

Table 1  
Community Roving Air Monitoring Results Summary Table  
East Palestine Derailment Emergency Response  
East Palestine, Ohio  
Monitoring Period: 03/11/2023 10:04 to 03/12/2023 08:56

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Location	Date/Time	LEL (%)	CO (ppm)	H <sub>2</sub> S (ppm)	VOC (ppm)	PM <sub>2.5</sub> (mg/m <sup>3</sup> ) <sup>1</sup>	PM <sub>10</sub> (mg/m <sup>3</sup> ) <sup>1</sup>	HCN (ppm)*
		Screening Levels						
		5%	9 ppm	0.1 ppm	0.5 ppm	0.035 mg/m <sup>3</sup>	0.035 mg/m <sup>3</sup>	1 ppm
PCR-N-03	3/11/2023 10:15	0	0	0	0	0.005	0.006	0
	3/11/2023 13:25	0	0	0	0	0.013	0.013	0
	3/11/2023 13:31	0	0	0	0	0.009	0.009	0
	3/12/2023 8:11	0	0	0	0	0.008	0.009	0
PCR-N-04	3/11/2023 11:02	0	0	0	0	0.012	0.012	0
	3/11/2023 14:15	0	0	0	0	0.007	0.007	0
	3/12/2023 8:56	0	0	0	0	0.006	0.008	0
PCR-N-05	3/11/2023 11:06	0	0	0	0	0.007	0.008	0
	3/11/2023 14:22	0	0	0	0	0.006	0.007	0
PCR-N-06	3/11/2023 10:55	0	0	0	0	0.012	0.012	0
	3/11/2023 14:02	0	0	0	0	0.007	0.007	0
	3/12/2023 8:46	0	0	0	0	0.011	0.011	0
PCR-N-07	3/11/2023 10:18	0	0	0	0	0.005	0.005	0
	3/12/2023 8:19	0	0	0	0	0.01	0.01	0
PCR-N-08	3/11/2023 10:23	0	0	0	0	0.007	0.008	0
	3/11/2023 13:35	0	0	0	0	0.009	0.01	0
	3/12/2023 8:23	0	0	0	0	0.007	0.008	0
PCR-N-09	3/11/2023 10:27	0	0	0	0	0.008	0.008	0
	3/11/2023 13:41	0	0	0	0	0.007	0.007	0
	3/12/2023 8:29	0	0	0	0	0.009	0.009	0
PCR-N-10	3/11/2023 10:50	0	0	0	0	0.007	0.007	0
	3/11/2023 13:55	0	0	0	0	0.007	0.007	0
	3/12/2023 8:38	0	0	0	0	0.009	0.015	0
PCR-N-11	3/11/2023 11:15	0	0	0	0	0.008	0.008	0
	3/11/2023 14:31	0	0	0	0	0.009	0.01	0
PCR-N-12	3/11/2023 11:10	0	0	0	0	0.008	0.01	0
	3/11/2023 14:27	0	0	0	0	0.008	0.008	0

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		Screening Levels						
		5%	9 ppm	0.1 ppm	0.5 ppm	0.035 mg/m <sup>3</sup>	0.035 mg/m <sup>3</sup>	1 ppm
PCR-N-13	3/11/2023 10:59	0	0	0	0	0.009	0.009	0
	3/11/2023 14:09	0	0	0	0	0.008	0.009	0
	3/12/2023 8:51	0	0	0	0	0.009	0.009	0
PCR-S-01	3/11/2023 10:04	0	0	0	0	0.009	0.009	0
	3/11/2023 12:06	0	0	0	0	0.008	0.009	0
	3/11/2023 16:23	0	0	0	0	0.012	0.012	0
PCR-S-04	3/11/2023 11:58	0	0	0	0	0.007	0.007	0
	3/11/2023 16:08	0	0	0	0	0.006	0.008	0
PCR-S-05	3/11/2023 11:55	0	0	0	0	0.007	0.008	0
	3/11/2023 16:02	0	0	0	0	0.006	0.007	0
	3/11/2023 17:52	0	0	0	0	0.012	0.012	0
PCR-S-06	3/11/2023 11:51	0	0	0	0	0.007	0.007	0
	3/11/2023 15:53	0	0	0	0	0.011	0.011	0
	3/11/2023 17:40	0	0	0	0	0.005	0.005	0
PCR-S-07	3/11/2023 11:47	0	0	0	0	0.01	0.01	0
	3/11/2023 15:46	0	0	0	0	0.007	0.008	0
	3/11/2023 17:34	0	0	0	0	0.009	0.01	0
PCR-S-08	3/11/2023 11:24	0	0	0	0	0.007	0.008	0
	3/11/2023 15:41	0	0	0	0	0.008	0.008	0
	3/11/2023 17:28	0	0	0	0	0.007	0.007	0
PCR-S-09	3/11/2023 12:01	0	0	0	0	0.009	0.009	0
	3/11/2023 16:15	0	0	0	0	0.007	0.007	0
PCR-S-10	3/11/2023 10:11	0	0	0	0	0.007	0.007	0
	3/11/2023 13:13	0	0	0	0	0.009	0.015	0
	3/12/2023 8:05	0	0	0	0	0.008	0.008	0
PCR-S-14	3/11/2023 11:36	0	0	0	0	0.009	0.01	0
	3/11/2023 15:06	0	0	0	0	0.008	0.01	0
	3/11/2023 17:06	0	0	0	0	0.008	0.008	0

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		Screening Levels						
		5%	9 ppm	0.1 ppm	0.5 ppm	0.035 mg/m <sup>3</sup>	0.035 mg/m <sup>3</sup>	1 ppm
PCR-S-15	3/11/2023 11:38	0	0	0	0	0.009	0.009	0
	3/11/2023 15:35	0	0	0	0	0.008	0.009	0
	3/11/2023 17:15	0	0	0	0	0.009	0.009	0
PCR-S-16	3/11/2023 11:43	0	0	0	0	0.009	0.014	0
	3/11/2023 14:54	0	0	0	0	0.011	0.011	0
	3/11/2023 17:22	0	0	0	0	0.011	0.013	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

H<sub>2</sub>S - hydrogen sulfide

HCN - hydrogen cyanide

LEL - lower explosive limit

mg/m<sup>3</sup> - milligrams per cubic meter

O<sub>2</sub> - oxygen

PM<sub>2.5</sub> - particles that are 2.5 micrometers and smaller

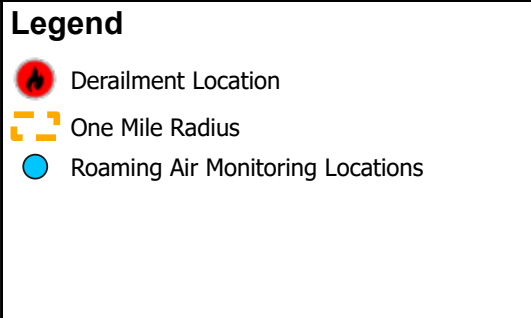
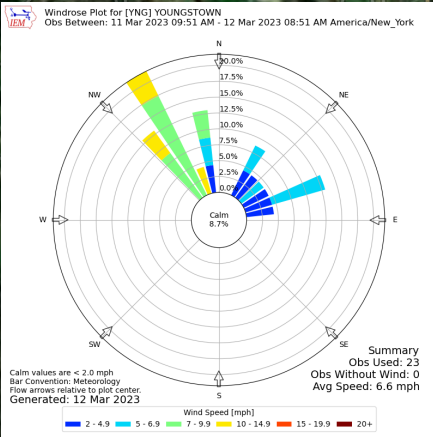
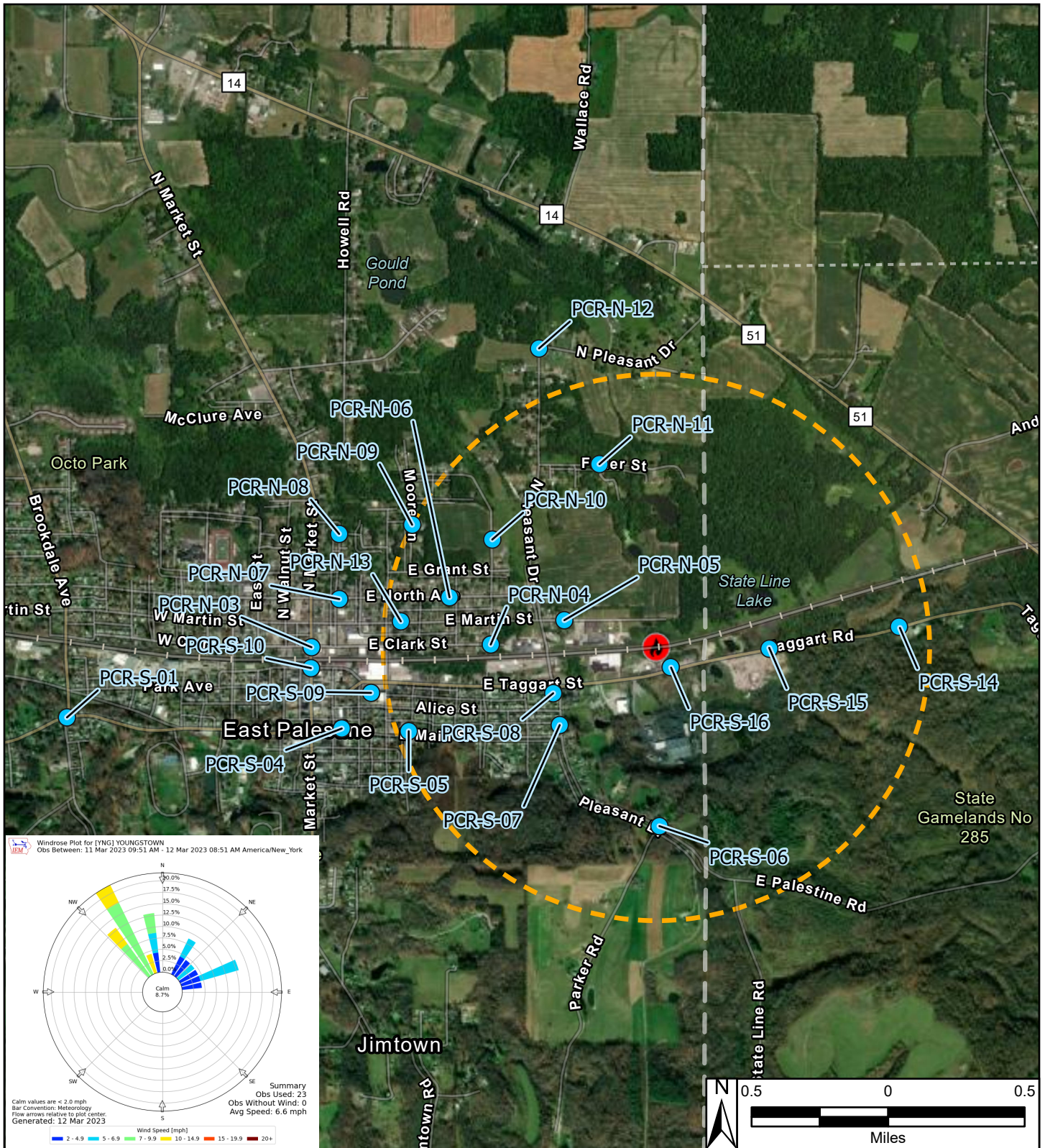
PM<sub>10</sub> - particles that are 10 micrometers and smaller

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.