

Table 1  
 Community Roving Air Monitoring Results Summary Table  
 East Palestine Derailment Emergency Response  
 East Palestine, Ohio  
 Monitoring Period: 03/20/2023 08:58 to 03/20/2023 17:20

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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>
		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>
PCR-N-03	3/20/2023 9:03	0	0	0	0	0.06	0.06
	3/20/2023 13:11	0	0	0	0	0.008	0.008
	3/20/2023 15:46	0	0	0	0	0.007	0.008
PCR-N-04	3/20/2023 9:43	0	0	0	0	0.013	0.014
	3/20/2023 13:52	0	0	0	0	0.008	0.009
	3/20/2023 16:14	0	0	0	0	0.012	0.014
PCR-N-05	3/20/2023 9:46	0	0	0	0	0.013	0.014
	3/20/2023 13:57	0	0	0	0	0.007	0.008
	3/20/2023 16:18	0	0	0	0	0.008	0.009
PCR-N-06	3/20/2023 9:33	0	0	0	0	0.013	0.013
	3/20/2023 13:43	0	0	0	0	0.007	0.008
	3/20/2023 16:07	0	0	0	0	0.008	0.008
PCR-N-07	3/20/2023 9:13	0	0	0	0	0.017	0.017
	3/20/2023 13:26	0	0	0	0	0.007	0.007
	3/20/2023 15:50	0	0	0	0	0.008	0.009
PCR-N-08	3/20/2023 9:17	0	0	0	0	0.015	0.013
	3/20/2023 13:31	0	0	0	0	0.007	0.008
	3/20/2023 15:55	0	0	0	0	0.007	0.008
PCR-N-09	3/20/2023 9:23	0	0	0	0	0.013	0.013
	3/20/2023 13:34	0	0	0	0	0.007	0.008
	3/20/2023 15:59	0	0	0	0	0.008	0.009
PCR-N-10	3/20/2023 9:27	0	0	0	0	0.013	0.013
	3/20/2023 13:39	0	0	0	0	0.007	0.008
	3/20/2023 16:03	0	0	0	0	0.008	0.009

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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>
PCR-N-11	3/20/2023 9:55	0	0	0	0	0.013	0.013
	3/20/2023 14:00	0	0	0	0	0.008	0.009
	3/20/2023 16:22	0	0	0	0	0.008	0.009
PCR-N-12	3/20/2023 9:57	0	0	0	0	0.014	0.015
	3/20/2023 14:05	0	0	0	0	0.007	0.007
	3/20/2023 16:27	0	0	0	0	0.008	0.011
	3/20/2023 9:38	0	0	0	0	0.013	0.014
PCR-N-13	3/20/2023 13:48	0	0	0	0	0.008	0.008
	3/20/2023 16:10	0	0	0	0	0.012	0.013
PCR-S-01	3/20/2023 10:57	0	0	0	0	0.012	0.013
	3/20/2023 17:20	0	0	0	0	0.008	0.009
PCR-S-04	3/20/2023 10:48	0	0	0	0	0.013	0.015
	3/20/2023 15:00	0	0	0	0	0.009	0.009
	3/20/2023 15:04	0	0	0	0	0.009	0.009
	3/20/2023 17:16	0	0	0	0	0.01	0.013
PCR-S-05	3/20/2023 10:42	0	0	0	0	0.012	0.012
	3/20/2023 14:49	0	0	0	0	0.008	0.008
	3/20/2023 17:02	0	0	0	0	0.009	0.014
PCR-S-06	3/20/2023 10:37	0	0	0	0	0.013	0.015
	3/20/2023 14:44	0	0	0	0	0.008	0.008
	3/20/2023 16:56	0	0	0	0	0.013	0.013
PCR-S-07	3/20/2023 10:32	0	0	0	0	0.012	0.001
	3/20/2023 14:39	0	0	0	0	0.009	0.011
	3/20/2023 16:52	0	0	0	0	0.008	0.009

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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>
PCR-S-08	3/20/2023 10:02	0	0	0	0	0.013	0.014
	3/20/2023 14:09	0	0	0	0	0.008	0.008
	3/20/2023 16:32	0	0	0	0	0.008	0.008
PCR-S-09	3/20/2023 10:53	0	0	0	0	0.013	0.013
	3/20/2023 14:56	0	0	0	0	0.008	0.009
	3/20/2023 17:09	0	0	0	0	0.008	0.009
PCR-S-10	3/20/2023 8:58	0	0	0	0	0.014	0.014
	3/20/2023 11:55	0	0	0	0	0.006	0.007
	3/20/2023 15:42	0	0	0	0	0.006	0.007
PCR-S-14	3/20/2023 10:10	0	0	0	0	0.014	0.017
	3/20/2023 10:19	0	0	0	0	0.014	0.015
	3/20/2023 14:19	0	0	0	0	0.008	0.01
	3/20/2023 16:39	0	0	0	0	0.008	0.009
PCR-S-15	3/20/2023 14:28	0	0	0	0	0.008	0.01
	3/20/2023 16:44	0	0	0	0	0.01	0.01
PCR-S-16	3/20/2023 10:26	0	0	0	0	0.014	0.015
	3/20/2023 14:34	0	0	0	0	0.01	0.016
	3/20/2023 16:49	0	0	0	0	0.009	0.01

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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.

2 - Vehicle traffic observed while monitoring.

\* - the screening level is the instrument's limit of detection.

% - percent

CO - carbon monoxide

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

LEL - lower explosive limit

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

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

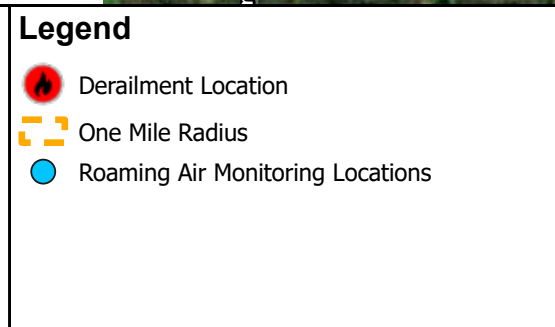
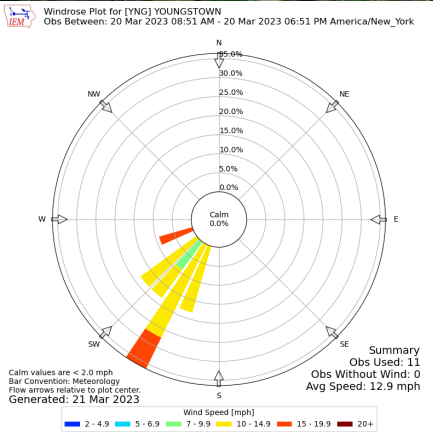
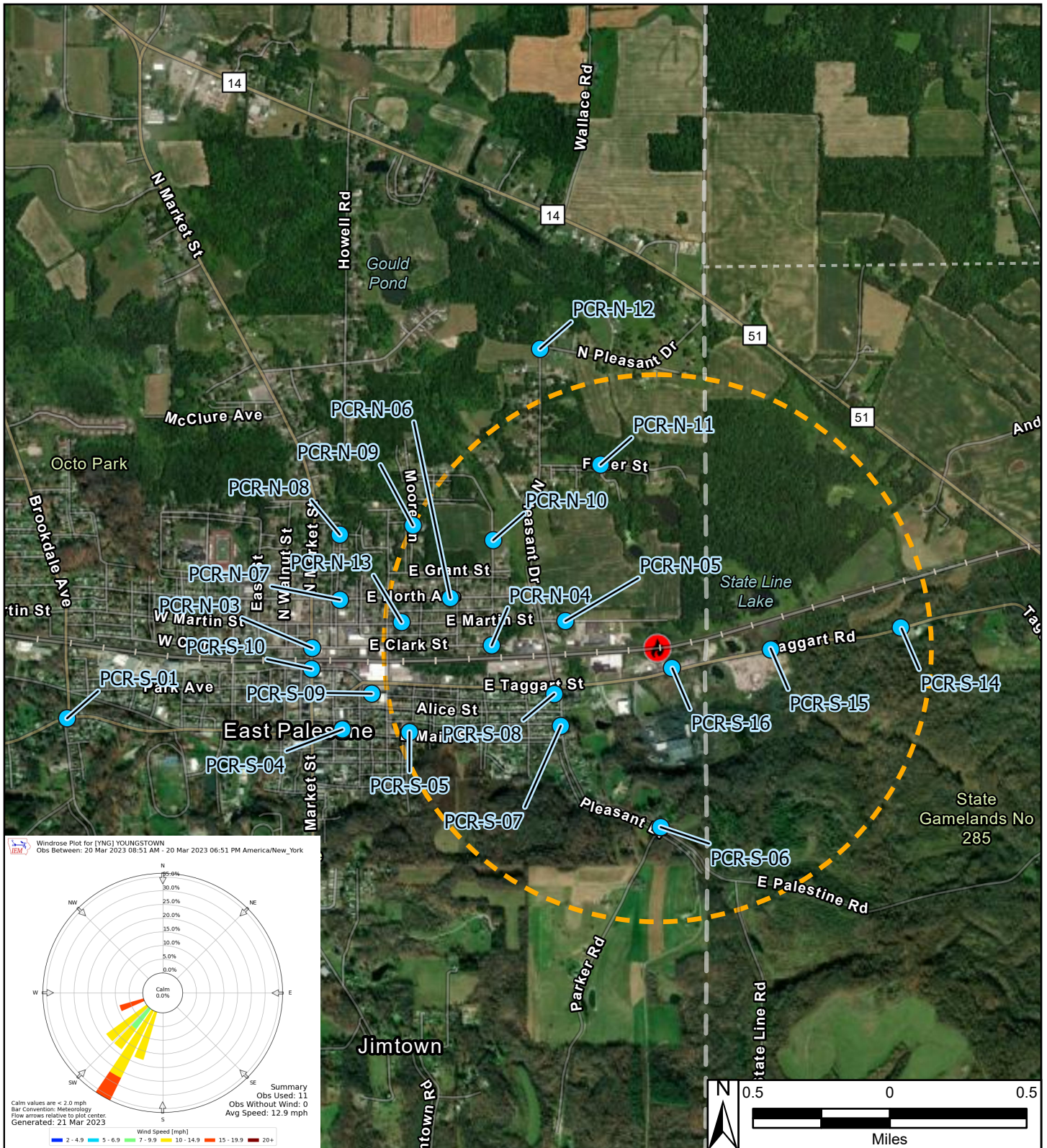
PM<sub>10</sub> - particles that are 10 micrometers and smaller

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.