40	0	0	0	0	0.006	0.007	0
PCR-N-06	3/10/2023 14:46	0	0	0	0	0.012	0.012	0
	3/10/2023 17:44	0	0	0	0	0.007	0.007	0
	3/11/2023 8:23	0	0	0	0	0.011	0.011	0
PCR-N-07	3/10/2023 14:22	0	0	0	0	0.005	0.005	0
	3/10/2023 17:20	0	0	0	0	0.01	0.01	0
	3/11/2023 8:04	0	0	0	0	0.007	0.008	0
PCR-N-08	3/10/2023 14:29	0	0	0	0	0.009	0.01	0
	3/10/2023 17:25	0	0	0	0	0.007	0.008	0
	3/11/2023 8:08	0	0	0	0	0.008	0.008	0
PCR-N-09	3/10/2023 14:35	0	0	0	0	0.007	0.007	0
	3/10/2023 17:32	0	0	0	0	0.009	0.009	0
	3/11/2023 8:13	0	0	0	0	0.007	0.007	0
PCR-N-10	3/10/2023 14:41	0	0	0	0	0.007	0.007	0
	3/10/2023 17:40	0	0	0	0	0.009	0.015	0
	3/11/2023 8:18	0	0	0	0	0.008	0.008	0
PCR-N-11	3/10/2023 15:13	0	0	0	0	0.009	0.01	0
	3/11/2023 8:57	0	0	0	0	0.008	0.01	0
PCR-N-12	3/10/2023 15:08	0	0	0	0	0.005	0.006	0
	3/11/2023 8:51	0	0	0	0	0.013	0.013	0

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		Screening Levels						
		5%	9 ppm	0.1 ppm	0.5 ppm	0.035 mg/m ³	0.035 mg/m ³	1 ppm
PCR-N-13	3/10/2023 14:49	0	0	0	0	0.009	0.009	0
	3/10/2023 17:50	0	0	0	0	0.008	0.009	0
	3/11/2023 8:26	0	0	0	0	0.012	0.012	0
PCR-S-01	3/10/2023 16:37	0	0	0	0	0.007	0.007	0
PCR-S-04	3/10/2023 16:17	0	0	0	0	0.006	0.008	0
	3/11/2023 9:44	0	0	0	0	0.007	0.008	0
PCR-S-05	3/10/2023 16:11	0	0	0	0	0.006	0.007	0
	3/11/2023 9:41	0	0	0	0	0.012	0.012	0
PCR-S-06	3/10/2023 16:06	0	0	0	0	0.007	0.007	0
	3/11/2023 9:34	0	0	0	0	0.011	0.011	0
PCR-S-07	3/10/2023 15:59	0	0	0	0	0.005	0.005	0
	3/11/2023 9:29	0	0	0	0	0.01	0.01	0
PCR-S-08	3/10/2023 15:57	0	0	0	0	0.007	0.008	0
	3/11/2023 9:08	0	0	0	0	0.009	0.01	0
PCR-S-09	3/10/2023 16:27	0	0	0	0	0.007	0.008	0
	3/11/2023 9:47	0	0	0	0	0.008	0.008	0
PCR-S-10	3/10/2023 14:10	0	0	0	0	0.007	0.007	0
	3/10/2023 17:09	0	0	0	0	0.009	0.009	0
	3/11/2023 7:56	0	0	0	0	0.007	0.007	0
PCR-S-14	3/10/2023 15:45	0	0	0	0	0.007	0.007	0
	3/11/2023 9:15	0	0	0	0	0.009	0.015	0
PCR-S-15	3/10/2023 15:50	0	0	0	0	0.008	0.008	0
	3/11/2023 9:19	0	0	0	0	0.009	0.01	0
PCR-S-16	3/10/2023 15:38	0	0	0	0	0.008	0.01	0
	3/11/2023 9:25	0	0	0	0	0.008	0.008	0

See notes on last page.

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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.

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

% - percent

CO - carbon monoxide

H₂S - hydrogen sulfide

HCN - hydrogen cyanide

LEL - lower explosive limit

mg/m³ - milligrams per cubic meter

O₂ - oxygen

PM_{2.5} - particles that are 2.5 micrometers and smaller

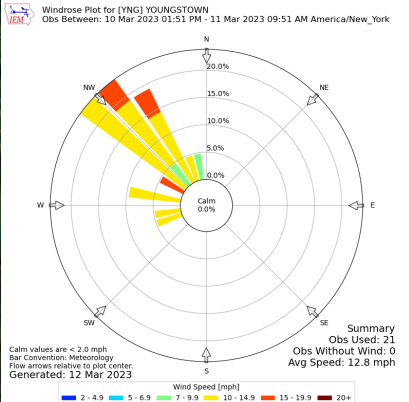
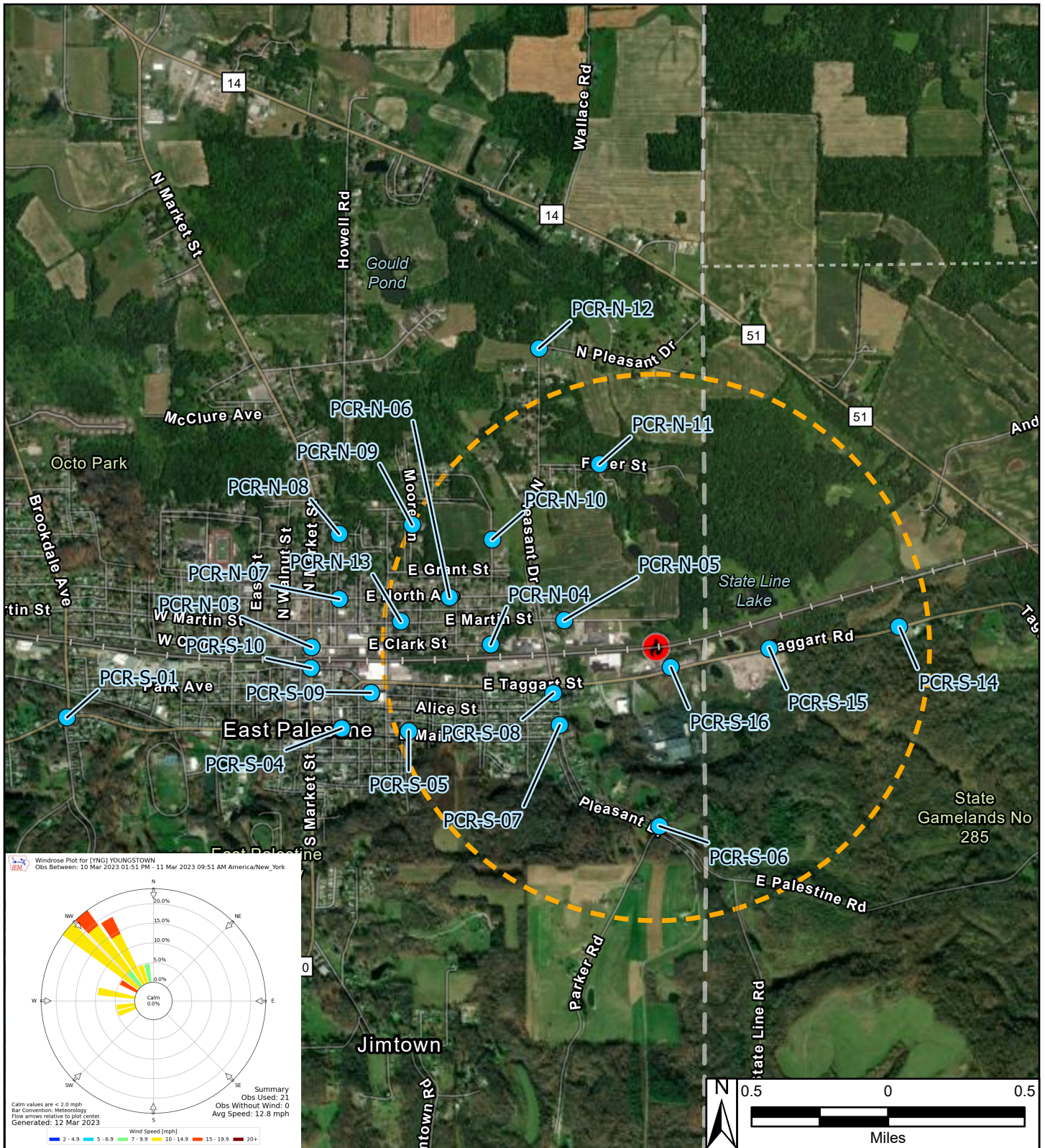
PM₁₀ - particles that are 10 micrometers and smaller

ppm - parts per million

TWA - time-weighted average

VOC - volatile organic compounds

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- Legend**
- Derailment Location
 - One Mile Radius
 - Roaming Air Monitoring Locations

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.