

Table 1
Roving Air Monitoring Results Summary Table
East Palestine Derailment Emergency Response
East Palestine, Ohio
Monitoring Period: 03/05/2023 08:11 to 03/05/2023 14:37

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	3/5/2023 8:26	0	0	0	0	0.025	0.025	0
	3/5/2023 12:07	0	0	0	0	0.009	0.009	0
PCR-N-04	3/5/2023 9:13	0	0	0	0	0.019	0.019	0
	3/5/2023 12:49	0	0	0	0	0.012	0.013	0
PCR-N-05	3/5/2023 9:18	0	0	0	0	0.02	0.021	0
	3/5/2023 12:55	0	0	0	0	0.013	0.013	0
PCR-N-06	3/5/2023 9:02	0	0	0	0	0.021	0.021	0
	3/5/2023 12:40	0	0	0	0	0.011	0.011	0
PCR-N-07	3/5/2023 8:32	0	0	0	0	0.024	0.024	0
	3/5/2023 12:10	0	0	0	0	0.011	0.011	0
PCR-N-08	3/5/2023 8:40	0	0	0	0	0.018	0.018	0
	3/5/2023 12:15	0	0	0	0	0.006	0.006	0
PCR-N-09	3/5/2023 8:47	0	0	0	0	0.02	0.02	0
	3/5/2023 12:20	0	0	0	0	0.009	0.009	0
PCR-N-10	3/5/2023 8:55	0	0	0	0	0.017	0.017	0
	3/5/2023 12:25	0	0	0	0	0.01	0.01	0
PCR-N-11	3/5/2023 9:23	0	0	0	0	0.021	0.021	0
	3/5/2023 13:15	0	0	0	0	0.008	0.008	0
PCR-N-12	3/5/2023 9:29	0	0	0	0	0.02	0.02	0
	3/5/2023 13:03	0	0	0	0	0.012	0.012	0
PCR-N-13	3/5/2023 9:08	0	0	0	0	0.018	0.018	0
	3/5/2023 12:33	0	0	0	0	0.01	0.01	0
PCR-S-01	3/5/2023 10:18	0	0	0	0	0.014	0.014	0
	3/5/2023 14:10	0	0	0	0	0.01	0.01	0
PCR-S-04	3/5/2023 10:49	0	0	0	0	0.013	0.013	0
	3/5/2023 14:32	0	0	0	0	0.01	0.01	0
PCR-S-05	3/5/2023 10:43	0	0	0	0	0.012	0.012	0
	3/5/2023 14:27	0	0	0	0	0.008	0.008	0
PCR-S-06	3/5/2023 10:25	0	0	0	0	0.01	0.011	0
	3/5/2023 14:15	0	0	0	0	0.007	0.008	0
PCR-S-07	3/5/2023 10:12	0	0	0	0	0.016	0.017	0
	3/5/2023 14:00	0	0	0	0	0.01	0.01	0

Table 1
Roving Air Monitoring Results Summary Table
East Palestine Derailment Emergency Response
East Palestine, Ohio
Monitoring Period: 03/05/2023 08:11 to 03/05/2023 14:37

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-S-08	3/5/2023 10:04	0	0	0	0	0.017	0.017	0
	3/5/2023 13:55	0	0	0	0	0.011	0.011	0
PCR-S-09	3/5/2023 10:55	0	0	0	0	0.012	0.013	0
	3/5/2023 14:37	0	0	0	0	0.007	0.007	0
PCR-S-10	3/5/2023 8:11	0	0	0	0	0.027	0.027	0
	3/5/2023 12:02	0	0	0	0	0.009	0.009	0
PCR-S-14	3/5/2023 9:41	0	0	0	0	0.016	0.016	0
	3/5/2023 13:31	0	0	0	0	0.009	0.01	0
PCR-S-15	3/5/2023 9:50	0	0	0	0	0.018	0.018	0
	3/5/2023 13:37	0	0	0	0	0.01	0.01	0
PCR-S-16	3/5/2023 9:57	0	0	0	0	0.018	0.019	0
	3/5/2023 13:42	0	0	0	0	0.014	0.014	0

See notes on last page.

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

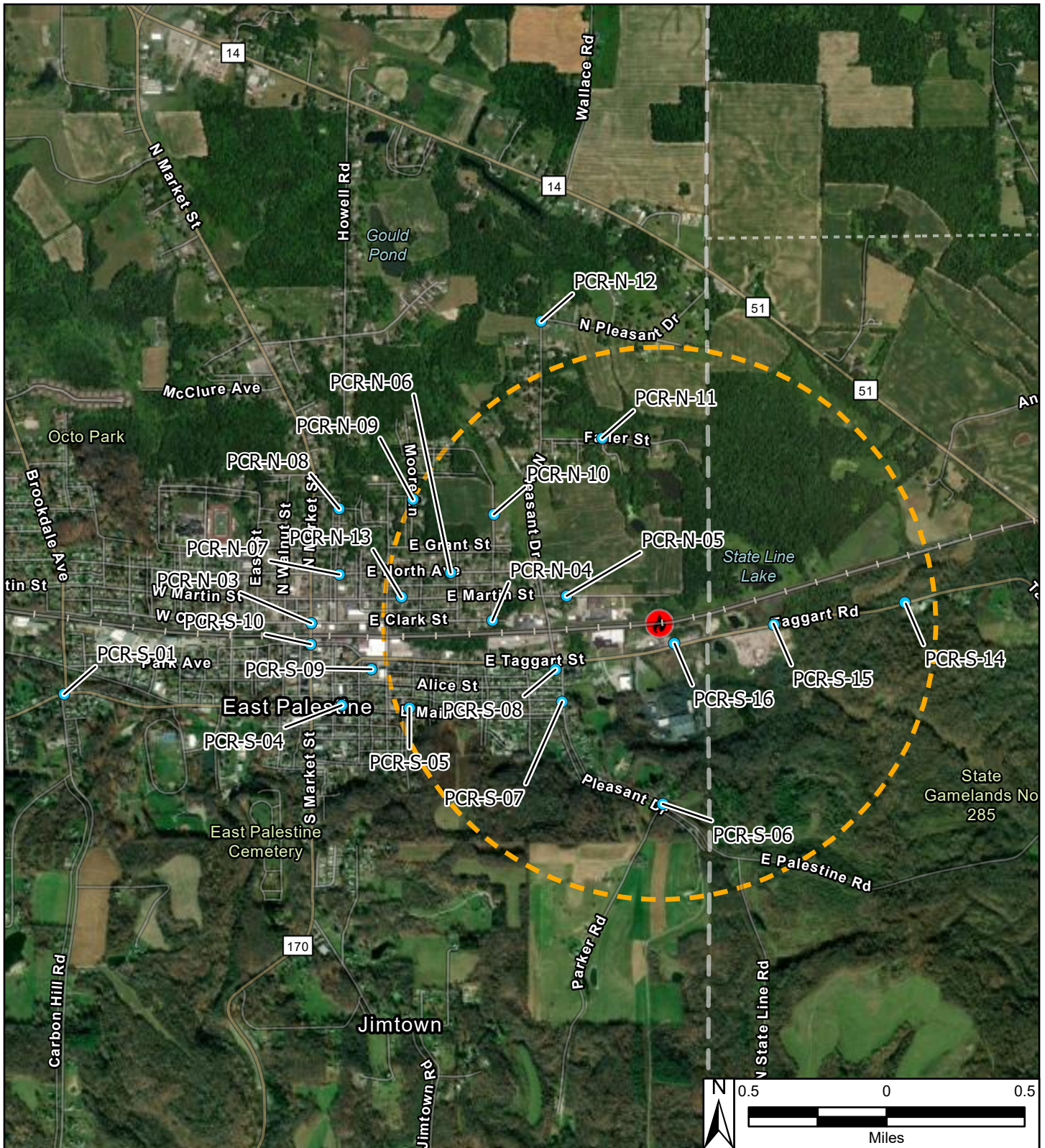
PM_{2.5} - particles that are 2.5 micrometers and smaller

PM₁₀ - particles that are 10 micrometers and smaller

ppm - parts per million

TWA - time-weighted average

VOC - volatile organic compounds



Reference Map



Site Location

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.