

Table 1
Roving Air Monitoring Results Summary Table
East Palestine Derailment Emergency Response
East Palestine, Ohio
Monitoring Period: 03/02/2023 13:14 to 03/02/2023 15:44

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	03/02/2023 09:11	0	0	0	0	0.037	0.038	0
	03/02/2023 13:56	0	0	0	0	0.027	0.027	0
PCR-N-04	03/02/2023 11:37	0	0	0	0	0.027	0.028	0
	03/02/2023 14:48	0	0	0	0	0.019	0.02	0
PCR-N-05	03/02/2023 11:44	0	0	0	0	0.03	0.033	0
	03/02/2023 14:53	0	0	0	0	0.017	0.017	0
PCR-N-06	03/02/2023 11:03	0	0	0	0	0.027	0.03	0
	03/02/2023 14:28	0	0	0	0	0.025	0.026	0
PCR-N-07	03/02/2023 10:03	0	0	0	0	0.035	0.036	0
	03/02/2023 14:03	0	0	0	0	0.026	0.027	0
PCR-N-08	03/02/2023 10:11	0	0	0	0	0.024	0.029	0
	03/02/2023 14:10	0	0	0	0	0.026	0.027	0
PCR-N-09	03/02/2023 11:15	0	0	0	0	0.027	0.028	0
	03/02/2023 14:32	0	0	0	0	0.02	0.021	0
PCR-N-10	03/02/2023 11:25	0	0	0	0	0.025	0.026	0
	03/02/2023 14:42	0	0	0	0	0.022	0.024	0
PCR-N-11	03/02/2023 11:52	0	0	0	0	0.024	0.028	0
	03/02/2023 15:03	0	0	0	0	0.016	0.016	0
PCR-N-12	03/02/2023 11:58	0	0	0	0	0.025	0.027	0
	03/02/2023 15:12	0	0	0	0	0.017	0.018	0
PCR-N-13	03/02/2023 10:52	0	0	0	0	0.028	0.029	0
	03/02/2023 14:17	0	0	0	0	0.021	0.021	0
PCR-S-01	03/02/2023 13:14	0	0	0	0	0.028	0.03	0
	03/02/2023 16:06	0	0	0	0	0.016	0.016	0
PCR-S-04	03/02/2023 13:35	0	0	0	0	0.026	0.027	0
	03/02/2023 16:21	0	0	0	0	0.018	0.02	0
PCR-S-05	03/02/2023 13:28	0	0	0	0	0.029	0.033	0
	03/02/2023 16:16	0	0	0	0	0.017	0.017	0
PCR-S-06	03/02/2023 13:21	0	0	0	0	0.025	0.027	0
	03/02/2023 16:10	0	0	0	0	0.015	0.017	0
PCR-S-07	03/02/2023 13:10	0	0	0	0	0.026	0.028	0
	03/02/2023 16:00	0	0	0	0	0.017	0.02	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-S-08	03/02/2023 13:04	0	0	0	0	0.029	0.031	0
	03/02/2023 15:56	0	0	0	0	0.016	0.017	0
PCR-S-09	03/02/2023 13:40	0	0	0	0	0.025	0.029	0
	03/02/2023 16:26	0	0	0	0	0.02	0.021	0
PCR-S-10	03/02/2023 09:47	0	0	0	0	0.046	0.047	0
	03/02/2023 13:46	0	0	0	0	0.021	0.023	0
PCR-S-14	03/02/2023 12:41	0	0	0	0	0.026	0.029	0
	03/02/2023 15:33	0	0	0	0	0.015	0.017	0
PCR-S-15	03/02/2023 12:48	0	0	0	0	0.038	0.05	0
	03/02/2023 15:38	0	0	0	0	0.015	0.018	0
PCR-S-16	03/02/2023 12:56	0	0	0	0	0.037	0.04	0
	03/02/2023 15:44	0	0	0	0	0.015	0.016	0

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

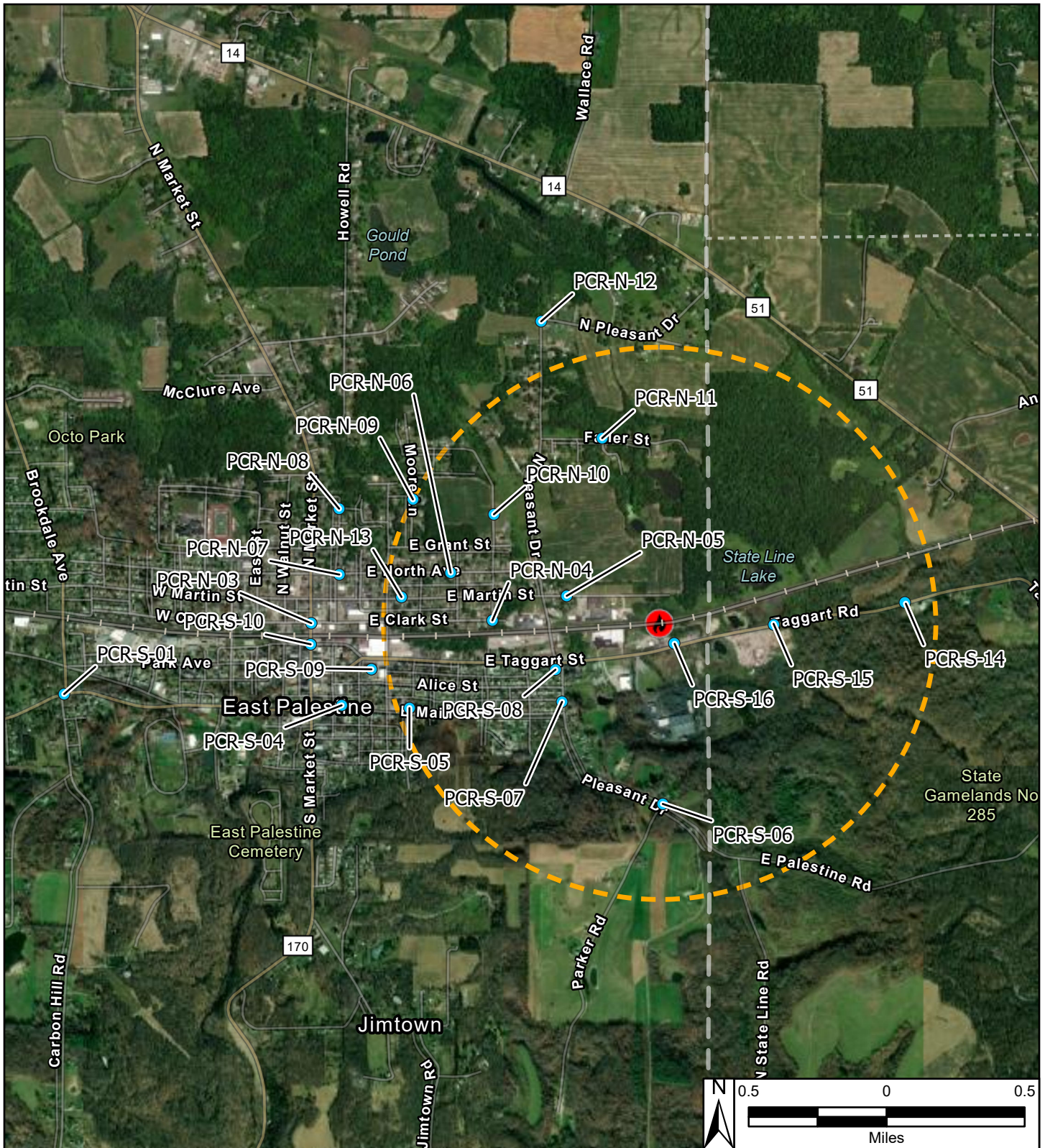
PM_{2.5} - particles that are 2.5 micrometers and smaller

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.