

Table 1
Community Roving Air Monitoring Results Summary Table
East Palestine Derailment Emergency Response
East Palestine, Ohio
Monitoring Period: 03/13/2023 16:16 to 03/14/2023 17:48

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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	3/13/2023 17:37	0	0	0	0	0.006	0.006	0
	3/14/2023 10:28	0	0	0	0	0.003	0.003	
	3/14/2023 12:32	0	0	0	0			0
	3/14/2023 16:21	0	0	0	0			
PCR-N-04	3/13/2023 18:26	0	0	0	0	0.009	0.009	0
	3/14/2023 11:06	0	0	0	0	0.002	0.002	
	3/14/2023 15:07	0	0	0	0			
	3/14/2023 16:34	0	0	0	0			
PCR-N-05	3/13/2023 16:24	0	0	0	0	0.013	0.013	0
	3/14/2023 11:16	0	0	0	0	0.003	0.003	
	3/14/2023 15:17	0	0	0	0			
	3/14/2023 16:47	0	0	0	0			
PCR-N-06	3/13/2023 18:21	0	0	0	0	0	0	0
	3/14/2023 10:39	0	0	0	0	0.005	0.005	
	3/14/2023 15:09	0	0	0	0			
	3/14/2023 16:36	0	0	0	0			
PCR-N-07	3/13/2023 17:43	0	0	0	0	0.005	0.005	0
	3/14/2023 10:33	0	0	0	0	0.004	0.005	
	3/14/2023 12:38	0	0	0	0			0
	3/14/2023 16:24	0	0	0	0			
	3/14/2023 16:29	0	0	0	0			
PCR-N-08	3/13/2023 17:49	0	0	0	0	0.004	0.004	0
	3/14/2023 10:55	0	0	0	0	0.003	0.003	
	3/14/2023 12:41	0	0	0	0			0
PCR-N-09	3/13/2023 17:55	0	0	0	0	0.006	0.006	0
	3/14/2023 10:49	0	0	0	0	0.003	0.005	
	3/14/2023 15:10	0	0	0	0			
	3/14/2023 16:42	0	0	0	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-N-10	3/14/2023 10:44				0			
	3/14/2023 10:45	0	0	0	0	0.003	0.003	
	3/14/2023 15:15	0	0	0	0			
	3/14/2023 16:39	0	0	0	0			
PCR-N-11	3/13/2023 16:16	0	0	0	0	0.012	0.012	0
	3/14/2023 11:22	0	0	0	0	0.002	0.002	
	3/14/2023 15:20	0	0	0	0			
	3/14/2023 17:10	0	0	0	0			
PCR-N-12	3/14/2023 11:30	0	0	0	0	0.002	0.003	
	3/14/2023 15:22	0	0	0	0			
	3/14/2023 17:21	0	0	0	0			
PCR-N-13	3/13/2023 18:03	0	0	0	0	0.006	0.006	0
	3/14/2023 11:02	0	0	0	0	0.002	0.002	
	3/14/2023 15:03	0	0	0	0			
	3/14/2023 16:32	0	0	0	0			
PCR-S-01	3/13/2023 17:16	0	0	0	0	0.008	0.008	0
	3/14/2023 7:45	0	0	0	0	0.006	0.006	
	3/14/2023 12:17	0	0	0	0			0
	3/14/2023 16:52	0	0	0	0			
PCR-S-04	3/13/2023 17:27	0	0	0	0	0.008	0.008	0
	3/14/2023 7:56	0	0	0	0	0.005	0.005	
	3/14/2023 14:32	0	0	0	0			
	3/14/2023 16:58	0	0	0	0			
PCR-S-05	3/13/2023 18:15	0	0	0	0	0.006	0.006	0
	3/14/2023 8:20	0	0	0	0	0.005	0.005	
	3/14/2023 14:42	0	0	0	0			
	3/14/2023 17:04	0	0	0	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-06	3/13/2023 16:47	0	0	0	0	0.011	0.012	0
	3/14/2023 10:00	0	0	0	0	0.002	0.002	
	3/14/2023 15:59	0	0	0	0			
	3/14/2023 17:48	0	0	0	0			
PCR-S-07	3/13/2023 16:41	0	0	0	0	0.009	0.009	0
	3/14/2023 8:27	0	0	0	0	0.004	0.004	
	3/14/2023 15:46	0	0	0	0			
	3/14/2023 17:45	0	0	0	0			
PCR-S-08	3/13/2023 16:33	0	0	0	0	0.011	0.011	0
	3/14/2023 8:37	0	0	0	0	0.004	0.004	
	3/14/2023 15:41	0	0	0	0			
	3/14/2023 17:41	0	0	0	0			
PCR-S-09	3/13/2023 18:10	0	0	0	0	0.006	0.006	0
	3/14/2023 8:02	0	0	0	0	0.005	0.005	
	3/14/2023 14:46	0	0	0	0			
	3/14/2023 17:00	0	0	0	0			
PCR-S-10	3/13/2023 17:34	0	0	0	0	0.006	0.006	0
	3/14/2023 10:11	0	0	0	0	0.003	0.003	
	3/14/2023 12:29	0	0	0	0			0
	3/14/2023 16:16	0	0	0	0			
PCR-S-14	3/13/2023 17:06	0	0	0	0	0.01	0.01	0
	3/14/2023 9:50	0	0	0	0	0.003	0.003	
	3/14/2023 15:27	0	0	0	0			
	3/14/2023 17:28	0	0	0	0			
PCR-S-15	3/13/2023 17:01	0	0	0	0	0.01	0.01	0
	3/14/2023 9:30	0	0	0	0	0.009	0.012	
	3/14/2023 15:34	0	0	0	0			
	3/14/2023 17:31	0	0	0	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-16	3/13/2023 16:54	0	0	0	0	0.008	0.009	0
	3/14/2023 9:16	0	0	0	0	0.004	0.004	
	3/14/2023 15:36	0	0	0	0			
	3/14/2023 17:34	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

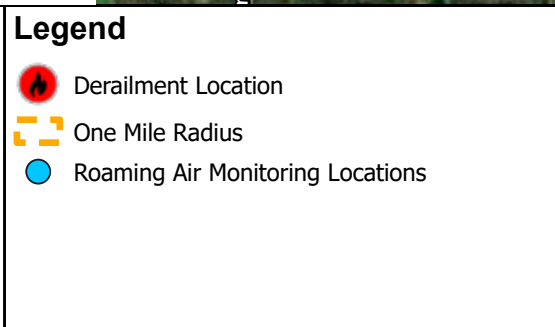
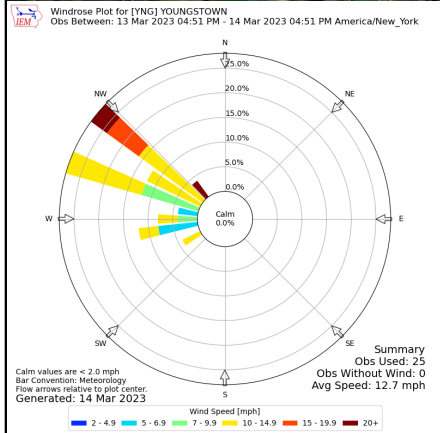
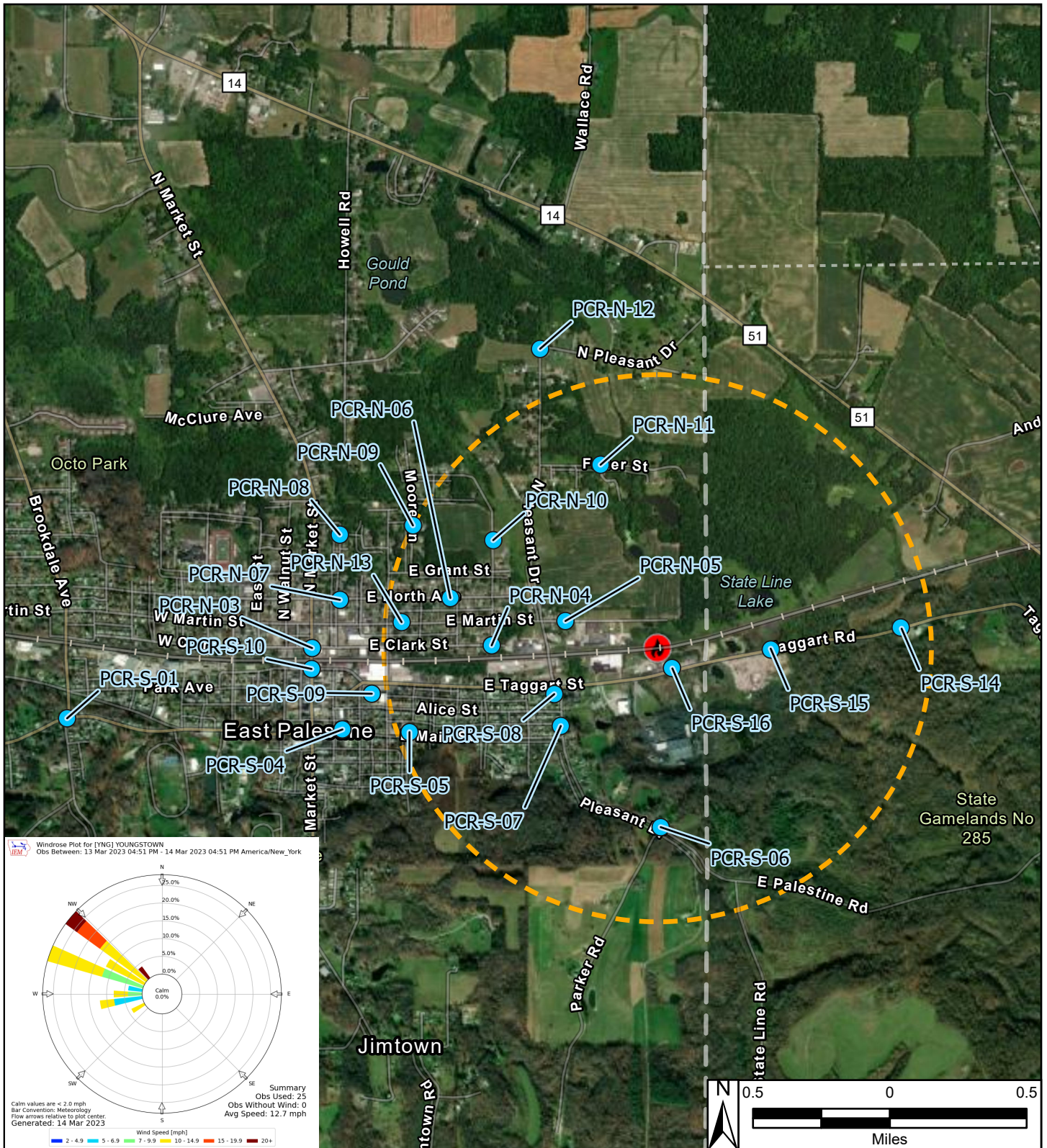
PM₁₀ - particles that are 10 micrometers and smaller

ppm - parts per million

TWA - time-weighted average

VOC - volatile organic compounds

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East Palestine Derailment ER Site
 East Palestine, Columbiana County, OH 44413

Figure 1
Roaming Air Monitoring Community Locations

Prepared For: EPA | Prepared By: Tetra Tech Inc.