

Table 1
Community Roving Air Monitoring Results Summary Table
East Palestine Derailment Emergency Response
East Palestine, Ohio
Monitoring Period: 06/29/2023 08:17 to 06/29/2023 15:20

Location	Date/Time	VOC (ppm)	PM _{2.5} (mg/m ³) ¹	PM ₁₀ (mg/m ³) ¹
		Screening Levels		
		0.5 ppm	0.035 mg/m ³	0.070 mg/m ³
PCR-N-03	6/29/2023 8:22	0	0.24	0.243
	6/29/2023 10:52	0	0.341	0.344
	6/29/2023 13:45	0	0.319	0.324
PCR-N-04	6/29/2023 8:48	0	0.233	0.236
	6/29/2023 11:16	0	0.348	0.353
	6/29/2023 14:08	0	0.309	0.311
PCR-N-05	6/29/2023 9:19	0	0.204	0.209
	6/29/2023 11:20	0	0.368	0.37
	6/29/2023 14:11	0	0.427	0.562
PCR-N-06	6/29/2023 8:42	0	0.225	0.232
	6/29/2023 11:10	0	0.327	0.33
	6/29/2023 14:02	0	0.316	0.318
PCR-N-07	6/29/2023 8:25	0	0.241	0.244
	6/29/2023 10:56	0	0.34	0.341
	6/29/2023 13:48	0	0.318	0.323
PCR-N-08	6/29/2023 8:30	0	0.244	0.247
	6/29/2023 10:59	0	0.361	0.363
	6/29/2023 13:51	0	0.319	0.323
PCR-N-09	6/29/2023 8:34	0	0.228	0.232
	6/29/2023 11:03	0	0.337	0.339
	6/29/2023 13:55	0	0.313	0.316
PCR-N-10	6/29/2023 8:39	0	NULL	0.243
	6/29/2023 11:07	0	0.332	0.334
	6/29/2023 13:59	0	0.32	0.329
PCR-N-11	6/29/2023 9:28	0	0.175	0.178
	6/29/2023 11:24	0	0.36	0.364
	6/29/2023 14:16	0	0.27	0.279
PCR-N-12	6/29/2023 9:34	0	0.164	0.169
	6/29/2023 11:28	0	0.349	0.351
	6/29/2023 14:19	0	0.296	0.308
PCR-N-13	6/29/2023 8:45	0	0.234	0.239
	6/29/2023 11:13	0	0.371	0.376
	6/29/2023 14:05	0	0.304	0.306
PCR-S-01	6/29/2023 10:30	0	0.342	0.347
	6/29/2023 12:13	0	0.389	0.391
	6/29/2023 15:06	0	0.284	0.289

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		Screening Levels		
		0.5 ppm	0.035 mg/m ³	0.070 mg/m ³
PCR-S-04	6/29/2023 10:26	0	0.358	0.36
	6/29/2023 12:09	0	0.392	0.395
	6/29/2023 15:01	0	0.289	0.291
PCR-S-05	6/29/2023 10:15	0	0.343	0.344
	6/29/2023 12:04	0	0.397	0.399
	6/29/2023 14:55	0	0.287	0.292
PCR-S-06	6/29/2023 10:09	0	0.322	0.324
	6/29/2023 11:56	0	0.394	0.395
	6/29/2023 14:51	0	0.274	0.278
PCR-S-07	6/29/2023 10:05	0	0.305	0.312
	6/29/2023 12:00	0	0.423	0.425
	6/29/2023 14:48	0	0.288	0.291
PCR-S-08	6/29/2023 9:44	0	0.179	0.183
	6/29/2023 11:35	0	0.389	0.393
	6/29/2023 14:33	0	0.282	0.289
PCR-S-09	6/29/2023 10:23	0	0.35	0.354
	6/29/2023 12:07	0	0.399	0.407
	6/29/2023 14:59	0	0.286	0.288
PCR-S-10	6/29/2023 8:17	0	0.24	0.243
	6/29/2023 10:45	0	0.342	0.344
	6/29/2023 13:42	0	0.331	0.334
	6/29/2023 15:20	0	0.259	0.26
PCR-S-14	6/29/2023 9:52	0	0.218	0.223
	6/29/2023 11:41	0	0.364	0.367
	6/29/2023 14:38	0	0.283	0.295
PCR-S-15	6/29/2023 9:57	0	0.199	0.215
	6/29/2023 11:46	0	0.388	0.393
	6/29/2023 14:42	0	0.296	0.302
PCR-S-16	6/29/2023 10:01	0	0.213	0.215
	6/29/2023 11:48	0	0.411	0.414
	6/29/2023 14:44	0	0.294	0.303

Notes:

Highlighted indicate detections above screening levels

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. Screening levels were modified on March 16, 2023 to reflect updated operation procedures on when to apply mitigation methods to reduce dust. Action levels set by health departments have not changed.

mg/m³ - milligrams per cubic meter

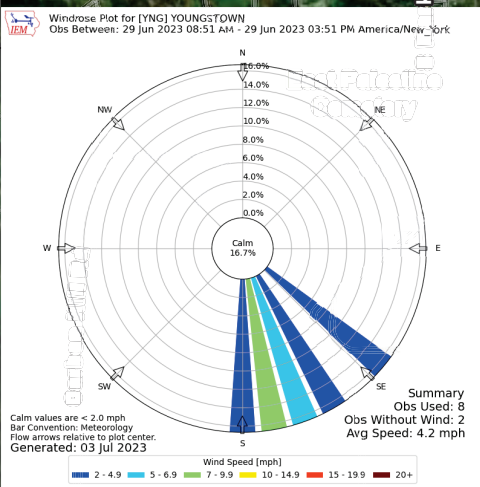
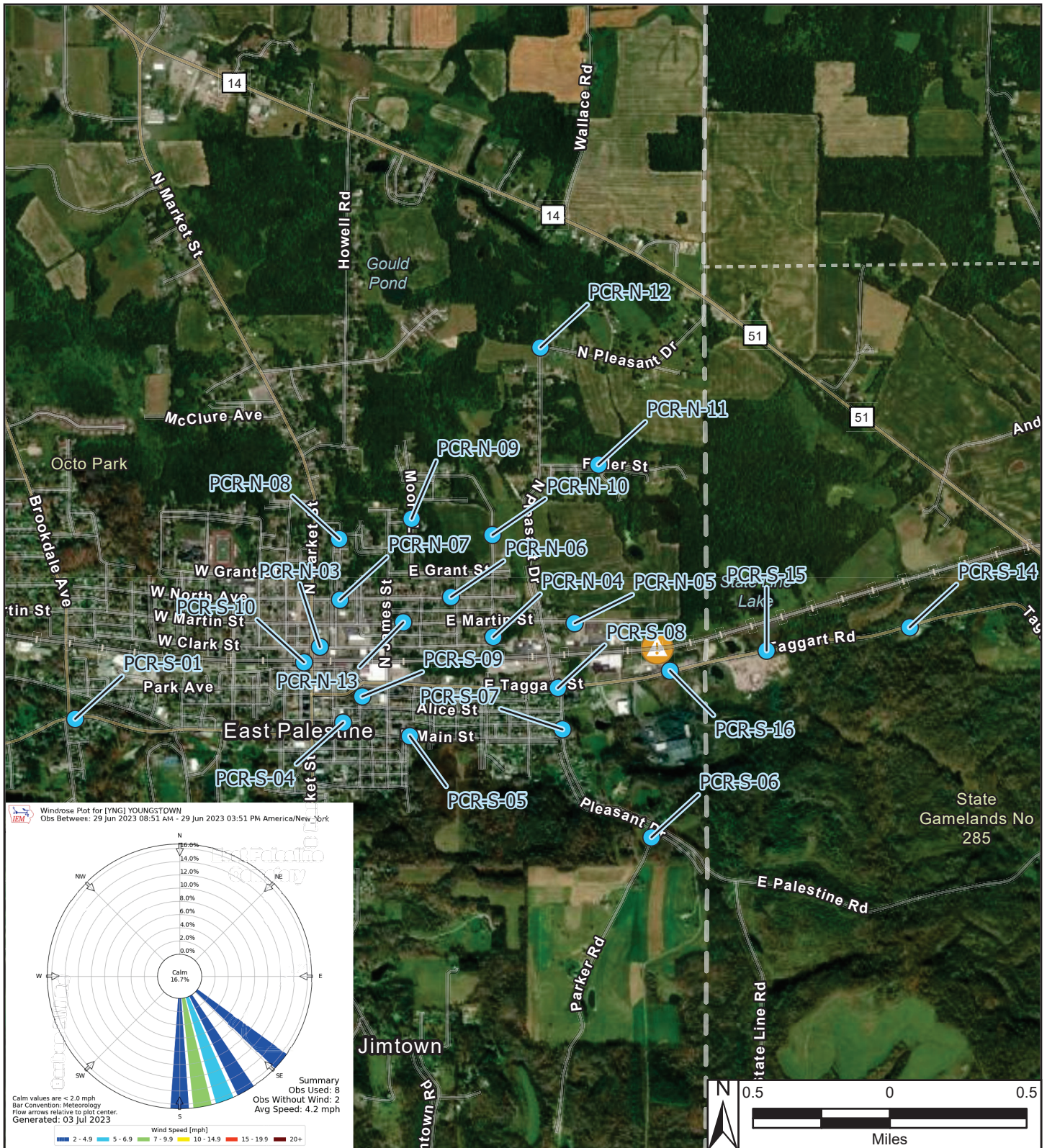
PM_{2.5} - particles that are 2.5 micrometers and smaller

PM₁₀ - particles that are 10 micrometers and smaller

ppm - parts per million

TWA - time-weighted average

VOC - volatile organic compounds



Legend

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

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.