

Table 1
Roving Air Monitoring Results Summary Table
East Palestine Derailment Emergency Response
East Palestine, Ohio
Monitoring Period: 02/23/2023 08:24 to 02/24/2023 11:39

Location	Date/Time	LEL (%)	CO (ppm)	H ₂ S (ppm)	VOC (ppm)	PM _{2.5} (mg/m ³)	PM ₁₀ (mg/m ³)	HCN (ppm)*
		Screening Levels						
		5%	9 ppm	0.1 ppm	0.5 ppm	0.035 mg/m ³ (24-hour TWA)	0.035 mg/m ³ (24-hour TWA)	1 ppm
PCR-NA-01	2/23/2023 15:22	0	0	0	0	0.03	0.043	0
PCR-NA-02	2/23/2023 14:11	0	0	0	0			0
	2/24/2023 10:47	0	0	0	0	0.009	0.011	0
PCR-NA-03	2/23/2023 16:52	0	0	0	0	0.025	0.068	0
PCR-NA-04	2/23/2023 17:09	0	0	0	0	0.012	0.014	0
PCR-NA-05	2/23/2023 16:37	0	0	0	0	0.017	0.024	0
PCR-NA-06	2/23/2023 17:18	0	0	0	0	0.01	0.016	0
PCR-NA-07	2/23/2023 18:02	0	0	0		0.009	0.016	0
PCR-NA-08	2/23/2023 16:20	0	0	0	0	0.008	0.019	0
PCR-NA-09	2/23/2023 15:12	0	0	0	0	0.016	0.035	0
PCR-NA-10	2/23/2023 15:32	0	0	0	0	0.008	0.023	0
PCR-NA-11	2/23/2023 17:53	0	0	0	0	0.015	0.018	0
PCR-NA-12	2/23/2023 17:32	0	0	0	0	0.031	0.049	0
	2/24/2023 11:31	0	0	0	0	0.004	0.009	0
PCR-NA-13	2/23/2023 14:56	0	0	0	0	0.028	0.058	0
PCR-NA-14	2/23/2023 14:45	0	0	0	0	0.014	0.039	0
	2/23/2023 17:40	0	0	0	0	0.21	0.373	0
	2/24/2023 11:01	0	0	0	0	0.002	0.002	0
PCR-NA-15	2/24/2023 11:39	0	0	0	0	0.002	0.002	0
PCR-NA-16	2/23/2023 14:23	0	0	0	0	0.012	0.018	0
PCR-N-02	2/23/2023 13:16	0	0	0	0			0
PCR-N-03	2/23/2023 13:08	0	0	0	0			0
	2/24/2023 9:10	0	0	0	0	0.003	0.004	0
PCR-N-04	2/23/2023 11:52	0	0	0	0			0
	2/24/2023 8:51	0	0	0	0	0.005	0.005	0
PCR-N-05	2/23/2023 11:38	0	0	0	0			0
	2/24/2023 8:37	0	0	0	0	0.007	0.008	0
PCR-N-06	2/23/2023 9:45	0	0	0	0			0
	2/24/2023 8:31	0	0	0	0	0.004	0.004	0
PCR-N-07	2/24/2023 8:19	0	0	0	0	0.005	0.006	0
PCR-N-08	2/23/2023 9:21	0	0	0	0			0
	2/24/2023 8:03	0	0	0	0	0.006	0.007	0
PCR-N-09	2/23/2023 9:08	0	0	0	0			0
	2/24/2023 9:54	0		0	0	0.003	0.004	0
PCR-N-10	2/23/2023 8:54	0	0	0	0			0
	2/24/2023 9:25	0	0	0	0	0.002	0.003	0

See notes on last page.

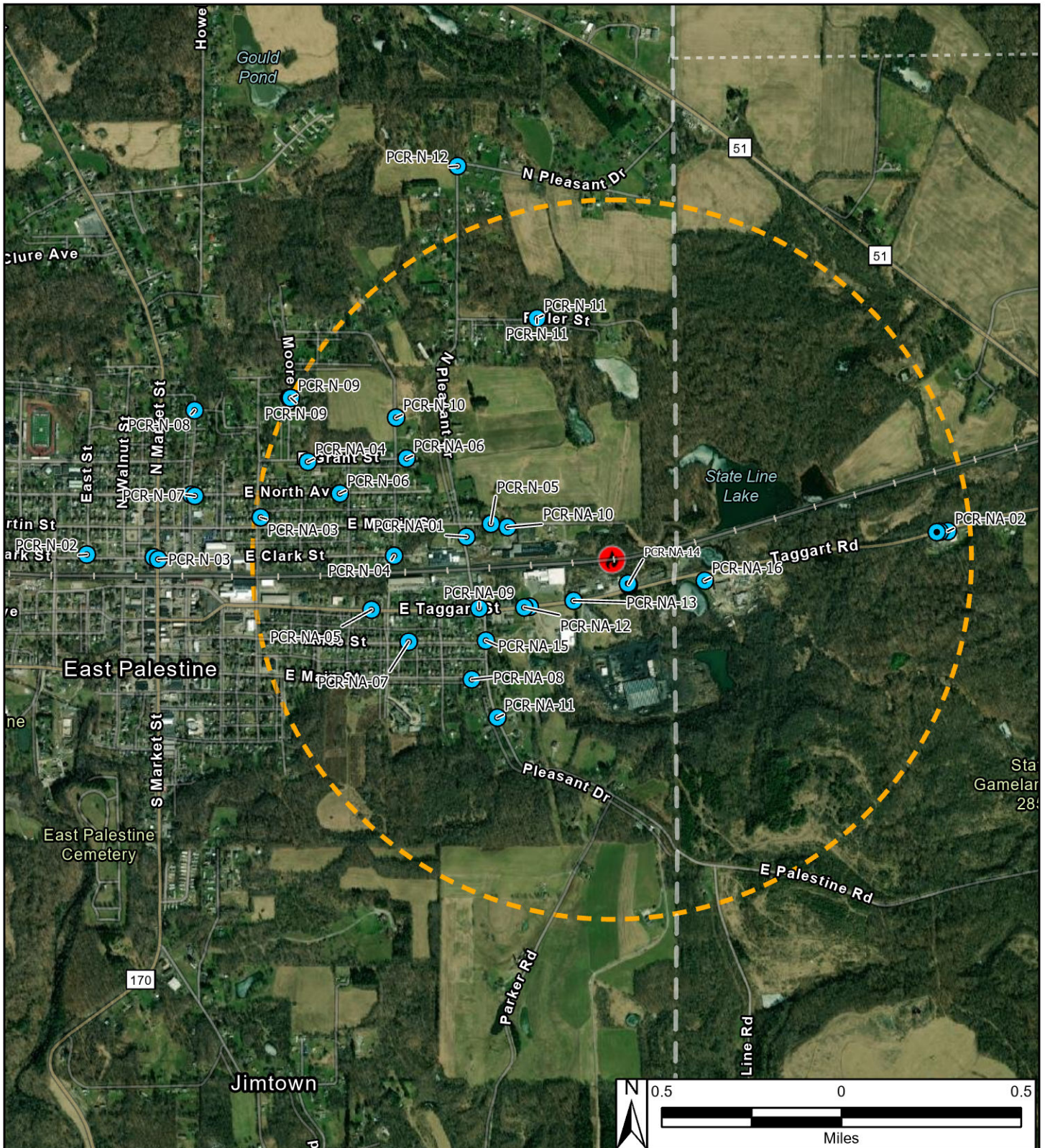
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 East Palestine, Ohio
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Location	Date/Time	LEL (%)	CO (ppm)	H ₂ S (ppm)	VOC (ppm)	PM _{2.5} (mg/m ³)	PM ₁₀ (mg/m ³)	HCN (ppm)*
		Screening Levels						
		5%	9 ppm	0.1 ppm	0.5 ppm	0.035 mg/m ³ (24-hour TWA)	0.035 mg/m ³ (24-hour TWA)	1 ppm
PCR-N-11	2/23/2023 8:41	0	0	0	0			0
PCR-N-12	2/23/2023 8:24	0	0	0	0			0

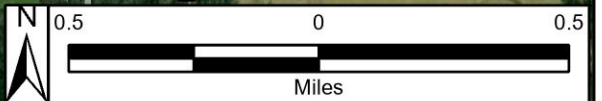
Notes:

- 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



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



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.