

Table 1
 Roving Air Monitoring Results Summary Table
 East Palestine Derailment Emergency Response
 East Palestine, Ohio
 Monitoring Period: 03/07/2023 07:55 to 03/07/2023 11:26

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	3/7/2023 8:05	0	0	0	0	0.005	0.005	0
PCR-N-04	3/7/2023 8:49	0	0	0	0	0.008	0.008	0
PCR-N-05	3/7/2023 8:53	0	0	0	0	0.006	0.007	0
PCR-N-06	3/7/2023 8:37	0	0	0	0	0.006	0.006	0
PCR-N-07	3/7/2023 8:11	0	0	0	0	0.005	0.005	0
PCR-N-08	3/7/2023 8:19	0	0	0	0	0.007	0.008	0
PCR-N-09	3/7/2023 8:25	0	0	0	0	0.007	0.007	0
PCR-N-10	3/7/2023 8:31	0	0	0	0	0.006	0.006	0
PCR-N-11	3/7/2023 9:25	0	0	0	0	0.011	0.011	0
PCR-N-12	3/7/2023 9:18	0	0	0	0	0.01	0.01	0
PCR-N-13	3/7/2023 8:42	0	0	0	0	0.007	0.008	0
PCR-S-01	3/7/2023 11:26	0	0	0	0	0.005	0.005	0
PCR-S-04	3/7/2023 10:59	0	0	0	0	0.004	0.004	0
PCR-S-05	3/7/2023 10:53	0	0	0	0	0.005	0.006	0
PCR-S-06	3/7/2023 10:41	0	0	0	0	0.007	0.008	0
PCR-S-07	3/7/2023 10:31	0	0	0	0	0.009	0.011	0
PCR-S-08	3/7/2023 9:55	0	0	0	0	0.012	0.013	0
PCR-S-09	3/7/2023 11:06	0	0	0	0	0.006	0.006	0
PCR-S-10	3/7/2023 7:55	0	0	0	0	0.006	0.007	0
PCR-S-14	3/7/2023 9:40	0	0	0	0	0.011	0.011	0
PCR-S-15	3/7/2023 9:44	0	0	0	0	0.013	0.013	0
PCR-S-16	3/7/2023 9:49	0	0	0	0	0.012	0.012	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

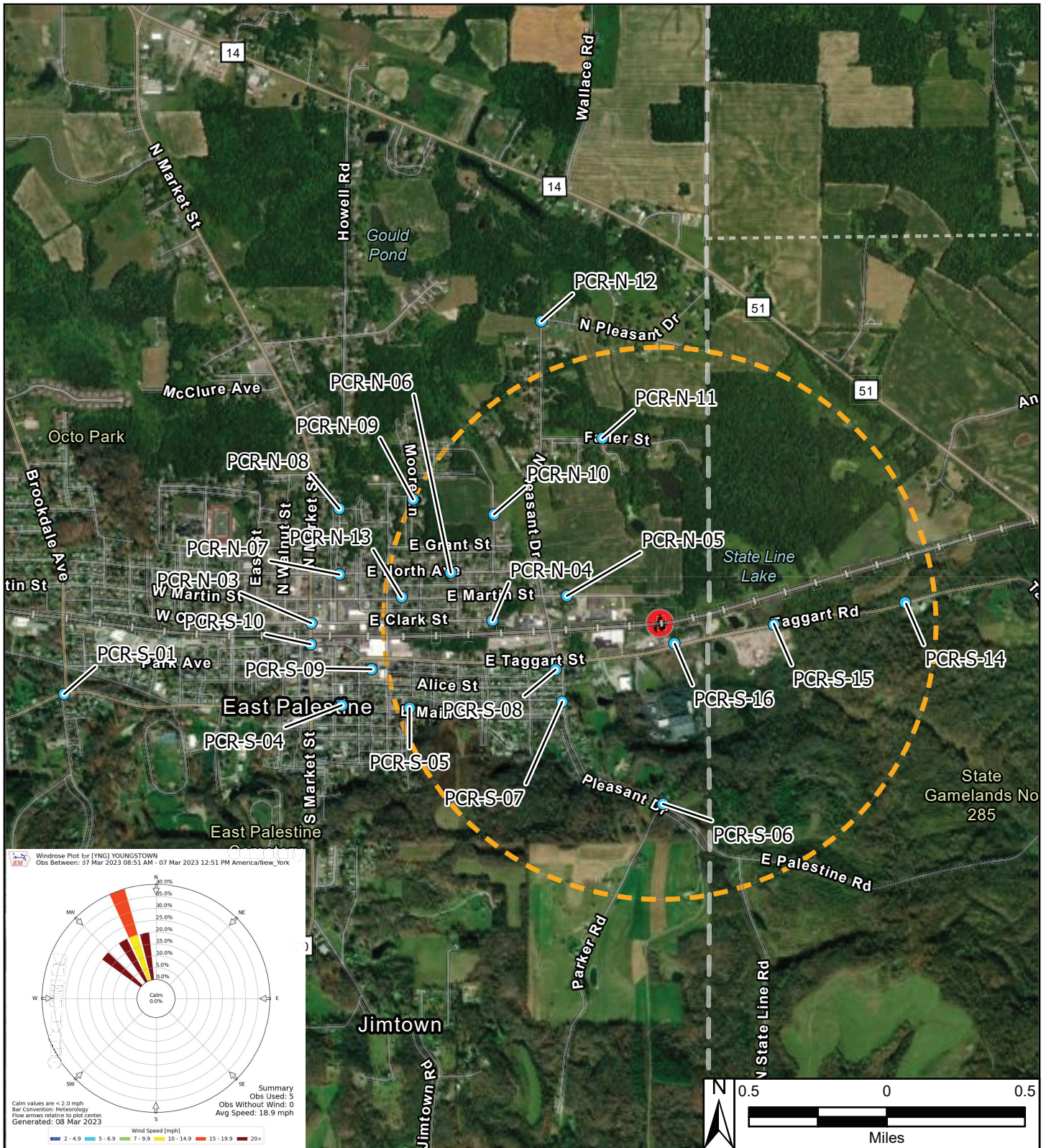
PM_{2.5} - particles that are 2.5 micrometers and smaller

PM₁₀ - particles that are 10 micrometers and smaller

ppm - parts per million

TWA - time-weighted average

VOC - volatile organic compounds



Legend

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

East Palestine Derailment ER Site
 75 E Main St
 East Palestine, Columbiana County, OH 44413

Figure 1
Roaming Air Monitoring Locations



Prepared For: EPA

Prepared By: Tetra Tech Inc.