

Table 1
Roving Air Monitoring Results Summary Table: Pre-Controlled Burn
East Palestine Derailment Emergency Response
East Palestine, Ohio
Monitoring Period: 02/04/2023 11:45 to 02/06/2023 08:42

Location	Date/Time	O ₂ (%)	LEL (%)	CO (ppm)	H ₂ S (ppm)	VOC (ppm)	PM _{2.5} (mg/m ³)	PM ₁₀ (mg/m ³)	HCN (ppm)*	Benzene (ppm)	Phosgene (ppm)	HCl (ppm)
		Screening Levels										
		19.5% to 23.5%	5%	25 ppm	0.1 ppm	0.5 ppm	0.025 mg/m ³	0.05 mg/m ³	0.5 ppm	0.5 ppm	0.04 ppm	1.8 ppm
CMS-01	2/4/2023 11:45		0	0	0	0	0.024	0.028		0		
	2/4/2023 13:38		0	0	0	0	0.009	0.007		0		
	2/4/2023 17:59		0	0	0	0	0.007	0.008		0		
	2/5/2023 13:15	20.9	0	0	0	0.01	0.012	0.01	0.5	0	0	
CMS-02	2/4/2023 11:52		0	0	0	0	0.012	0.014		0		
	2/4/2023 13:55		0	0	0	0	0.011	0.012		0		
	2/4/2023 18:24		0	0	0	0	0.011	0.013		0		
CMS-03	2/4/2023 11:55		0	0	0	0	0.012	0.012		0		
	2/4/2023 13:58		0	0	0	0	0.01	0.012		0		
	2/4/2023 19:27		0	0	0	0	0.013	0.013		0		
	2/5/2023 13:38	20.9	0	0	0	0.02	0.009	0.01	0	0	0	0
CMS-04	2/4/2023 12:00		0	0	0	0	0.011	0.013		0		
	2/4/2023 14:03		0	0	0	0	0.011	0.014		0		
	2/4/2023 19:38		0	0	0	0	0.016	0.017		0		
	2/5/2023 13:55	20.9	0	0	0	0.02	0.01	0.012	0	0	0	0
CMS-05	2/4/2023 12:05		0	0	0	0	0.018	0.02		0		
	2/4/2023 14:10		0	0	0	0	0.016	0.018		0		
	2/4/2023 19:58		0	0	0	0	0.034	0.027		0		
	2/5/2023 14:31	20.9	0	0	0	0.01	0.012	0.008	0.5	0	0	0
CMS-06	2/4/2023 12:10		0	0	0	0	0.018	0.018		0		
	2/4/2023 14:14		0	0	0	0	0.039	0.047		0		
	2/4/2023 20:10		0	0	0	0	0.064	0.091		0		
CMS-07	2/4/2023 12:15		0	0	0	0	0.012	0.013		0		
	2/4/2023 14:17		0	0	0	0	0.01	0.012		0		
	2/4/2023 20:22		0	0	0	0	0.01	0.016		0		
CMS-08	2/4/2023 12:20		0	0	0	0	0.011	0.012		0		
	2/4/2023 14:20		0	0	0	0	0.011	0.012		0		
Park Drive Bridge	2/5/2023 8:16	20.9	0	0	0	0			0	0		
Sumner St Bridge	2/5/2023 4:03								0			
	2/5/2023 11:52		0	0	0	0	0.01	0.01	0		0	
Walnut Street Bridge	2/5/2023 12:36	20.9	0	0	0	0	0.023	0.029	0	0	0	

Notes:

Highlighted cells indicate detections above screening levels

Grey cells indicate no measurement was collected for that specific parameter

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

% - percent

Cl - chlorine

CO - carbon monoxide

H₂S - hydrogen sulfide

HCl - hydrogen chloride

HCN - hydrogen cyanide

LEL - lower explosive limit

mg/m³ - milligrams per cubic meter

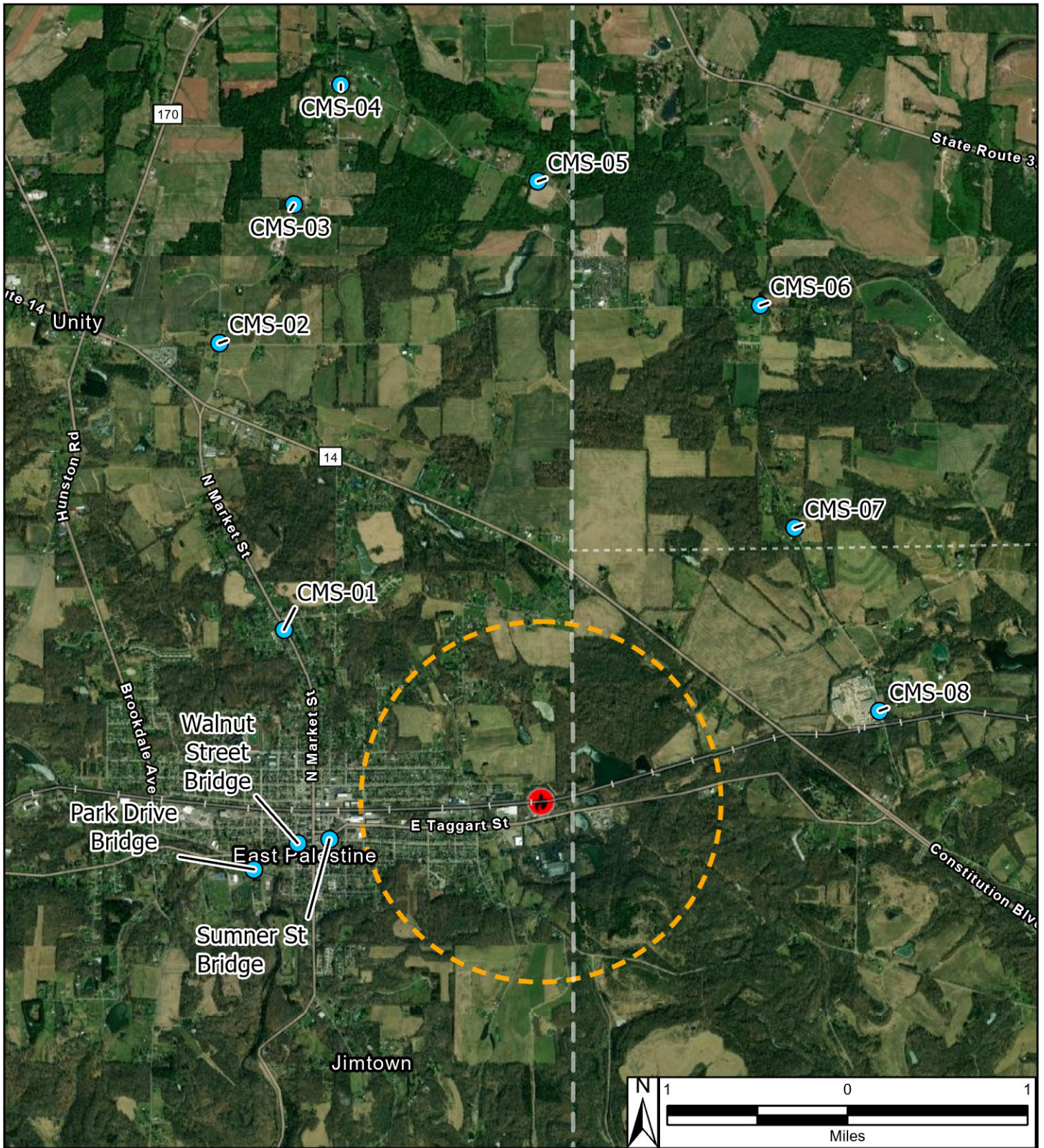
O₂ - oxygen

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

PM₁₀ - particles that are 10 micrometers and smaller

ppm - parts per million

VOC - volatile organic compounds






Reference Map



Site Location

Legend

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

East Palestine Derailment ER Site
 75 E Main St
 East Palestine, Columbiana County, OH 44413

Figure 1
Roaming Air Monitoring Locations



Prepared For: EPA

Prepared By: Tetra Tech Inc.