

Appendix F

2023 Mobilization Air Monitoring Data

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 Conrail Right-of-Way (AOC 1)
 PPG, Jersey City, New Jersey

Date	Upwind AMS ($\mu\text{g}/\text{m}^3$)	Downwind AMS ($\mu\text{g}/\text{m}^3$)
	Maximum 15-Minute TWA	
7/15/2023	48	37
7/22/2023	26	82
7/23/2023	98	75
7/29/2023	44	268 ⁽¹⁾
7/30/2023	27	40
8/5/2023	58	310 ⁽¹⁾
8/6/2023	63	71
8/12/2023	ND ⁽²⁾	87
8/13/2023	ND ⁽²⁾	60
8/19/2023	295 ⁽¹⁾	17 ⁽³⁾
8/20/2023	21	70 ⁽³⁾
9/16/2023	21	ND ⁽²⁾
9/17/2023	36	ND ⁽²⁾
10/1/2023	56	88
10/28/2023	31	36
10/29/2023	7	22
Project Summary		
Project Maximum	295	310
Project Average	24	36
Definitions:		
AMS - Air Monitoring Station		
PM ₁₀ - Respirable Particulate Matter 10 micrometers or less		
$\mu\text{g}/\text{m}^3$ - Micrograms per cubic meter		
ND - No Data		
TWA - Time-Weighted Average		
Notes:		
AMS reported PM ₁₀ data represent 15-minute average concentrations prior to accounting for background concentrations.		
AMS was operated continuously during active periods of remedial excavation and intrusive activities.		
Alert Level (15-Minute TWA) - 255 $\mu\text{g}/\text{m}^3$		
Action Level (15-Minute TWA) - 339 $\mu\text{g}/\text{m}^3$		
Readings were collected once every minute by the AMS and 15-minute TWAs were calculated manually, unless otherwise noted.		
(1) Alert Level exceedance was due to transient spike(s) in PM ₁₀ concentrations and was/were not sustained.		
(2) Equipment malfunction - data unable to be recovered.		
(3) AMS collected 15-minute TWAs; 1-minute readings were not collected.		