

Table 1
Roving Air Monitoring Results Summary Table
East Palestine Derailment Emergency Response
East Palestine, Ohio
Monitoring Period: 03/01/2023 09:10 to 03/01/2023 11:04

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	03/01/2023 09:28	0	0	0	0	0.014	0.015	0
PCR-N-04	03/01/2023 10:40	0	0	0	0	0.004	0.005	0
PCR-N-05	03/01/2023 10:51	0	0	0	0	0.005	0.009	0
PCR-N-06	03/01/2023 10:29	0	0	0	0	0.003	0.004	0
PCR-N-07	03/01/2023 09:37	0	0	0	0	0.01	0.014	0
PCR-N-08	03/01/2023 10:03	0	0	0	0	0.007	0.009	0
PCR-N-09	03/01/2023 10:11	0	0	0	0	0.005	0.006	0
PCR-N-10	03/01/2023 10:18	0	0	0	0	0.005	0.006	0
PCR-N-11	03/01/2023 10:57	0	0	0	0	0.003	0.004	0
PCR-N-12	03/01/2023 11:04	0	0	0	0	0.003	0.004	0
PCR-N-13	03/01/2023 10:36	0	0	0	0	0.007	0.01	0
PCR-S-10	03/01/2023 09:10	0	0	0	0	0.012	0.011	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

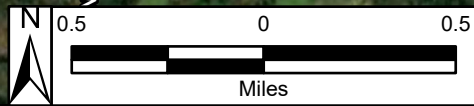
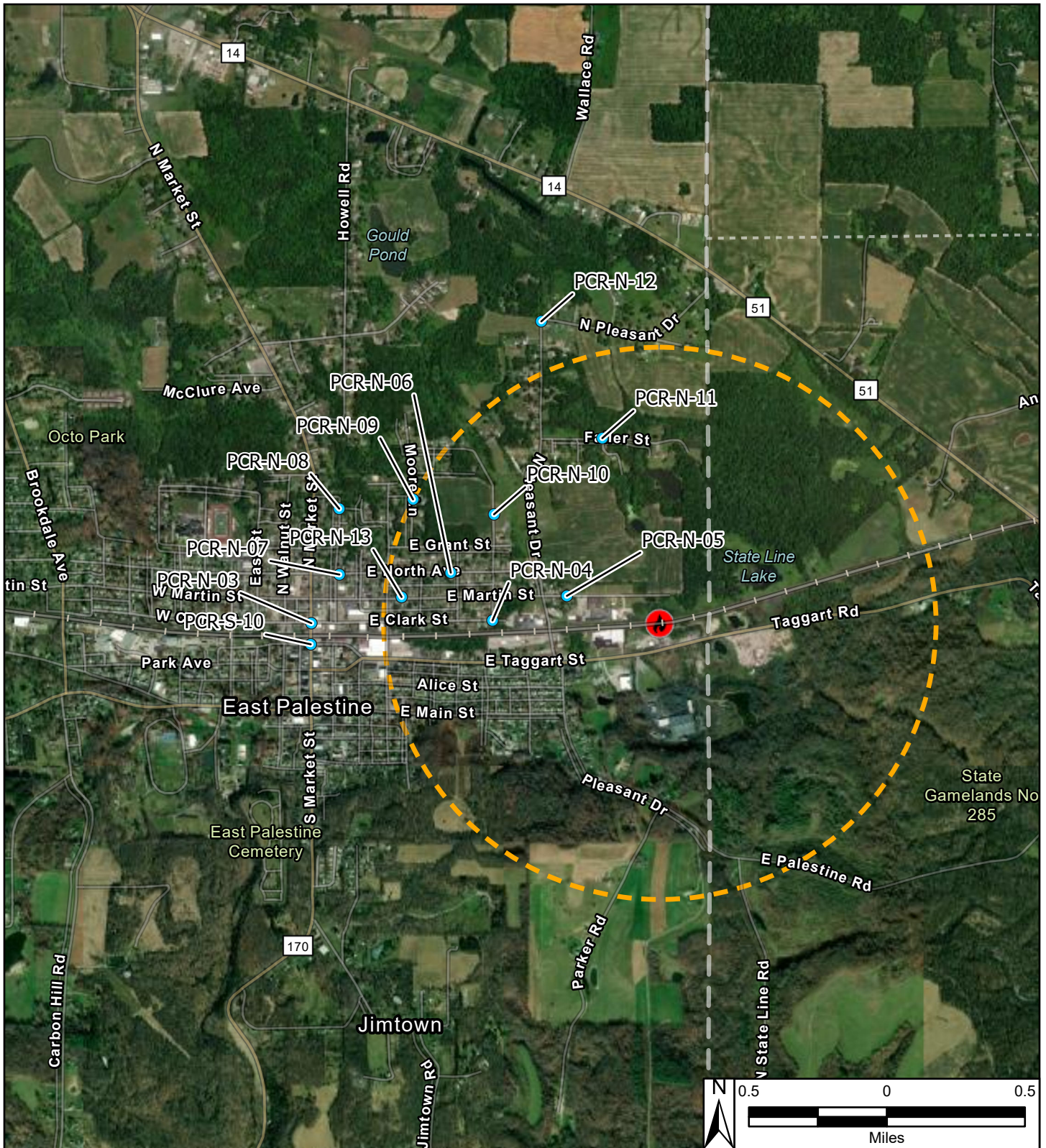
PM_{2.5} - particles that are 2.5 micrometers and smaller

PM₁₀ - particles that are 10 micrometers and smaller

ppm - parts per million

TWA - time-weighted average

VOC - volatile organic compounds



Reference Map



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.