

EE Initial Notification Summary Information

Submitting Agency: Ohio Environmental Protection Agency

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Date Submitted: August 13, 2026

Applicable NAAQS: 2024 Annual PM_{2.5} NAAQS

Affected Regulatory Decision¹: Initial Area Designations for 2024 PM_{2.5} NAAQS

(for classification decisions, specify level of the classification with/without EE concurrence)

Area Name/Designation Status: Hamilton County, Ohio

Design Value Period (list three-year period): 2023-2025, potentially 2024-2026 (future), potentially 2025-2027 (future)

(where there are multiple relevant design value periods, summarize separately)

A) Information specific to each flagged site day that may be submitted to EPA in support of the affected regulatory decision listed above

Date of Event	Type of Event (high wind, volcano, wildfires/prescribed fire, other ²)	AQS Flag	Site AQS ID	Site Name	PM _{2.5} Concentration (with units)	Notes (e.g. event name, links to other events)
June 4, 2023	Wildfire - Canada	RF	39-061-0014	Carthage	21.7 µg/m ³	June 4-10, 2023 Canadian Wildfire Smoke Event in Hamilton County, OH
June 4, 2023	Wildfire - Canada	RF	39-061-0048	Cincinnati Near Road	16.6 µg/m ³	June 4-10, 2023 Canadian Wildfire Smoke Event in Hamilton County, OH
June 5, 2023	Wildfire - Canada	RF	39-061-0014	Carthage	20.1 µg/m ³	June 4-10, 2023 Canadian Wildfire Smoke Event in Hamilton County, OH
June 5, 2023	Wildfire - Canada	RF	39-061-0048	Cincinnati Near Road	18.0 µg/m ³	June 4-10, 2023 Canadian Wildfire Smoke Event in Hamilton County, OH
June 6, 2023	Wildfire - Canada	RF	39-061-0014	Carthage	43.1 µg/m ³	June 4-10, 2023 Canadian Wildfire Smoke Event in Hamilton County, OH
June 6, 2023	Wildfire - Canada	RF	39-061-0048	Cincinnati Near Road	34.9 µg/m ³	June 4-10, 2023 Canadian Wildfire Smoke Event in Hamilton County, OH
June 7, 2023	Wildfire - Canada	RF	39-061-0014	Carthage	49.6 µg/m ³	June 4-10, 2023 Canadian Wildfire Smoke Event in Hamilton County, OH
June 7, 2023	Wildfire - Canada	RF	39-061-0048	Cincinnati Near Road	36.9 µg/m ³	June 4-10, 2023 Canadian Wildfire Smoke Event in Hamilton County, OH
June 8, 2023	Wildfire - Canada	RF	39-061-0014	Carthage	28.8 µg/m ³	June 4-10, 2023 Canadian Wildfire Smoke Event in Hamilton County, OH
June 8, 2023	Wildfire - Canada	RF	39-061-0048	Cincinnati Near Road	25.8 µg/m ³	June 4-10, 2023 Canadian Wildfire Smoke Event in Hamilton County, OH
June 9, 2023	Wildfire - Canada	RF	39-061-0014	Carthage	22.5 µg/m ³	June 4-10, 2023 Canadian Wildfire Smoke Event in Hamilton County, OH
June 10, 2023	Wildfire - Canada	RF	39-061-0014	Carthage	24.5 µg/m ³	June 4-10, 2023 Canadian Wildfire Smoke Event in Hamilton County, OH
June 15, 2023	Wildfire - Canada	RF	39-061-0014	Carthage	21.9 µg/m ³	June 15-19, 2023 Canadian Wildfire Smoke Event in Hamilton County, OH
June 15, 2023	Wildfire - Canada	RF	39-061-0048	Cincinnati Near Road	19.6 µg/m ³	June 15-19, 2023 Canadian Wildfire Smoke Event in Hamilton County, OH
June 16, 2023	Wildfire - Canada	RF	39-061-0014	Carthage	20.3 µg/m ³	June 15-19, 2023 Canadian Wildfire Smoke Event in Hamilton County, OH
June 16, 2023	Wildfire - Canada	RF	39-061-0048	Cincinnati Near Road	18.9 µg/m ³	June 15-19, 2023 Canadian Wildfire Smoke Event in Hamilton County, OH
June 17, 2023	Wildfire - Canada	RF	39-061-0014	Carthage	26.7 µg/m ³	June 15-19, 2023 Canadian Wildfire Smoke Event in Hamilton County, OH
June 17, 2023	Wildfire - Canada	RF	39-061-0048	Cincinnati Near Road	26.7 µg/m ³	June 15-19, 2023 Canadian Wildfire Smoke Event in Hamilton County, OH
June 18, 2023	Wildfire - Canada	RF	39-061-0014	Carthage	30.8 µg/m ³	June 15-19, 2023 Canadian Wildfire Smoke Event in Hamilton County, OH
June 18, 2023	Wildfire - Canada	RF	39-061-0048	Cincinnati Near Road	25.6 µg/m ³	June 15-19, 2023 Canadian Wildfire Smoke Event in Hamilton County, OH
June 19, 2023	Wildfire - Canada	RF	39-061-0014	Carthage	18.7 µg/m ³	June 15-19, 2023 Canadian Wildfire Smoke Event in Hamilton County, OH
June 19, 2023	Wildfire - Canada	RF	39-061-0048	Cincinnati Near Road	18.8 µg/m ³	June 15-19, 2023 Canadian Wildfire Smoke Event in Hamilton County, OH
June 27, 2023	Wildfire - Canada	RF	39-061-0014	Carthage	62.8 µg/m ³	June 27-29, 2023 Canadian Wildfire Smoke Event in Hamilton County, OH
June 27, 2023	Wildfire - Canada	RF	39-061-0048	Cincinnati Near Road	53.5 µg/m ³	June 27-29, 2023 Canadian Wildfire Smoke Event in Hamilton County, OH
June 28, 2023	Wildfire - Canada	RF	39-061-0014	Carthage	108.1 µg/m ³	June 27-29, 2023 Canadian Wildfire Smoke Event in Hamilton County, OH
June 28, 2023	Wildfire - Canada	RF	39-061-0048	Cincinnati Near Road	98.3 µg/m ³	June 27-29, 2023 Canadian Wildfire Smoke Event in Hamilton County, OH
June 29, 2023	Wildfire - Canada	RF	39-061-0014	Carthage	47.0 µg/m ³	June 27-29, 2023 Canadian Wildfire Smoke Event in Hamilton County, OH
June 29, 2023	Wildfire - Canada	RF	39-061-0048	Cincinnati Near Road	47.6 µg/m ³	June 27-29, 2023 Canadian Wildfire Smoke Event in Hamilton County, OH
July 4, 2023	Fireworks	RH	39-061-0014	Carthage	23.4 µg/m ³	July 4-5, 2023 Fireworks Smoke Event in Hamilton County, OH
July 4, 2023	Fireworks	RH	39-061-0048	Cincinnati Near Road	35.4 µg/m ³	July 4-5, 2023 Fireworks Smoke Event in Hamilton County, OH
July 5, 2023	Fireworks	RH	39-061-0014	Carthage	42.1 µg/m ³	July 4-5, 2023 Fireworks Smoke Event in Hamilton County, OH

July 5, 2023	Fireworks	RH	39-061-0048	Cincinnati Near Road	45.6 µg/m ³	July 4-5, 2023 Fireworks Smoke Event in Hamilton County, OH
July 16, 2023	Wildfire - Canada	RF	39-061-0014	Carthage	39.8 µg/m ³	July 16-17, 2023 Canadian Wildfire Smoke Event in Hamilton County, OH
July 16, 2023	Wildfire - Canada	RF	39-061-0048	Cincinnati Near Road	30.6 µg/m ³	July 16-17, 2023 Canadian Wildfire Smoke Event in Hamilton County, OH
July 17, 2023	Wildfire - Canada	RF	39-061-0014	Carthage	27.0 µg/m ³	July 16-17, 2023 Canadian Wildfire Smoke Event in Hamilton County, OH
July 17, 2023	Wildfire - Canada	RF	39-061-0048	Cincinnati Near Road	26.3 µg/m ³	July 16-17, 2023 Canadian Wildfire Smoke Event in Hamilton County, OH
July 25, 2023	Wildfire - Canada	RF	39-061-0014	Carthage	25.7 µg/m ³	July 25, 2023 Canadian Wildfire Smoke Event in Hamilton County, OH
July 25, 2023	Wildfire - Canada	RF	39-061-0048	Cincinnati Near Road	25.5 µg/m ³	July 25, 2023 Canadian Wildfire Smoke Event in Hamilton County, OH
August 19, 2023	Wildfire - Canada	RF	39-061-0014	Carthage	20.7 µg/m ³	August 19, 2023 Canadian Wildfire Smoke Event in Hamilton County, OH
July 4, 2025	Fireworks	RH	39-061-0014	Carthage	38.8 µg/m ³	July 4-5, 2025 Fireworks Smoke Event in Hamilton County, OH
July 4, 2025	Fireworks	RH	39-061-0048	Cincinnati Near Road	32.3 µg/m ³	July 4-5, 2025 Fireworks Smoke Event in Hamilton County, OH
July 5, 2025	Fireworks	RH	39-061-0014	Carthage	35.8 µg/m ³	July 4-5, 2025 Fireworks Smoke Event in Hamilton County, OH
July 5, 2025	Fireworks	RH	39-061-0048	Cincinnati Near Road	60.0 µg/m ³	July 4-5, 2025 Fireworks Smoke Event in Hamilton County, OH

¹ designation, classification, attainment determination, attainment date extension, or finding of SIP inadequacy leading to SIP call

² Provide additional information for types of event described as "other"

B) Violating Sites Information

(listing of all violating sites³ in the planning area, regardless of operating agency, and regardless of whether or not they are affected by EEs)

Site (AQS ID)	Design Value (without EPA concurrence on all events listed in table A above)	Design Value (with EPA concurrence on all events listed in table A above)
Carthage (39-061-0014)	9.6 µg/m ³	9.0 µg/m ³
Cincinnati Near Road (39-061-0048); Near-Road Site	9.5 µg/m ³	9.0 µg/m ³

³ Note if violating monitor is a near-road monitor

C) Summary of Maximum Design Value (DV) Site Information (Effect of EPA Concurrence on Maximum Design Value Site Determination)

(Two highest values from Table B)

Maximum DV site (AQS ID) without EPA concurrence on any of the events listed in table A above	2023-2025 Design Value: 9.6 µg/m ³	Design Value Site: Carthage (39-061-0014)	Comments: Hamilton County, Ohio would violate 2024 Annual PM _{2.5} NAAQS
Maximum DV site (AQS ID) with EPA concurrence on all events listed in table A above	2023-2025 Design Value: 9.0 µg/m ³	Design Value Sites: Carthage (39-061-0014) Cincinnati Near Road (39-061-0048)	Comments: Hamilton County, Ohio would attain 2024 Annual PM _{2.5} NAAQS

D) List of any sites (AQS ID) within planning area with invalid design values (e.g. due to data incompleteness)

Site (AQS ID)	2023-2025 Design Value	Comments
N/A	N/A	N/A