

Table 1  
 Community Roving Air Monitoring Results Summary Table  
 East Palestine Derailment Emergency Response  
 East Palestine, Ohio  
 Monitoring Period: 03/18/2023 08:24 to 03/18/2023 16:52

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Location	Date/Time	LEL (%)	CO (ppm)	H <sub>2</sub> S (ppm)			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	3/18/2023 8:38	0	0	0	0	0.009	0.01
	3/18/2023 12:42	0	0	0	0	0.01	0.01
	3/18/2023 15:16	0	0	0	0	0.01	0.01
PCR-N-04	3/18/2023 9:32	0	0	0	0	0.008	0.01
	3/18/2023 13:19	0	0	0	0	0.01	0.01
	3/18/2023 15:51	0	0	0	0	0.008	0.008
PCR-N-05	3/18/2023 9:39	0	0	0	0	0.009	0.01
	3/18/2023 13:25	0	0	0	0	0.009	0.01
	3/18/2023 16:46	0	0	0	0	0.008	0.008
PCR-N-06	3/18/2023 9:20	0	0	0	0	0.008	0.008
	3/18/2023 13:10	0	0	0	0	0.01	0.01
	3/18/2023 15:40	0	0	0	0	0.008	0.008
PCR-N-07	3/18/2023 8:51	0	0	0	0	0.009	0.009
	3/18/2023 12:48	0	0	0	0	0.01	0.01
	3/18/2023 15:20	0	0	0	0	0.008	0.008
PCR-N-08	3/18/2023 8:59	0	0	0	0	0.008	0.008
	3/18/2023 12:53	0	0	0	0	0.009	0.01
	3/18/2023 15:24	0	0	0	0	0.008	0.008
PCR-N-09	3/18/2023 9:07	0	0	0	0	0.008	0.008
	3/18/2023 12:58	0	0	0	0	0.009	0.01
	3/18/2023 15:29	0	0	0	0	0.009	0.009
PCR-N-10	3/18/2023 9:13	0	0	0	0	0.008	0.008
	3/18/2023 13:04	0	0	0	0	0.01	0.01
	3/18/2023 15:34	0	0	0	0	0.008	0.008

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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	3/18/2023 10:08	0	0	0	0	0.007	0.007
	3/18/2023 13:36	0	0	0	0	0.009	0.01
	3/18/2023 16:52	0	0	0	0	0.01	0.01
PCR-N-12	3/18/2023 10:14	0	0	0	0	0.007	0.007
	3/18/2023 13:42	0	0	0	0	0.009	0.009
PCR-N-13	3/18/2023 9:26	0	0	0	0	0.01	0.01
	3/18/2023 13:15	0	0	0	0	0.008	0.009
	3/18/2023 15:47	0	0	0	0	0.008	0.008
PCR-S-01	3/18/2023 11:35	0	0	0	0	0.008	0.009
	3/18/2023 15:04	0	0	0	0	0.009	0.01
PCR-S-04	3/18/2023 11:19	0	0	0	0	0.008	0.009
	3/18/2023 14:38	0	0	0	0	0.009	0.01
PCR-S-05	3/18/2023 11:13	0	0	0	0	0.01	0.01
	3/18/2023 14:33	0	0	0	0	0.008	0.01
PCR-S-06	3/18/2023 11:06	0	0	0	0	0.008	0.008
	3/18/2023 14:25	0	0	0	0	0.008	0.01
PCR-S-07	3/18/2023 11:02	0	0	0	0	0.008	0.008
	3/18/2023 14:20	0	0	0	0	0.009	0.01
PCR-S-08	3/18/2023 10:30	0	0	0	0	0.008	0.008
	3/18/2023 13:52	0	0	0	0	0.009	0.01
PCR-S-09	3/18/2023 11:25	0	0	0	0	0.01	0.01
	3/18/2023 14:44	0	0	0	0	0.009	0.01

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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-10	3/18/2023 8:24	0	0	0	0	0.009	0.009
	3/18/2023 12:37	0	0	0	0	0.009	0.011
	3/18/2023 15:10	0	0	0	0	0.008	0.009
PCR-S-14	3/18/2023 10:38	0	0	0	0	0.008	0.008
	3/18/2023 13:59	0	0	0	0	0.01	0.01
PCR-S-15	3/18/2023 10:42	0	0	0	0	0.016	0.024
	3/18/2023 14:05	0	0	0	0	0.01	0.013
PCR-S-16	3/18/2023 10:53	0	0	0	0	0.009	0.013
	3/18/2023 14:13	0	0	0	0	0.01	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.

\* - 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

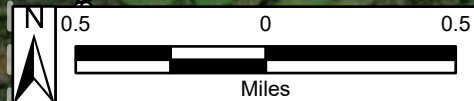
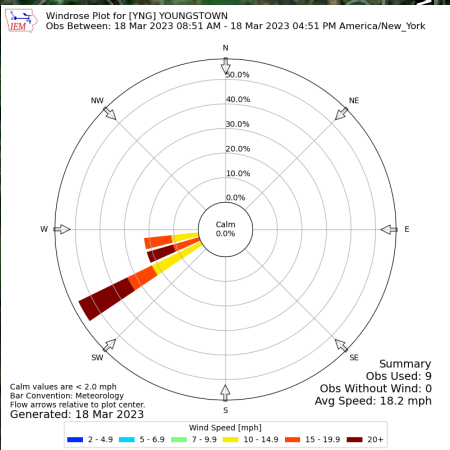
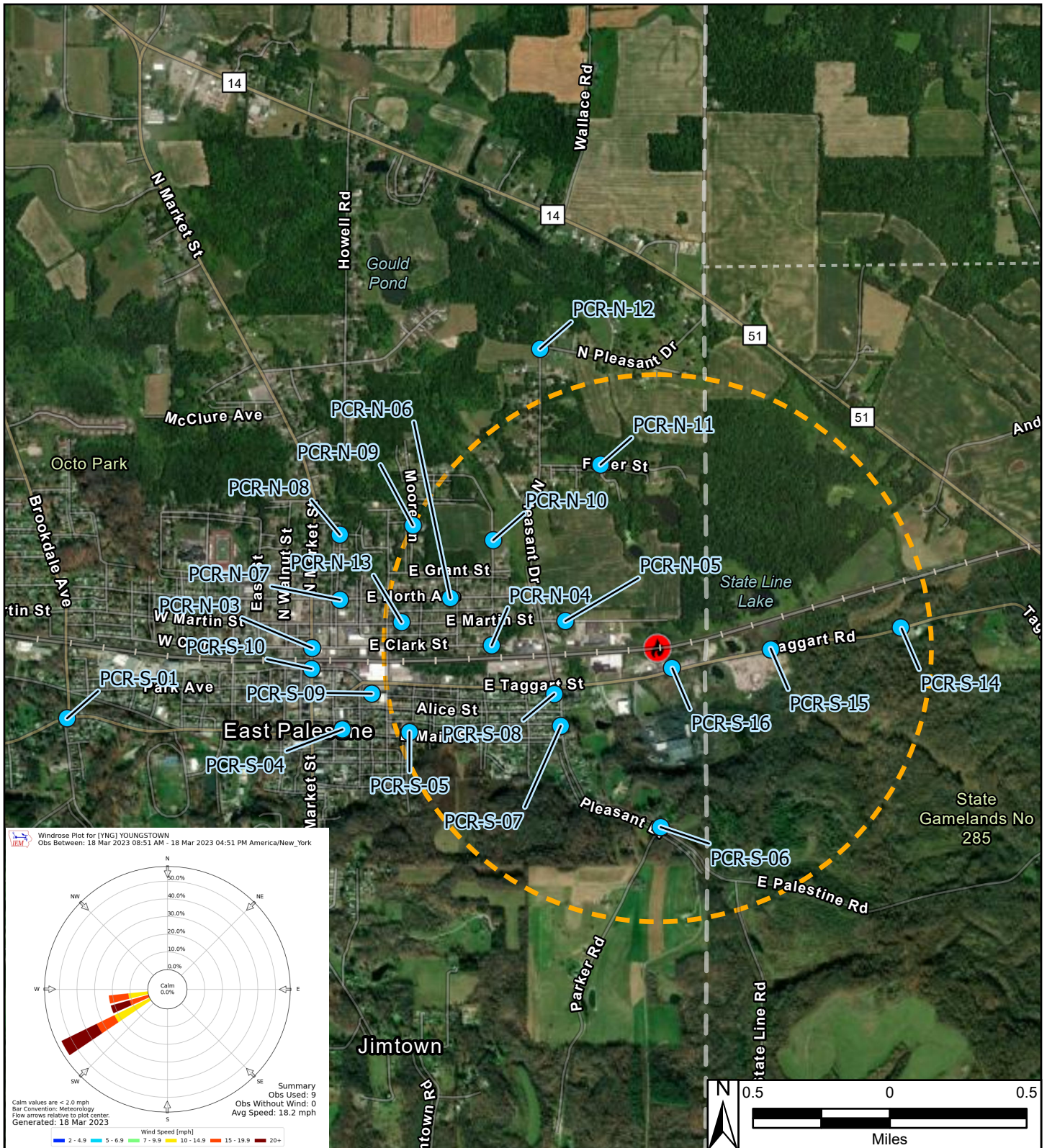
PM<sub>10</sub> - particles that are 10 micrometers and smaller

ppm - parts per million

TWA - time-weighted average

VOC - volatile organic compounds

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**Reference Map**



**Legend**

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

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.