

Table 1  
Community Roving Air Monitoring Results Summary Table  
East Palestine Derailment Emergency Response  
East Palestine, Ohio  
Monitoring Period: 03/17/2023 08:44 to 03/17/2023 17:40

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| Location | Date/Time       | LEL (%)          | CO (ppm) | H <sub>2</sub> S (ppm) | VOC (ppm) |
|----------|-----------------|------------------|----------|------------------------|-----------|
|          |                 | Screening Levels |          |                        |           |
|          |                 | 5%               | 9 ppm    | 0.1 ppm                | 0.5 ppm   |
| PCR-N-03 | 3/17/2023 9:40  | 0                | 0        | 0                      | 0         |
|          | 3/17/2023 12:23 | 0                | 0        | 0                      | 0         |
|          | 3/17/2023 14:17 | 0                | 0        | 0                      | 0         |
|          | 3/17/2023 15:47 | 0                | 0        | 0                      | 0         |
| PCR-N-04 | 3/17/2023 10:02 | 0                | 0        | 0                      | 0         |
|          | 3/17/2023 12:44 | 0                | 0        | 0                      | 0         |
|          | 3/17/2023 14:41 | 0                | 0        | 0                      | 0         |
|          | 3/17/2023 16:37 | 0                | 0        | 0                      | 0         |
| PCR-N-05 | 3/17/2023 10:07 | 0                | 0        | 0                      | 0         |
|          | 3/17/2023 12:47 | 0                | 0        | 0                      | 0         |
|          | 3/17/2023 14:45 | 0                | 0        | 0                      | 0         |
|          | 3/17/2023 16:43 | 0                | 0        | 0                      | 0         |
| PCR-N-06 | 3/17/2023 9:56  | 0                | 0        | 0                      | 0         |
|          | 3/17/2023 12:39 | 0                | 0        | 0                      | 0         |
|          | 3/17/2023 14:35 | 0                | 0        | 0                      | 0         |
|          | 3/17/2023 16:01 | 0                | 0        | 0                      | 0         |
| PCR-N-07 | 3/17/2023 9:43  | 0                | 0        | 0                      | 0         |
|          | 3/17/2023 12:25 | 0                | 0        | 0                      | 0         |
|          | 3/17/2023 14:20 | 0                | 0        | 0                      | 0         |
|          | 3/17/2023 15:49 | 0                | 0        | 0                      | 0         |
| PCR-N-08 | 3/17/2023 9:45  | 0                | 0        | 0                      | 0         |
|          | 3/17/2023 12:27 | 0                | 0        | 0                      | 0         |
|          | 3/17/2023 14:23 | 0                | 0        | 0                      | 0         |
|          | 3/17/2023 15:51 | 0                | 0        | 0                      | 0         |

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|----------|-----------------|------------------|----------|------------------------|-----------|
|          |                 | Screening Levels |          |                        |           |
|          |                 | 5%               | 9 ppm    | 0.1 ppm                | 0.5 ppm   |
| PCR-N-09 | 3/17/2023 9:49  | 0                | 0        | 0                      | 0         |
|          | 3/17/2023 12:31 | 0                | 0        | 0                      | 0         |
|          | 3/17/2023 14:27 | 0                | 0        | 0                      | 0         |
|          | 3/17/2023 15:55 | 0                | 0        | 0                      | 0         |
| PCR-N-10 | 3/17/2023 9:53  | 0                | 0        | 0                      | 0         |
|          | 3/17/2023 12:36 | 0                | 0        | 0                      | 0         |
|          | 3/17/2023 14:32 | 0                | 0        | 0                      | 0         |
|          | 3/17/2023 15:58 | 0                | 0        | 0                      | 0         |
| PCR-N-11 | 3/17/2023 10:15 | 0                | 0        | 0                      | 0         |
|          | 3/17/2023 12:51 | 0                | 0        | 0                      | 0         |
|          | 3/17/2023 14:49 | 0                | 0        | 0                      | 0         |
|          | 3/17/2023 16:48 | 0                | 0        | 0                      | 0         |
| PCR-N-12 | 3/17/2023 10:11 | 0                | 0        | 0                      | 0         |
|          | 3/17/2023 12:55 | 0                | 0        | 0                      | 0         |
|          | 3/17/2023 14:53 | 0                | 0        | 0                      | 0         |
|          | 3/17/2023 17:01 | 0                | 0        | 0                      | 0         |
| PCR-N-13 | 3/17/2023 10:00 | 0                | 0        | 0                      | 0         |
|          | 3/17/2023 12:41 | 0                | 0        | 0                      | 0         |
|          | 3/17/2023 14:39 | 0                | 0        | 0                      | 0         |
|          | 3/17/2023 16:34 | 0                | 0        | 0                      | 0         |
| PCR-S-01 | 3/17/2023 11:03 | 0                | 0        | 0                      | 0         |
|          | 3/17/2023 14:05 | 0                | 0        | 0                      | 0         |
|          | 3/17/2023 15:39 | 0                | 0        | 0                      | 0         |
|          | 3/17/2023 17:40 | 0                | 0        | 0                      | 0         |

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|----------|-----------------|------------------|----------|------------------------|-----------|
|          |                 | Screening Levels |          |                        |           |
|          |                 | 5%               | 9 ppm    | 0.1 ppm                | 0.5 ppm   |
| PCR-S-04 | 3/17/2023 10:53 | 0                | 0        | 0                      | 0         |
|          | 3/17/2023 13:30 | 0                | 0        | 0                      | 0         |
|          | 3/17/2023 15:32 | 0                | 0        | 0                      | 0         |
|          | 3/17/2023 17:32 | 0                | 0        | 0                      | 0         |
| PCR-S-05 | 3/17/2023 10:50 | 0                | 0        | 0                      | 0         |
|          | 3/17/2023 14:01 | 0                | 0        | 0                      | 0         |
|          | 3/17/2023 15:29 | 0                | 0        | 0                      | 0         |
|          | 3/17/2023 17:30 | 0                | 0        | 0                      | 0         |
| PCR-S-06 | 3/17/2023 10:47 | 0                | 0        | 0                      | 0         |
|          | 3/17/2023 13:57 | 0                | 0        | 0                      | 0         |
|          | 3/17/2023 15:23 | 0                | 0        | 0                      | 0         |
|          | 3/17/2023 17:26 | 0                | 0        | 0                      | 0         |
| PCR-S-07 | 3/17/2023 10:44 | 0                | 0        | 0                      | 0         |
|          | 3/17/2023 13:53 | 0                | 0        | 0                      | 0         |
|          | 3/17/2023 15:19 | 0                | 0        | 0                      | 0         |
|          | 3/17/2023 17:23 | 0                | 0        | 0                      | 0         |
| PCR-S-08 | 3/17/2023 10:23 | 0                | 0        | 0                      | 0         |
|          | 3/17/2023 13:38 | 0                | 0        | 0                      | 0         |
|          | 3/17/2023 15:02 | 0                | 0        | 0                      | 0         |
|          | 3/17/2023 17:09 | 0                | 0        | 0                      | 0         |
| PCR-S-09 | 3/17/2023 10:55 | 0                | 0        | 0                      | 0         |
|          | 3/17/2023 13:33 | 0                | 0        | 0                      | 0         |
|          | 3/17/2023 15:34 | 0                | 0        | 0                      | 0         |
|          | 3/17/2023 17:35 | 0                | 0        | 0                      | 0         |

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|----------|-----------------|------------------|----------|------------------------|-----------|
|          |                 | Screening Levels |          |                        |           |
|          |                 | 5%               | 9 ppm    | 0.1 ppm                | 0.5 ppm   |
| PCR-S-10 | 3/17/2023 9:37  | 0                | 0        | 0                      | 0         |
|          | 3/17/2023 12:15 | 0                | 0        | 0                      | 0         |
|          | 3/17/2023 14:11 | 0                | 0        | 0                      | 0         |
|          | 3/17/2023 15:44 | 0                | 0        | 0                      | 0         |
| PCR-S-14 | 3/17/2023 10:28 | 0                | 0        | 0                      | 0         |
|          | 3/17/2023 13:42 | 0                | 0        | 0                      | 0         |
|          | 3/17/2023 15:10 | 0                | 0        | 0                      | 0         |
|          | 3/17/2023 17:13 | 0                | 0        | 0                      | 0         |
| PCR-S-15 | 3/17/2023 10:30 | 0                | 0        | 0                      | 0         |
|          | 3/17/2023 13:45 | 0                | 0        | 0                      | 0         |
|          | 3/17/2023 15:13 | 0                | 0        | 0                      | 0         |
|          | 3/17/2023 17:16 | 0                | 0        | 0                      | 0         |
| PCR-S-16 | 3/17/2023 8:44  | 2                | 0        | 0                      | 0         |
|          | 3/17/2023 10:36 | 0                | 0        | 0                      | 0         |
|          | 3/17/2023 13:49 | 0                | 0        | 0                      | 0         |
|          | 3/17/2023 15:16 | 0                | 0        | 0                      | 0         |
|          | 3/17/2023 17:19 | 0                | 0        | 0                      | 0         |

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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.

Particulate measurements (PM<sub>2.5</sub> and PM<sub>10</sub>) were not collected during this monitoring period due to precipitation events.

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

% - percent

CO - carbon monoxide

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

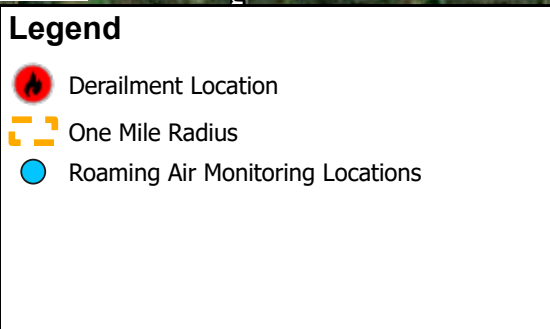
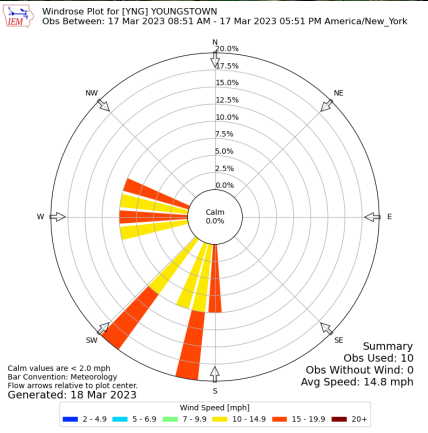
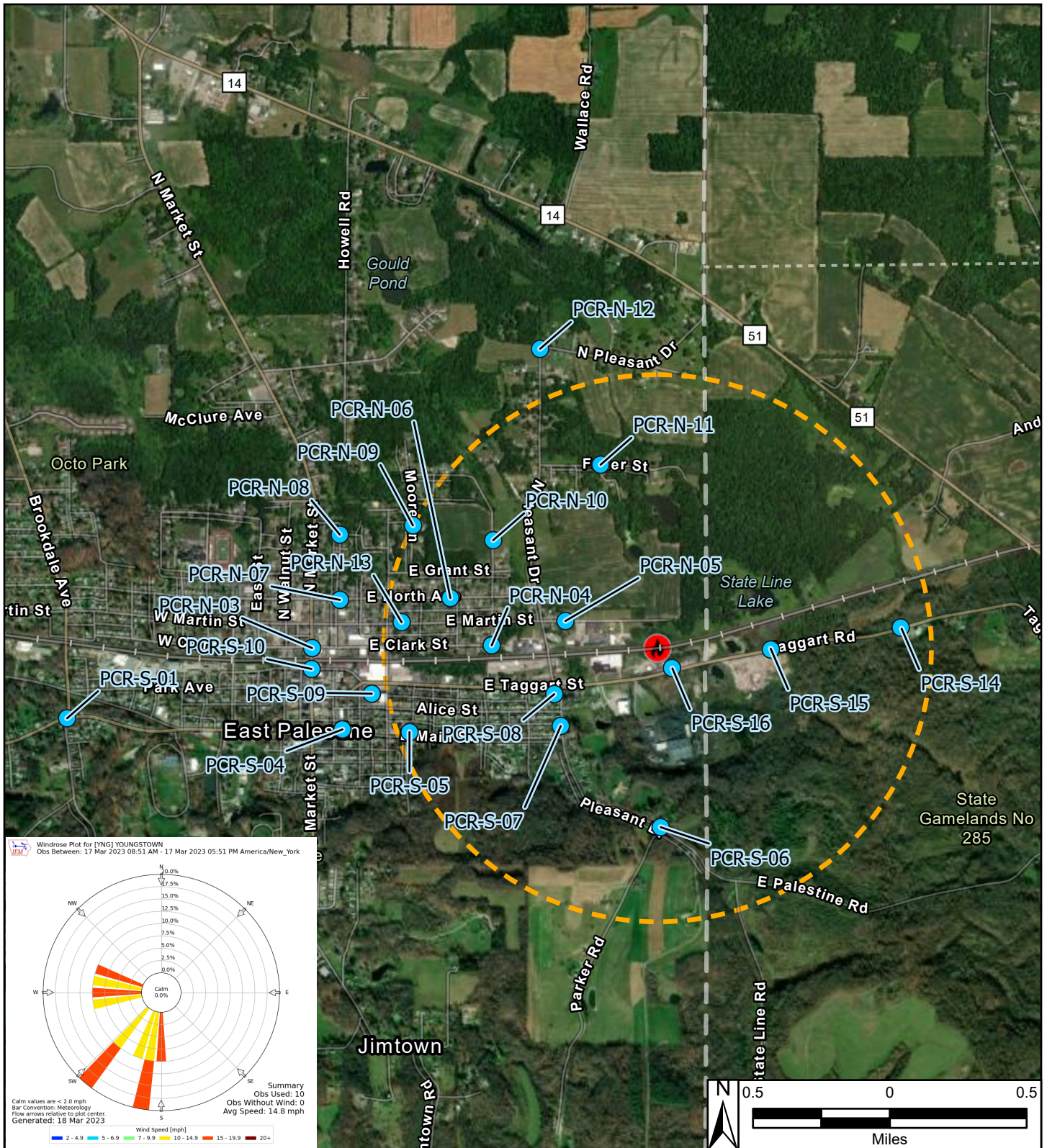
LEL - lower explosive limit

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.