STATE OF FLORIDA

DEPARTMENT OF ENVIRONMENTAL PROTECTION

DRAFT EXCEPTIONAL EVENTS DEMONSTRATION

OCTOBER 2-4, 2023, CANADIAN WILDFIRE SMOKE EVENT

May 9, 2024

Contents

Section I. Introduction

1.1 Overview

This Exceptional Event Demonstration shows that numerous Florida air monitoring sites were impacted by smoke from wildfires across Canada in early October 2023, causing daily $PM_{2.5}$ concentrations at most Florida monitoring sites to exceed the new 2024 $PM_{2.5}$ Annual National Ambient Air Quality Standard (NAAQS) of 9.0 µg/m^3 over several days. Two Florida monitors have current design values for 2020-2022 and preliminary design values for 2021-2023 which are above the new 2024 $PM_{2.5}$ annual NAAQS.[1] All other monitoring sites in Florida are meeting the new 2024 $PM_{2.5}$ annual NAAQS. The NAAQS exceedances included in this demonstration are for October 2, 3 and 4, 2023, and it was the result of smoke impacts from the Canadian wildfires, as described in this document.

The Florida Department of Environmental Protection (Department) requests that EPA concur with the exclusion from regulatory decisions the specified $PM_{2.5}$ concentrations in **Table 1** which were all above the $PM_{2.5}$ Tier 1 threshold for each site, influenced by smoke from Canadian wildland fires included in this demonstration, and impact regulatory decisions about the Florida's attainment of the NAAQS. The days and sites for which the Department is requesting concurrence were impacted by an event consistent with EPA's definition of "unusual or naturally occurring events that can affect air quality but are not reasonably controllable using techniques that tribal, state, or local air agencies may implement in order to attain and maintain the [NAAQS]" (USEPA, 2020a).

Florida has also identified additional data from ambient monitoring locations that were impacted by this event, but because their 2020-2022 design values and 2021-2023 preliminary design values are below the new 2024 $PM_{2.5}$ NAAQS, they are not currently "regulatorily significant." These data are listed In **Tables 2, 3, and 4**. The Department is submitting these data to provide a complete picture of the impacts from this event and may amend this request in the future to exclude some of these additional data points should they become regulatorily significant in a future design value.

Table 1: Regulatorily Significant Data Exceeding the Daily National Ambient Air Quality Standard Monitoring Sites

County	Monitor Name	AQS Site ID	Date	Air Quality Index Category	24-hour Average Concentration (µg/m^3)
Broward	Fort Lauderdale Near Road	12-011-0035	10/3/2023	USG	38.2
Escambia	Ellyson	12-033-0004	10/3/2023	Moderate	31
Escambia	Ellyson	12-033-0004	10/4/2023	Moderate	32.6

[1] These design values may be impacted by EPA's proposal to retroactively correct Federal Equivalent Monitors (FEM) data to correct a known bias of approximately 20 percent. If the data correction proceeds as proposed, the 2020-2022 design values and 2021-2023 preliminary design values for these two monitors may be below the 2024 annual PM2.5 NAAQS. *See* 89 Fed. Reg. 11,831 (February 15, 2024).

Table 2: October 2, 2024 $PM_{2.5}$ Exceeding the Daily National Ambient Air Quality Standard Monitoring Sites

County	Monitor Name	AQS Site ID	Date	Air Quality Index Category	24-hour Average Concentration ($\mu g/m^3$)
Alachua	Payne's Prairie Farm	12-001-3012	10/2/2023	Moderate	18.2
Brevard	Melbourne	12-009-0007	10/2/2023	Moderate	22.5
Duval	Mandarin	12-031-0098	10/2/2023	Moderate	22.9
Duval	Sunny Acres	12-031-0099	10/2/2023	Moderate	18.5
Martin	Stuart	12-085-0007	10/2/2023	Moderate	14.8
Orange	Winter Park	12-095-2002	10/2/2023	Moderate	23.8
Palm Beach	Belle Glade	12-099-0008	10/2/2023	Moderate	13.7
Palm Beach	Lamstein Lane	12-099-0022	10/2/2023	Moderate	16.7
Sarasota	Bee Ridge	12-115-0013	10/2/2023	Moderate	16.2
Seminole	Sanford	12-117-1002	10/2/2023	Moderate	25
Volusia	Daytona-Blind Services	12-127-5002	10/2/2023	Moderate	30.6

Table 3: October 3, 2024 $PM_{2.5}$ Exceeding the Daily National Ambient Air Quality Standard Monitoring Sites

County	Monitor Name	AQS Site ID	Date	Air Quality Index Category	24-hour Average Concentration ($\mu g/m^3$)
Alachua	Payne's Prairie Farm	12-001-3012	10/3/2023	Moderate	29.9
Brevard	Melbourne	12-009-0007	10/3/2023	USG	47.1
Broward	Vista View Park	12-011-0033	10/3/2023	USG	37.9
Broward	Daniela Banu (Ncore)	12-011-0034	10/3/2023	USG	36.7
Broward	Daniela Banu (Ncore-FRM)	12-011-0034	10/3/2023	Moderate	31.8
Broward	Pompano Highlands	12-011-2003	10/3/2023	USG	38.8
Duval	Kooker Park	12-031-0032	10/3/2024	Moderate	34.3
Duval	Mandarin	12-031-0098	10/3/2023	USG	35.6
Duval	Sunny Acres	12-031-0099	10/3/2023	USG	36.6
Duval	Pepsi Place	12-031-0108	10/3/2023	Moderate	33.7
Hillsborough	Munro Street	12-057-0113	10/3/2023	USG	38.1
Hillsborough	Sydney -FRM	12-057-3002	10/3/2023	Moderate	33.1
Hillsborough	Sydney	12-057-3002	10/3/2023	USG	34.9
Leon	Tallahassee Community College - FRM	12-073-0012	10/3/2023	USG	36.8
Leon	Tallahassee Community College	12-073-0012	10/3/2023	USG	44.8

Martin	Stuart	12-085-0007	10/3/2023	USG	46.2
Miami-Dade	Miami Fire Station	12-086-1016	10/3/2023	Moderate	22.3
Orange	Winter Park	12-095-2002	10/3/2023	Moderate	34.2
Palm Beach	Belle Glade	12-099-0008	10/3/2023	USG	44.2
Palm Beach	Lamstein Lane	12-099-0022	10/3/2023	USG	43.8
Palm Beach	Delray Beach	12-099-2005	10/3/2023	USG	40.3
Pinellas	St. Petersburg College	12-103-0004	10/3/2023	Moderate	34.8
Pinellas	Azalea Park	12-103-0018	10/3/2023	USG	40.4
Sarasota	Bee Ridge	12-115-0013	10/3/2023	USG	47.9
Seminole	Sanford - FRM	12-117-1002	10/3/2023	Moderate	32.5
Seminole	Sanford	12-117-1002	10/3/2023	USG	37.6
Volusia	Daytona-Blind Services	12-127-5002	10/3/2023	USG	42.6

Table 4: October 4, 2024 $PM_{2.5}$ Exceeding the Daily National Ambient Air Quality Standard Monitoring Sites

County	Monitor Name	AQS Site ID	Date	Air Quality Index Category	24-hour Average Concentration ($\mu g/m^3$)
Alachua	Payne's Prairie Farm	12-001-3012	10/4/2023	Moderate	18.1
Orange	Winter Park	12-095-2002	10/4/2023	Moderate	17.3
Pinellas	St. Petersburg College	12-103-0004	10/4/2023	Moderate	15.6
Seminole	Sanford	12-117-1002	10/4/2023	Moderate	19.5
Volusia	Daytona-Blind Services	12-127-5002	10/4/2023	Moderate	28.2

1.2 Clean Air Act Requirements

The U.S. Environmental Protection Agency's (EPA) 2024 $PM_{2.5}$ National Ambient Air Quality Standard (NAAQS, or standard) has two components: an annual average standard of 9.0 $\mu g/m^3$, and a 24-hour average standard of 35 $\mu g/m^3$. The annual $PM_{2.5}$ standard is met when the annual weighted quarterly average averaged over three years is less than or equal to 9.0 $\mu g/m^3$ (40 CFR § 50.20). Promulgation of the 2024 NAAQS has triggered the state recommendation process and states are required to submit their area recommendations by February 7, 2025. As part of this process, Florida is submitting this exceptional event demonstration to exclude certain data from the 2021-2023 design value calculations that will be relied upon by the state in making its recommendation. (The exclusion of this data will also impact EPA's designation process as the events will be part of the 2022-2024 design value also.)

1.3 Exceptional Event Rule Requirements

EPA's Treatment of Data Influenced by Exceptional Events (Exceptional Event Rule) (81 Fed. Reg. 68,216) details what air agencies demonstrate in order to exclude exceptional event-related concentrations from regulatory determinations. The following are requirements under 40 CFR § 50.14(c)(3)(iv)(A–E):

A. A narrative conceptual model that describes the event(s) causing the exceedance or violation and a discussion of how emissions from the event(s) led to the exceedance or violation at the affected monitor(s); (See Section III of this document)
B. A demonstration that the event affected air quality in such a way that there exists a clear causal relationship between the specific event and the monitored exceedance or violation; (See Section IV of this document)
C. Analyses comparing the claimed event-influenced concentration(s) to concentrations at the same monitoring site at other times to support the requirement in paragraph (c)(3)(iv)(B) of this section. The Administrator shall not require a State to prove a specific percentile point in the distribution of data; (See Section IV of this document)
D. A demonstration that the event was both not reasonably controllable and not reasonably preventable; and (See Section V of this document)
E. A demonstration that the event was a human activity that is unlikely to recur at a location or was a natural event. (See Section VI of this document)

The Exceptional Events Rule further provides that for wildfire exceptional events, the wildfire must occur predominantly on wildland.

> 40 CFR 50.14(b)(4): Wildfires. The Administrator shall exclude data from use in determinations of exceedances and violations where a State demonstrates to the Administrator's satisfaction that emissions from wildfires caused a specific air pollution concentration in excess of one or more national ambient air quality standard at a particular air quality monitoring location and otherwise satisfies the requirements of this section. Provided the Administrator determines that there is no compelling evidence to the contrary in the record, the Administrator will determine every wildfire occurring predominantly on wildland to have met the requirements identified in paragraph (c)(3)(iv)(D) of this section regarding the not reasonably controllable or preventable criterion.

The definition for "wildland" is provided in 40 CFR § 50.1(o). The term "wildland" issued in this document consistent with this definition.

> 40 CFR 50.1(o): Wildland means an area in which human activity and development are essentially non-existent, except for roads, railroads, power lines, and similar transportation facilities. Structures, if any, are widely scattered.

This demonstration addresses the above requirements in showing that the smoke from the 2023 Canadian wildfires caused the $PM_{2.5}$ exceedances throughout Florida. [*Add if formally submitting this as an exceptional event demonstration to EPA: In addition, the Department will provide a 30-day public comment period on this exceptional event demonstration.*]

1.4 Canadian Wildfire Impacts on $PM_{2.5}$ Design Values in Florida

The annual $PM_{2.5}$ design value (DV) is calculated using the 3-year average. Although removal of these data from the 2021-2023 preliminary design values will not, in and of itself, be regulatory significant, additional exceptional event demonstrations may be forthcoming that, cumulatively, would be regulatory significant.

1.5 Action Requested

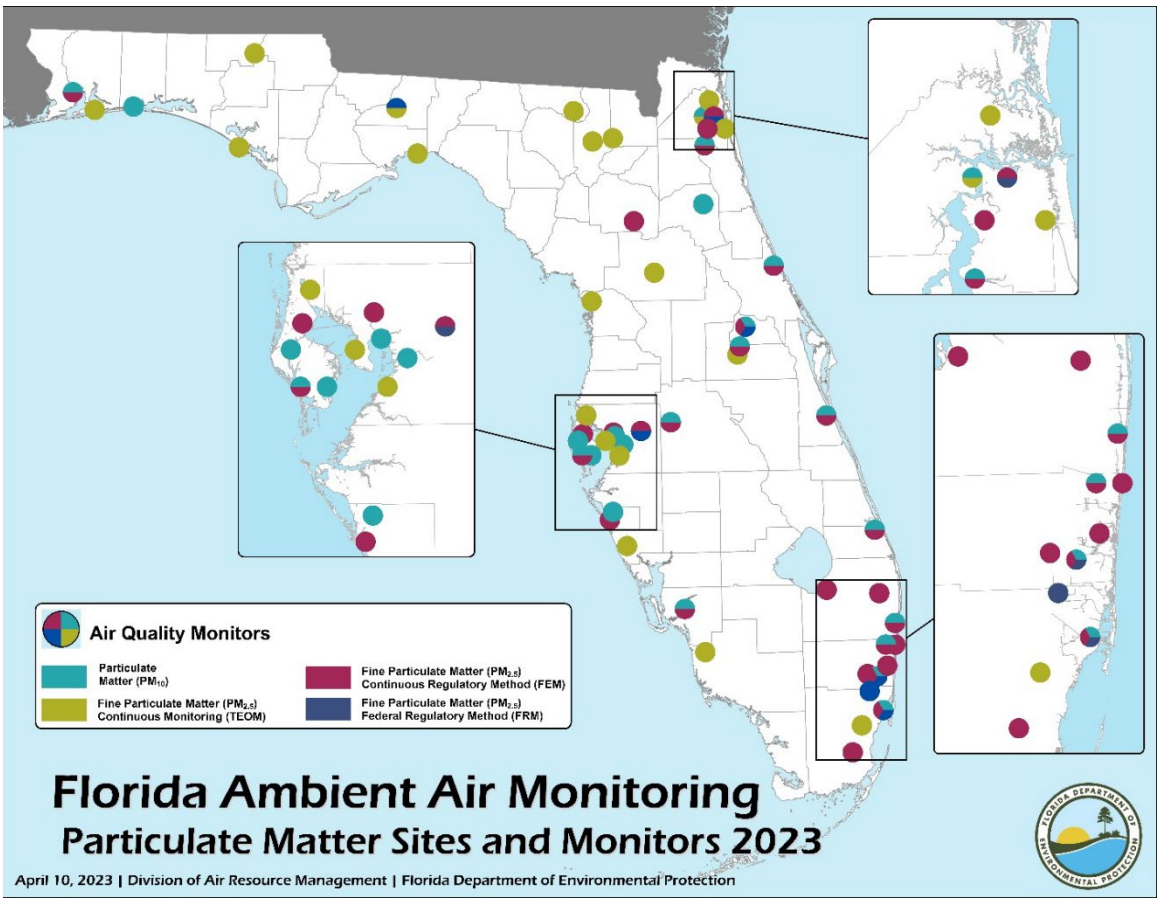
This report meets all U.S. Environmental Protection Agency (EPA) documentation standards for Exceptional Events (see Section 1.4). Pursuant to federal regulations, the Department requests EPA concurrence that the October 3 and 4, 2023, concentrations shown in **Table 1** were caused by an exceptional event and should be excluded from regulatory decisions for the $PM_{2.5}$ National Ambient Air Quality Standards and any other applicable regulatory purposes (40 CFR §50.14(b)). A copy of the AMP 350 report from EPA's AQS system is included in Appendix B and shows the data included in this demonstration has the "IF" flag applied. If this request is finalized, an updated request including the "rt" flags will be included.

Section II. Overview of Florida Air Quality Monitoring Network

2.1 Florida Particulate Ambient Air Monitoring Network

Florida's ambient monitoring particulate matter network is more robust than the minimum federal requirements. It includes all counties with required monitoring and additional monitors not required. There are monitors that are considered to serve as background monitors in some of the more rural areas of the state. More information about Florida's 2023 ambient monitoring network is available at: https://floridadep.gov/sites/default/files/Annual%20Network%20Plan_2023.pdf

Figure 1: Florida's 2023 Particulate Matter Ambient Monitoring Network



Section III. Narrative Conceptual Model

This section satisfies the following federal requirement:

A narrative conceptional model that describes the event(s) causing the exceedance or violation at the affected monitor(s); (40 CFR 50.14(c)(3)(iv)(A)).

The Exceptional Event Rule requires that demonstrations include a narrative conceptual model describing the event. This section will describe the 2023 Canadian wildfires that affected public health and impacted air quality monitors across Florida. It will also describe the general meteorological conditions that supported the transportation of the wildfire smoke and spread it across the state. $PM_{2.5}$ pollution from the wildfire smoke impacted Florida ambient monitors and caused air quality concentrations that exceeded the NAAQS and were well above normal conditions across the state.

3.1 2023 Canadian Smoke and Wildfires

The Canadian wildfires were well documented and impacted much of the geography of the United States. Wildland fire experts have described Canada's 2023 fire season as record-breaking and shocking. Over the course of a fire season that started early and ended late, blazes have burned an estimated 18.4 million hectares [71,043 square miles]—an area roughly the size of North Dakota. On average, just 2.5 million hectares [9,653 square miles] burn in Canada each year.

Many of Canada's fires in 2023, ignited by summer lightning storms, burned for months in remote areas. The fire in Quebec which started June 1 by lightning, saw surging growth in late June and early July, a period when temperatures were unusually high and drought gripped the region. The second-largest fire as of September 19, 2023, raged throughout much of June and July near Fort Nelson, where the borders of British Columbia, the Northwest Territories, and Alberta intersect. It stopped spreading for a time in August after charring 802,575 hectares [3,099 square miles] as of September. Late in September and October, winds reinvigorated the fire and it grew rapidly to become the largest fire of the year.[2]

On October 2, 3 and 4, wildfires across Canada were contributing to smoke which was being transported across North America. Numerous news reports covered the Canadian Wildfire impacts.[3] **Figure 2** shows the wildfires that were raging across Canada on October 2 on the Natural Resources Canada Interactive map. The smoke plume generated by the wildfires was being blown to the east. **Figure 3** shows the September 29 surface analysis done by Weather Predictive Center. It displays the location of the cold front which was crossing Hudson Bay. That cold front sets up the

[2] National Aeronautics and Space Administration (NASA), "Tracking Canada's Extreme 2023 Fire Season," NASA Earth Observatory, NASA, October 24, 2023, https://earthobservatory.nasa.gov/images/151985/tracking-canadas-extreme-2023-fire-season.

[3] Riley Hazel, "Canada wildfires bring dangerous smoke levels to Florida," WFIT Public Radio 89.5FM Public Radio for the Space Coast, October 3, 2023, Canada wildfires bring dangerous smoke levels to Florida | WFIT.

synoptic structure which provides for the transportation of the smoke from the Canadian wildfires to Florida.

Figure 2: October 2, 2023, Canadian Wildfires

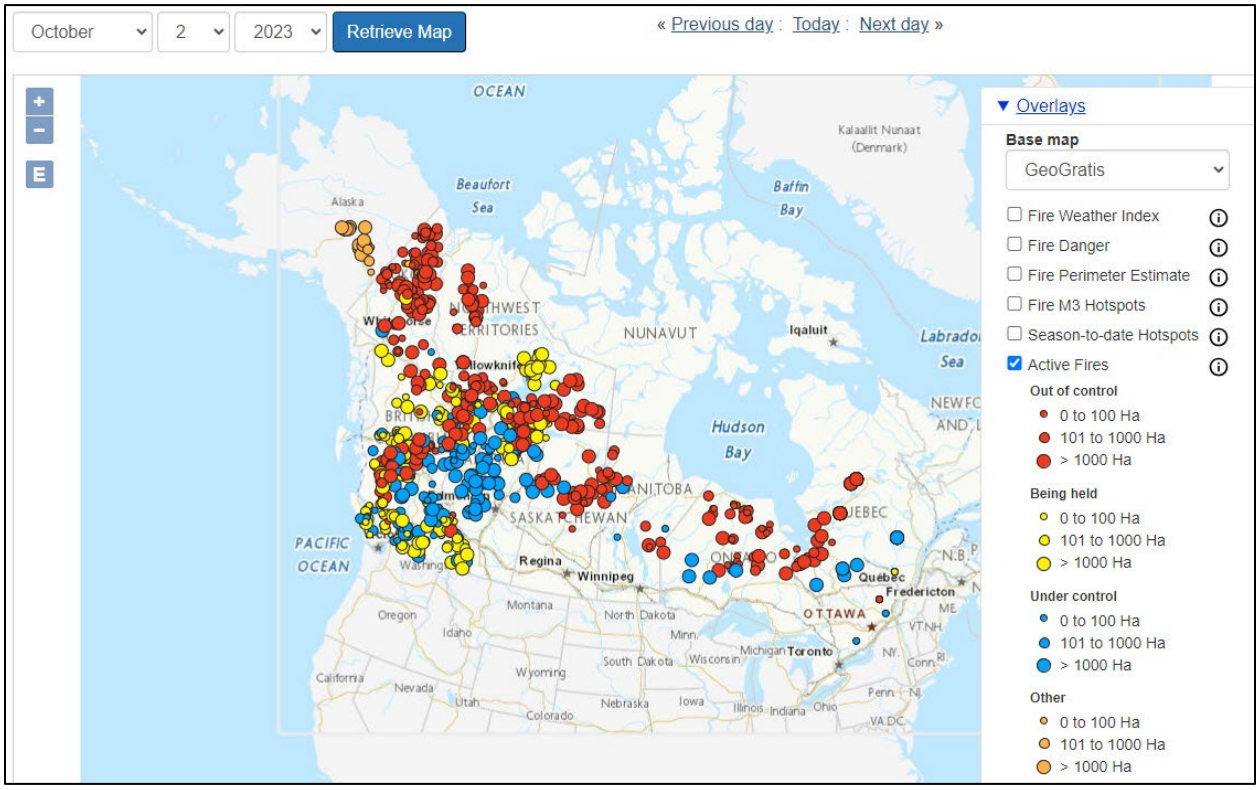
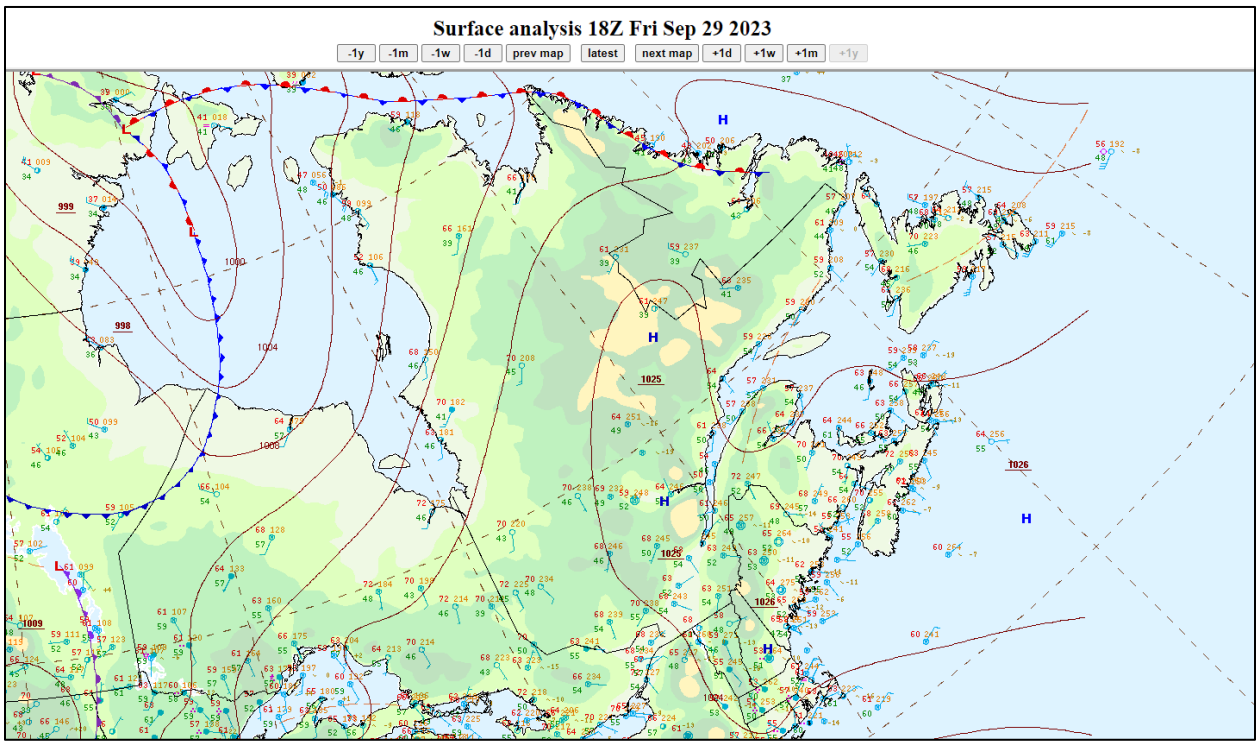


Figure 3: September 29, 2023, 18 Z Surface Analysis Weather Predictive Center



As the front travels to the east (**Figure 4**), the smoke is pushed offshore ahead of it (**Figure 5**).

Figure 4: September 30, 2023 09 Z Surface Analysis Weather Predictive Center.

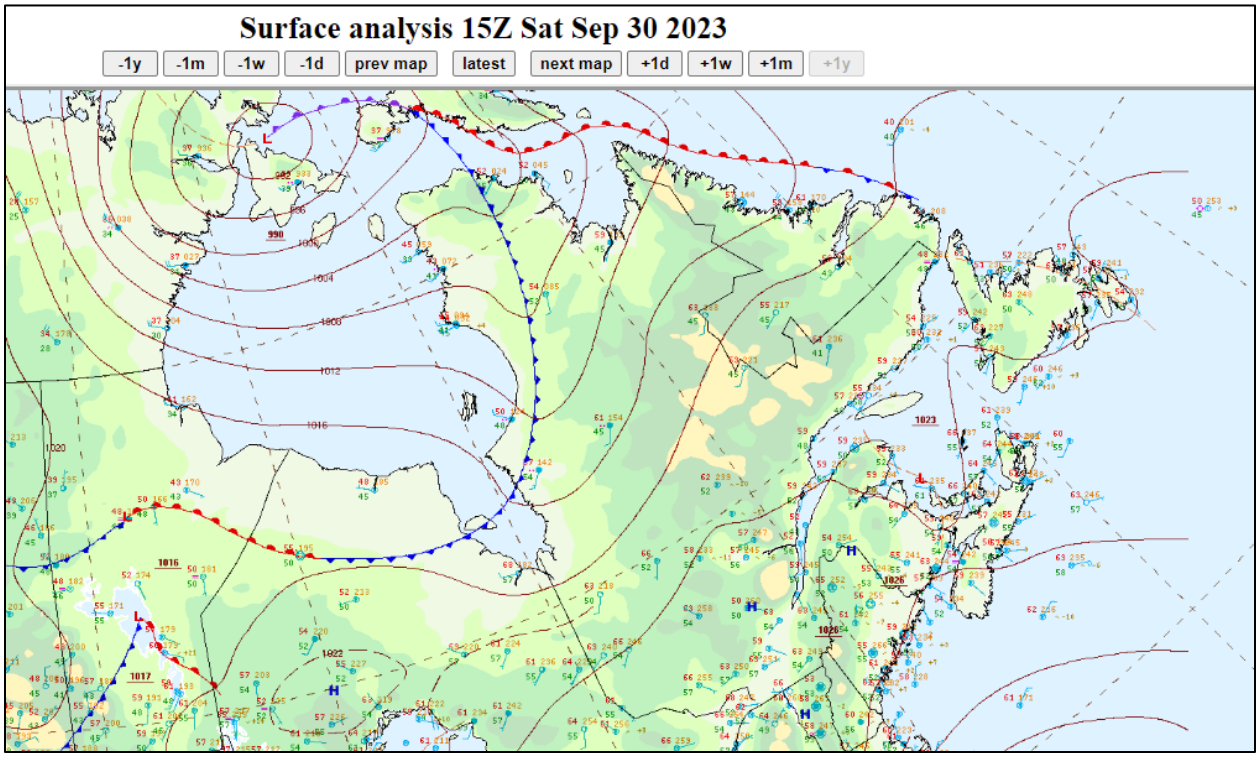
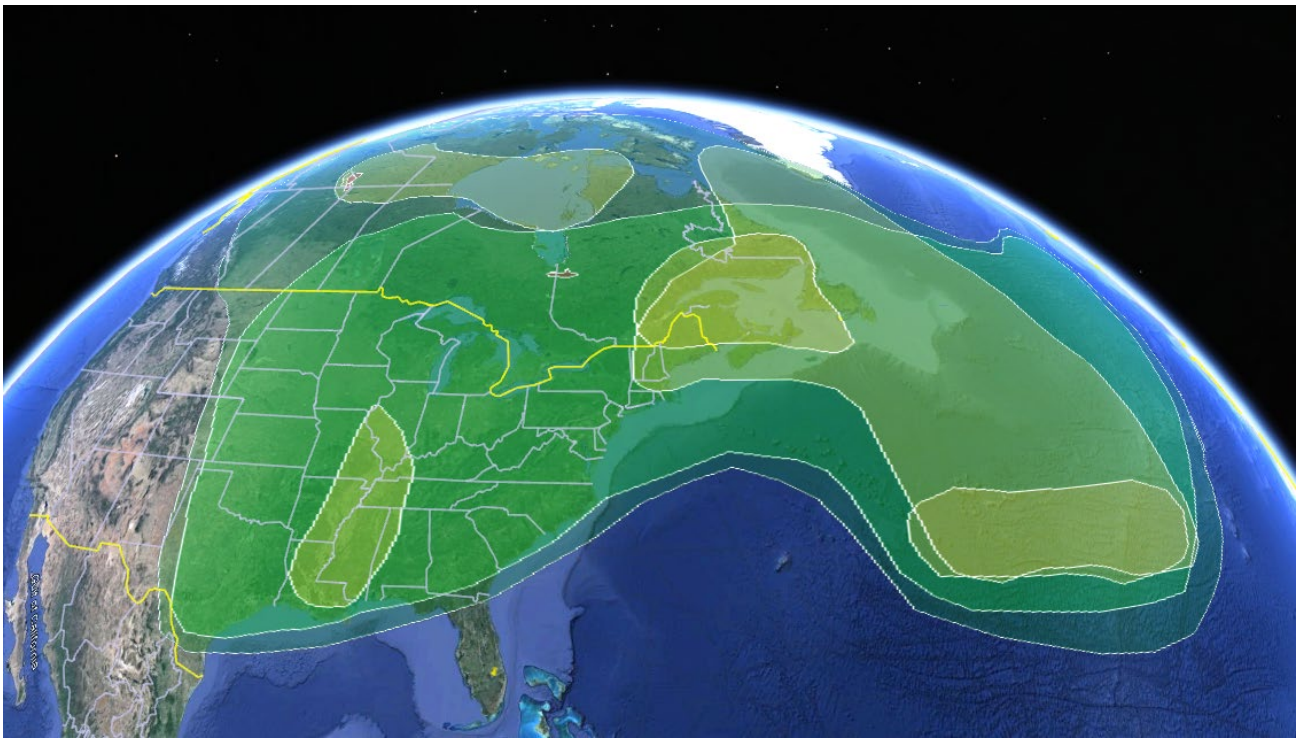


Figure 5: September 30, 2023, Smoke Layer from Hazard Map.



By October 1, the occluded front in the Atlantic increases the pressure gradient speeding the smoke filled air south along the US east coast *(***Figures 6 and 7***)*.

Figure 6: October 1, 2023, 09 Z Surface Analysis Weather Predictive Center.

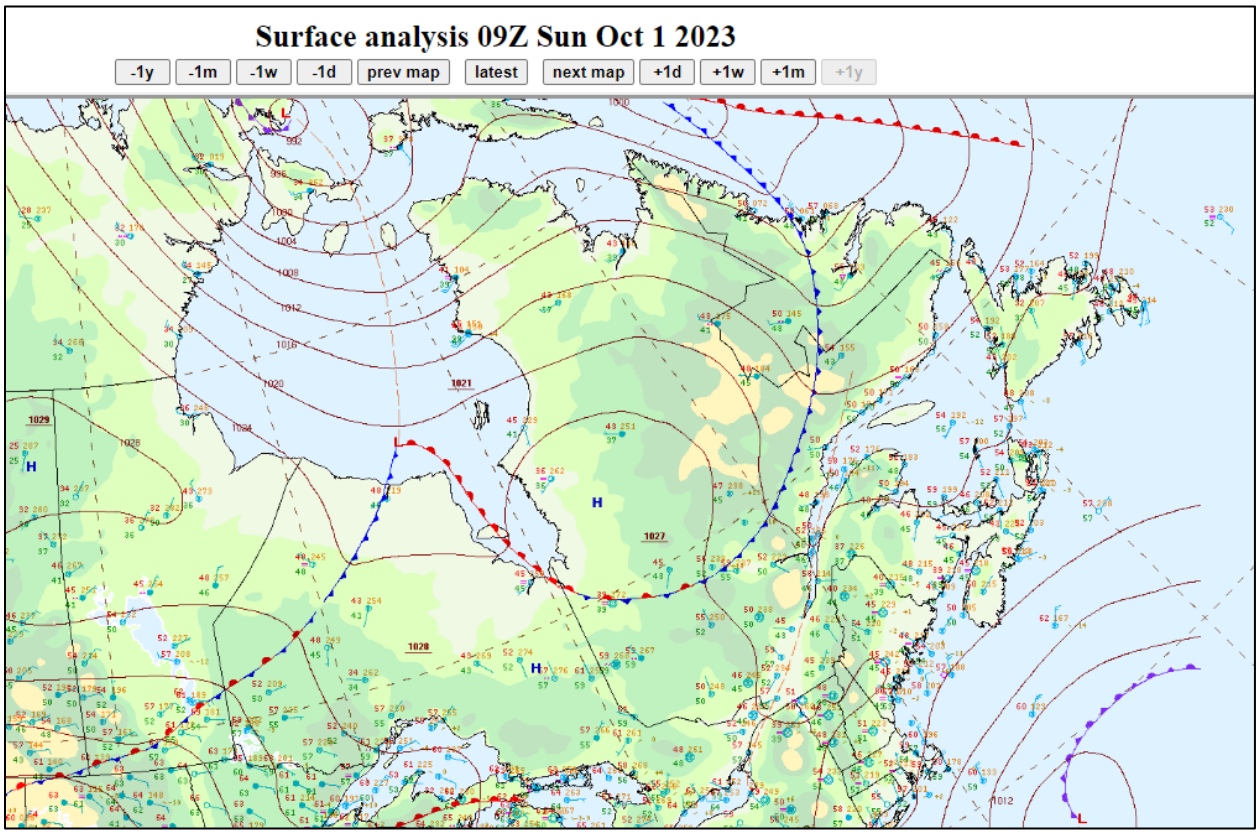
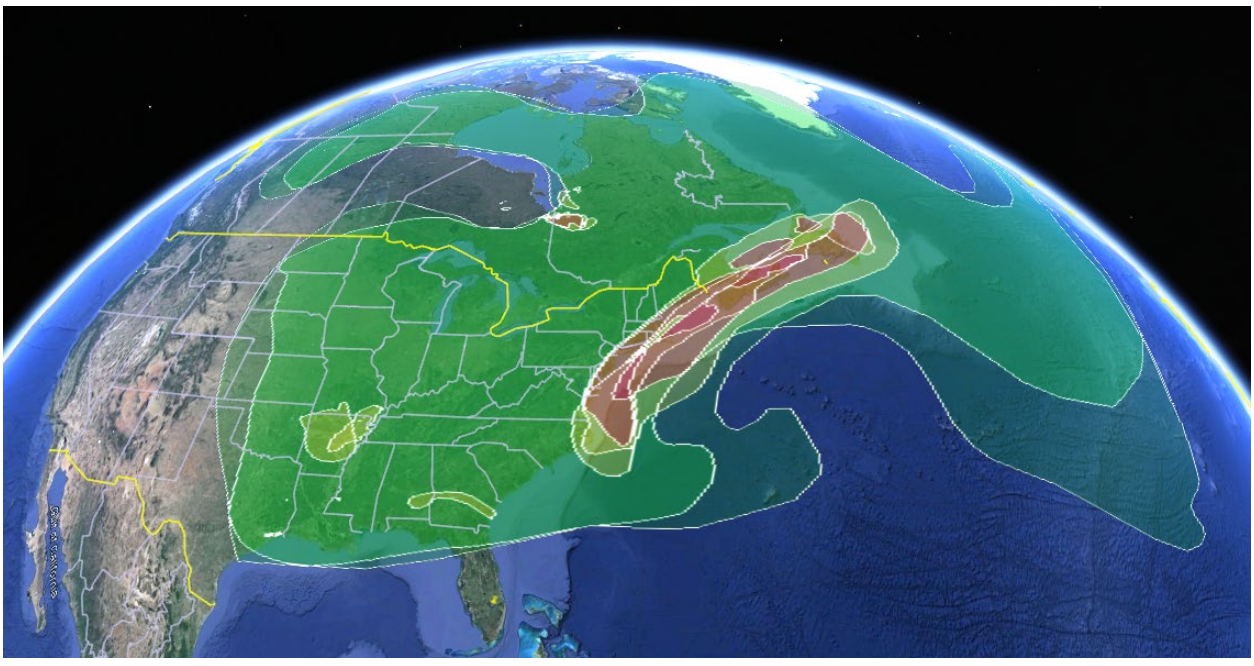


Figure 7: October 1, 2023, Smoke Layer from Hazard Map.



The afternoon of October 2, the $PM_{2.5}$ concentrations were rising on Florida's northeast coast (**Figures 8 and 9**). The surface PM2.5 concentrations were elevated as a result (**Figure 14**).

Figure 8: October 2, 2023, 09 Z Surface Analysis Weather Predictive Center.

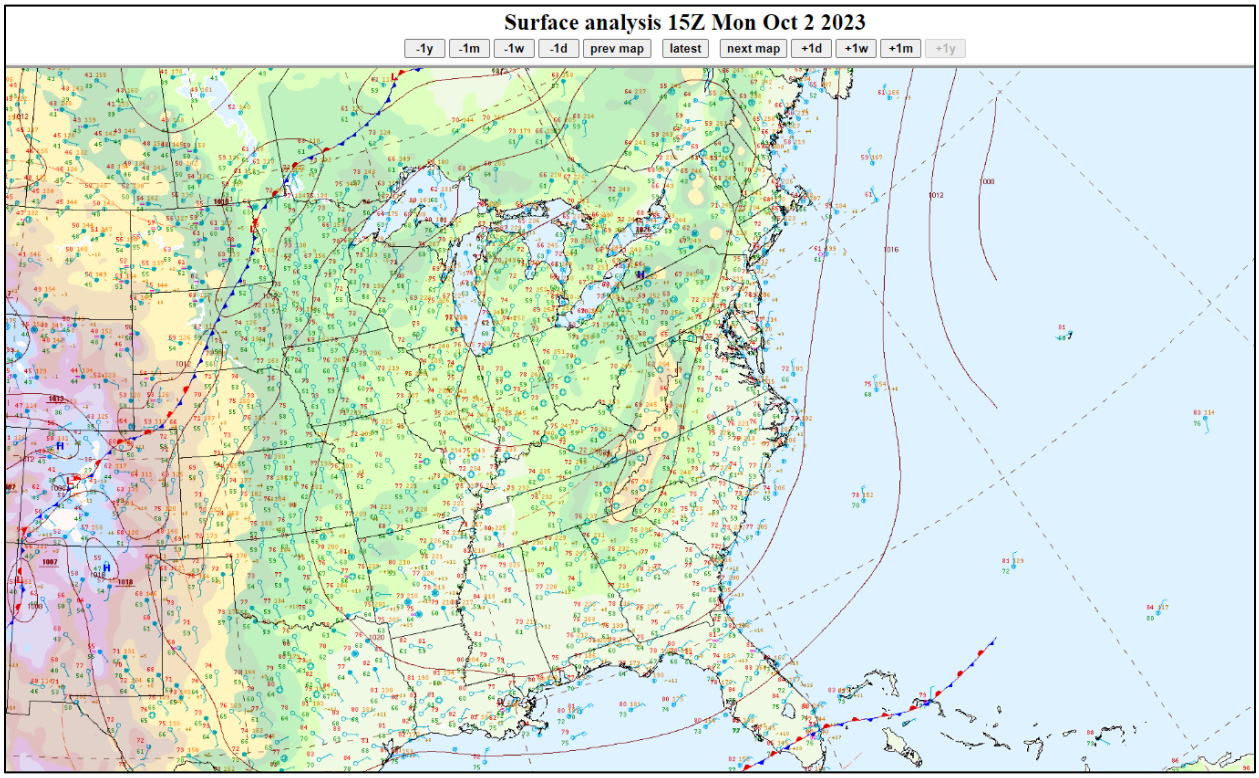
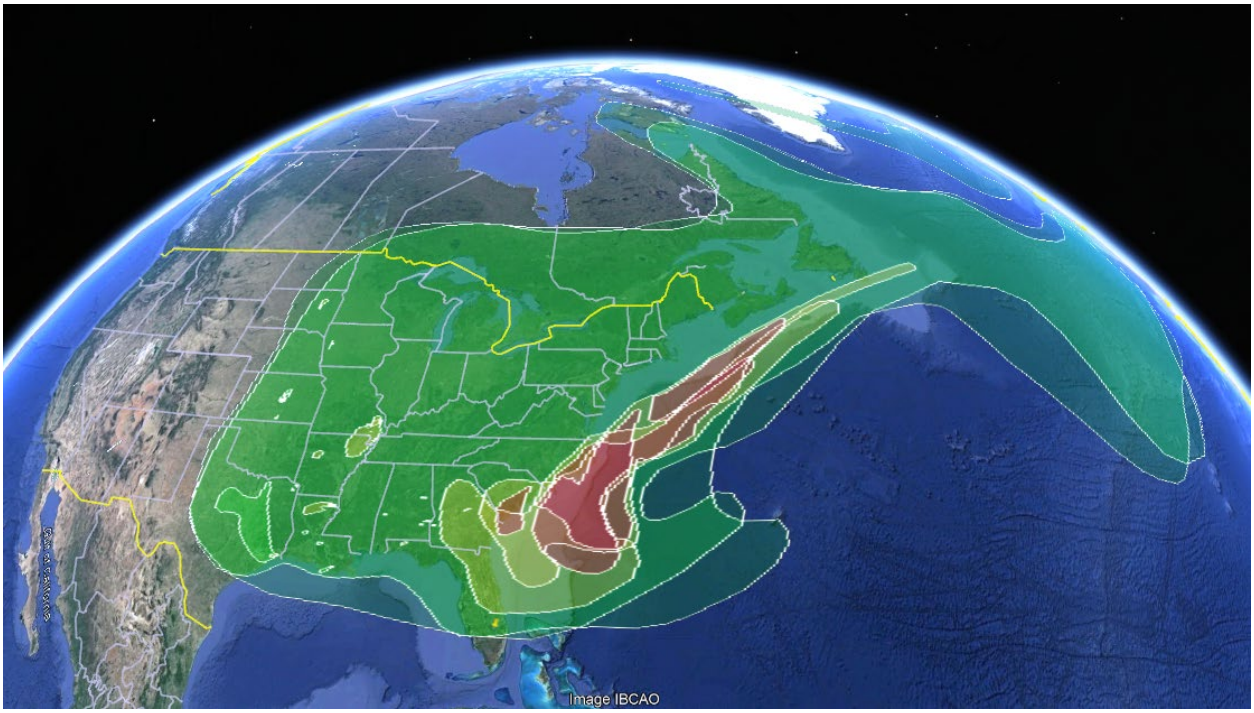


Figure 9: October 2, 2023, Smoke Layer from Hazard Map.



On October 3, the smoke-filled air was trapped from continuing moving south by a stationary front across the southern tip of Florida (**Figures 10 and 11**). It inundated most of the state with $PM_{2.5}$ concentrations over the daily NAAQS (**Figure 15**).

Figure 10: October 3, 2023, 09 Z Surface Analysis Weather Predictive Center.

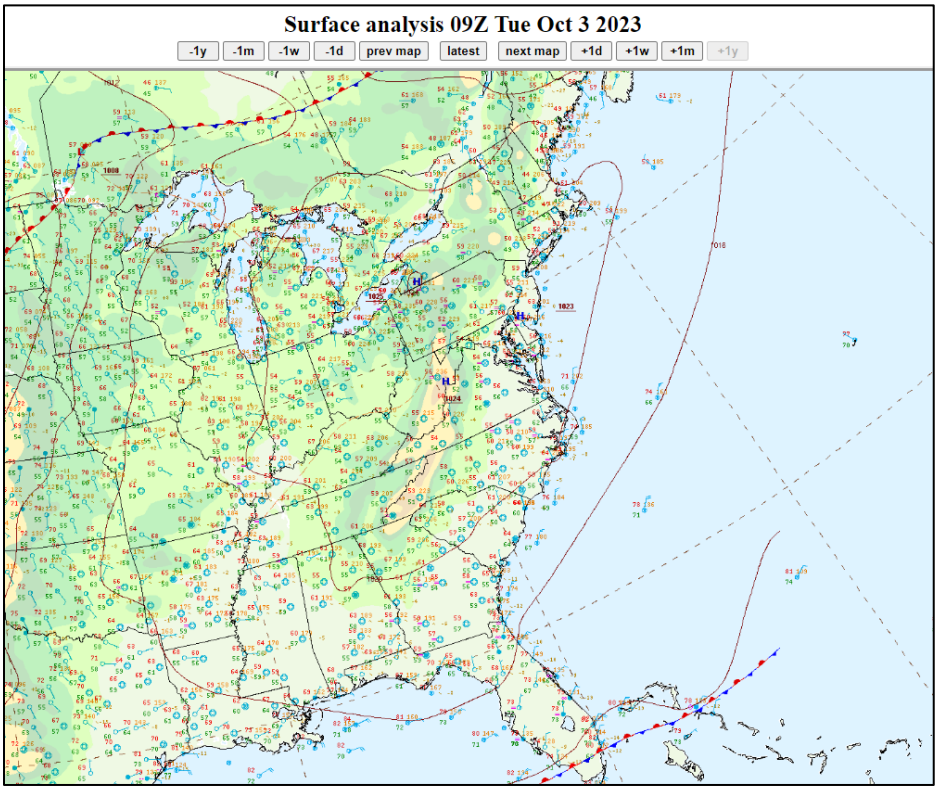
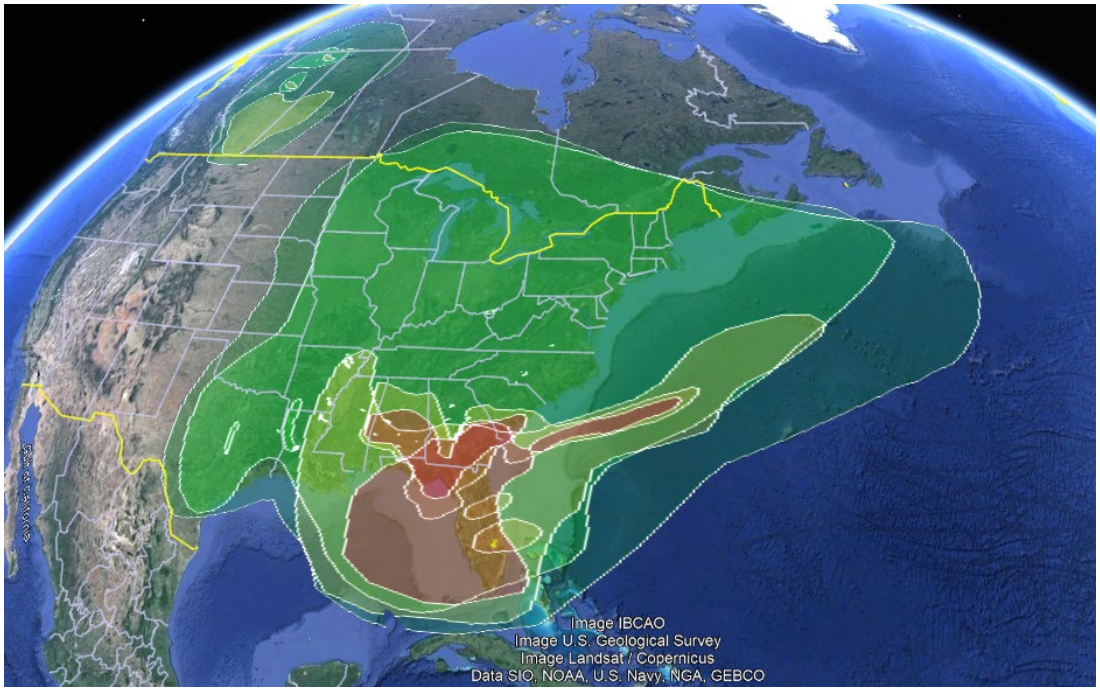


Figure 11: October 3, 2023, Smoke Layer from Hazard Map.



On October 4, the cold front that had been blocking the smoke plume had dissipated as had the plume itself (**Figure 12 and 13**). The $PM_{2.5}$ daily concentrations were still at elevated levels (**Figure 16**).

Figure 12: October 4, 2023, 15 Z Surface Analysis Weather Predictive Center.

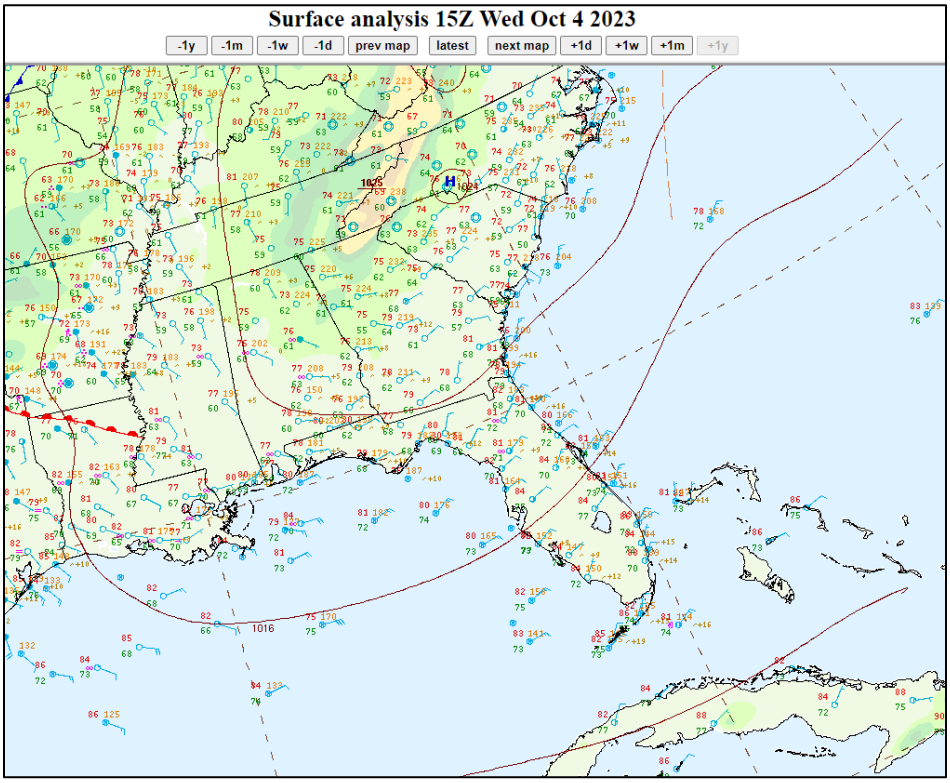
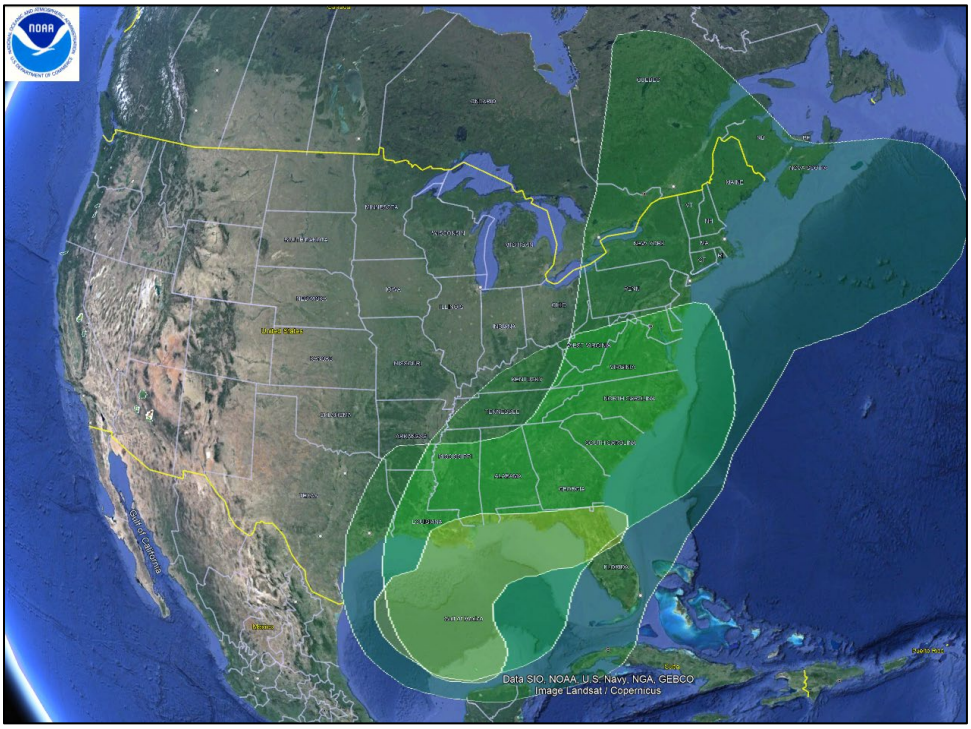
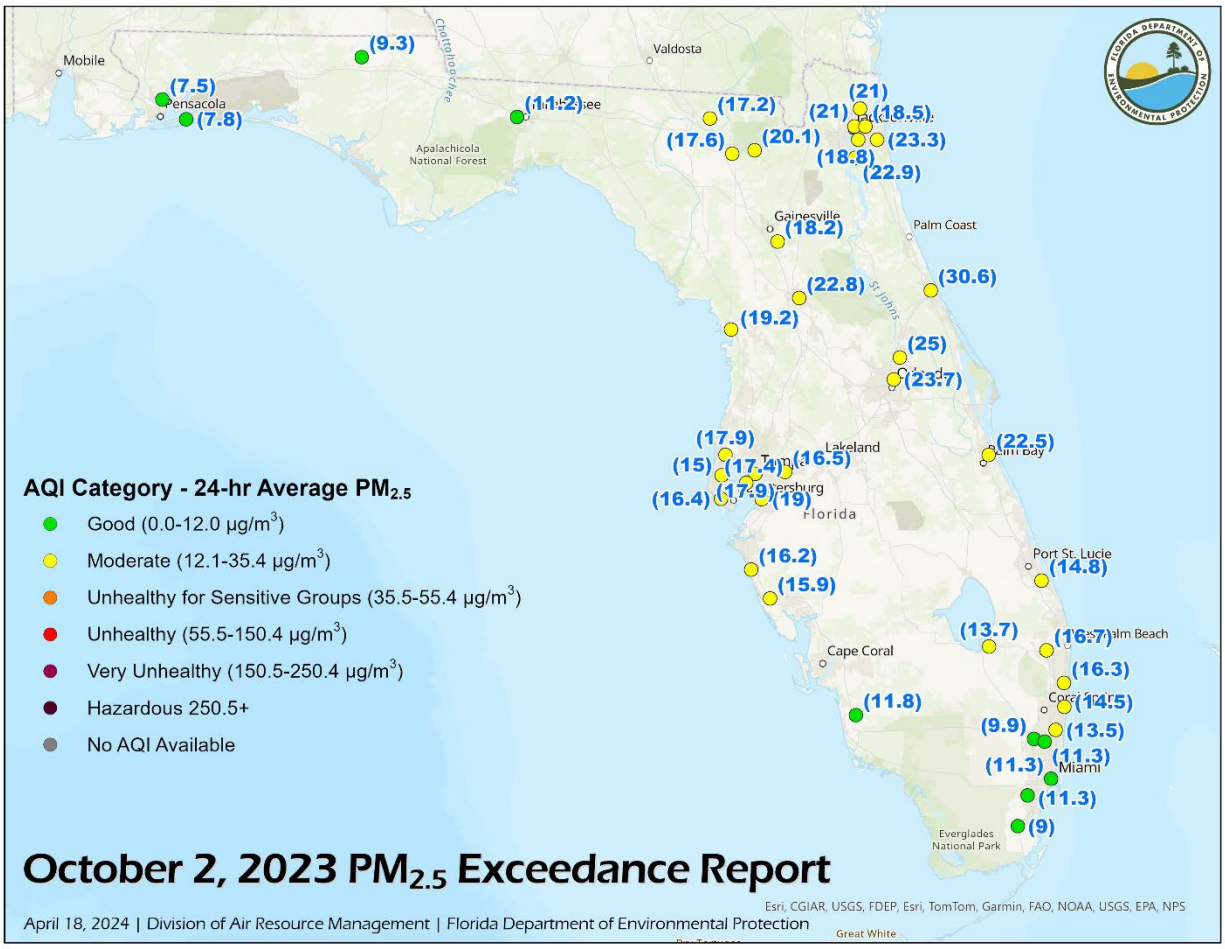


Figure 13: October 4, 2023, Smoke Layer from Hazard Map.



This level of $PM_{2.5}$ concentration in Florida is very unusual. The concentrations for the exceedances on October 3 were all Tier 1 events, meaning they were 1.5 times the highest 98th percentile of data for the last 5 years, as identified in the Environmental Protection Agency's Tiering Tool.[4] The tiered graphs for each site are contained in Appendix A.

Figure 14: Florida $PM_{2.5}$ 24 - hour Concentrations October 2, 2023.



[4] U.S. Environmental Protection Agency. "Tiering Tool – for Exceptional Events Analysis". Air Quality Analysis. U.S. Environmental Protection Agency, March 26, 2024, https://www.epa.gov/air-quality-analysis/tiering-tool-exceptional-events-analysis.

Figure 15: Florida $PM_{2.5}$ 24 - hour Concentrations October 3, 2023.

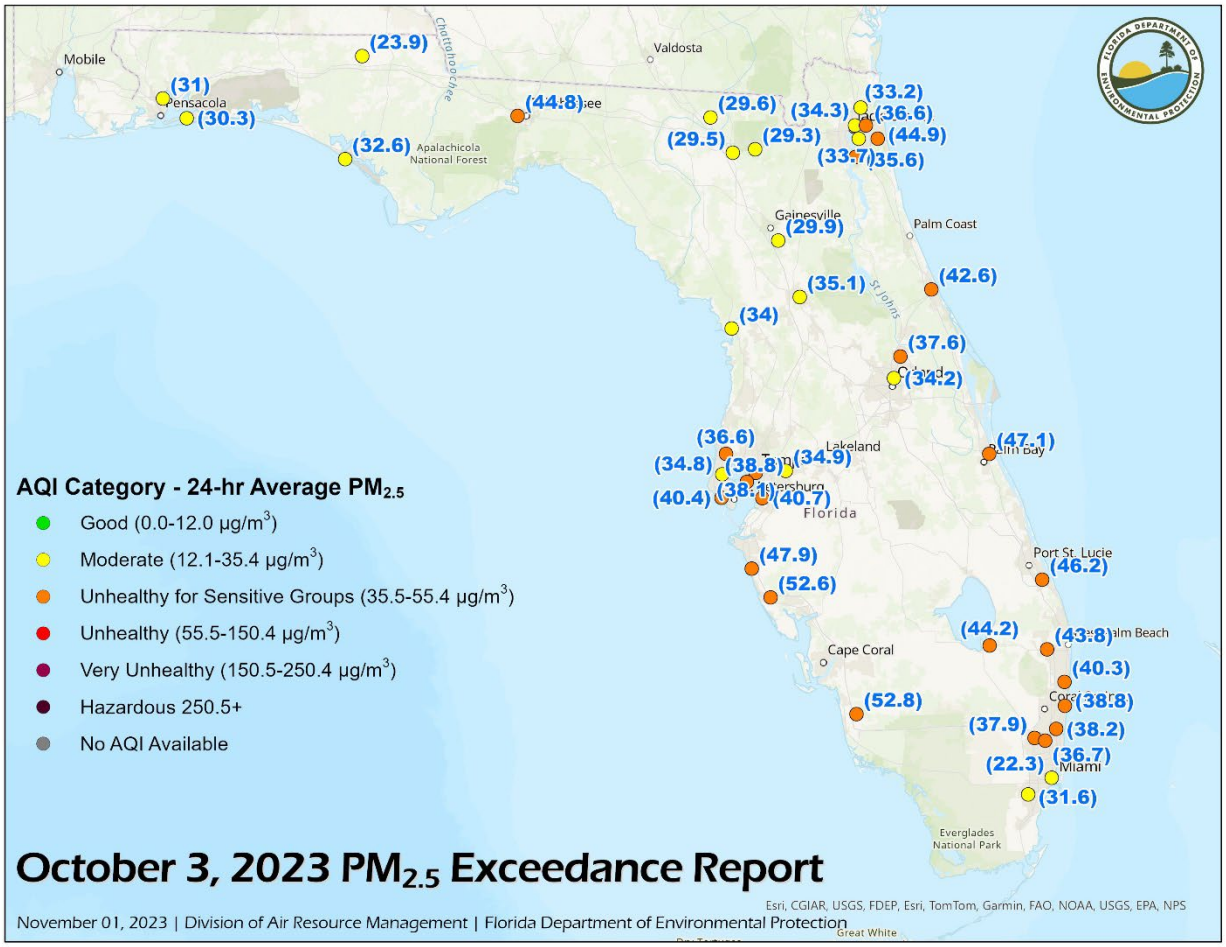
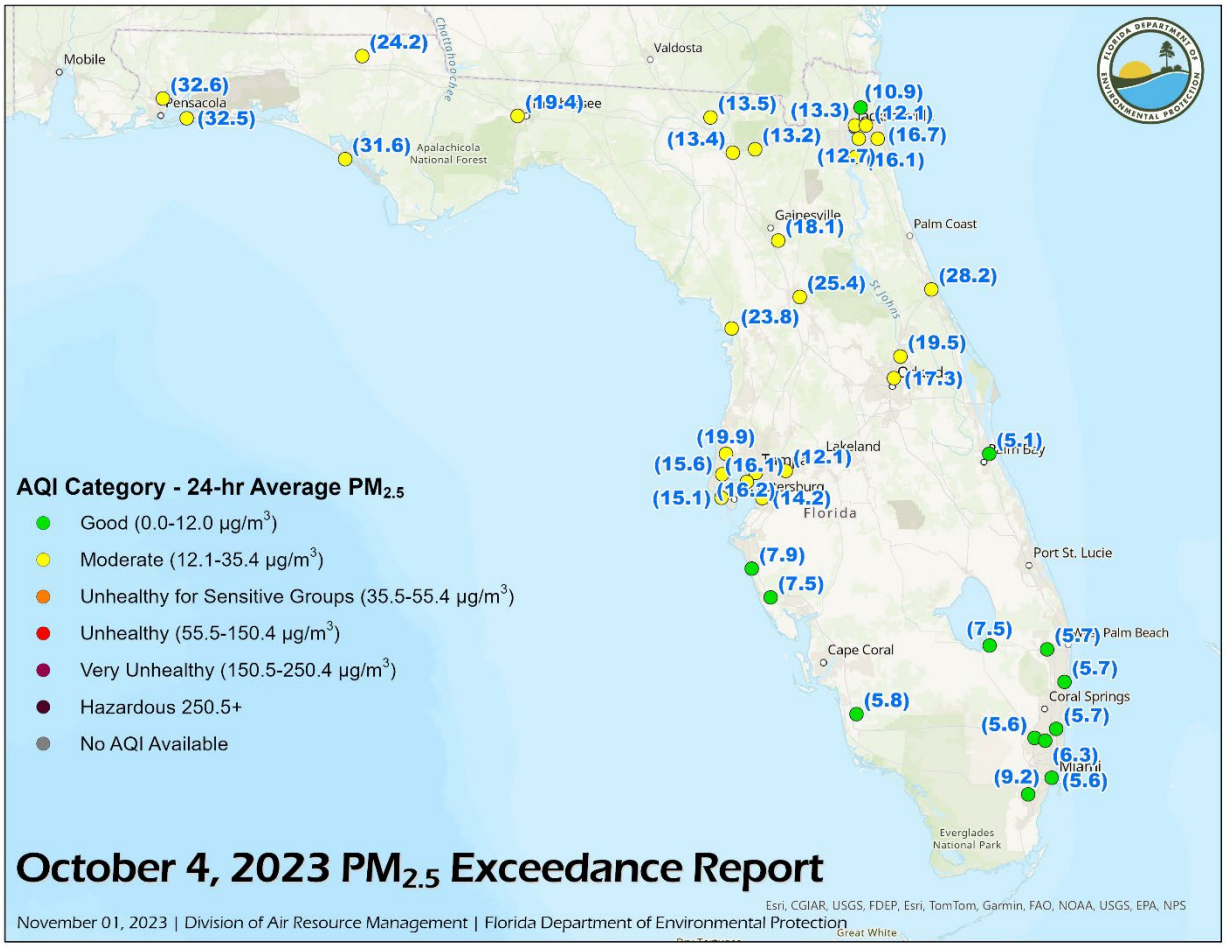


Figure 16: Florida $PM_{2.5}$ 24 - hour Concentrations October 4, 2024.



Section IV. Clear Causal Relationship

This section satisfies the following federal requirements:

- The event affected air quality in such a way that there exists a clear, causal relationship between the specific event and the monitored exceedance(s) or violation(s). (*40CFR 50.14 (c)(3)(iv)(B))*
- Analyses comparing the claimed event-influenced concentration(s) to concentrations at the same monitoring site(s) at other times. (*40 CFR 50.14(c)(3)(iv)(C)*)

The Exceptional Event Rule requires that a clear causal relationship exists between the measured exceedances and the exceptional event to demonstrate that the exceptional event caused a specific air pollution concentration at a particular air quality monitoring location. The analysis provided in this section is consistent with the clear causal relationship examples provided in the Final Rule on the Treatment of Data Influenced by Exceptional Events.

This demonstration follows the process described in the PM2.5 Wildland Fire Exceptional Events Tiering Document.[5] It states:

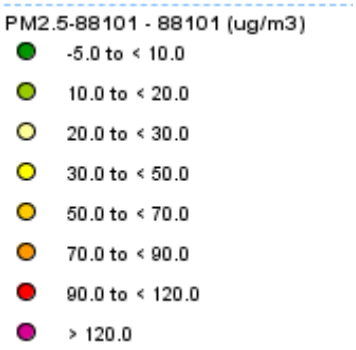
This document outlines a tiered approach for addressing the clear causal relationship element within a wildland fire $PM_{2.5}$ demonstration, recognizing that some causal relationships may be clearer and, therefore, require relatively fewer pieces of evidence to satisfy the rule requirements.

Tier 1 clear causal analyses are intended for wildland fire events that cause unambiguous $PM_{2.5}$ impacts well above historical 24-hour concentrations, thus requiring fewer pieces of evidence to establish a clear causal relationship. While Florida is a state with a robust prescribed burning program, the Florida Forest Service has incorporated a requirement into their prescribed burn authorization process that considers Air Quality forecasts. If there is an Air Quality Forecast for Unhealthy for Sensitive Groups or higher, no burn authorizations will be issued for that county. For October 3, forecasts for sixteen counties had an Air Quality Forecast of USG, and on October 4, 8 counties had a USG forecast, so prescribed burns were much reduced. Additionally, October is not part of Florida's intense spring prescribed burning season. Prescribed burns during this event did not impact the concentrations sufficiently to change the Causal Relationship.

[5] U.S. Environmental Protection Agency. $PM_{2.5}$ Wildland Fire Exceptional Events Tiering Document, January 2024, 8.

4.1 Canadian Wildfire Smoke Impacting Florida Monitors

Figure 17: AirNow Navigator Legend.

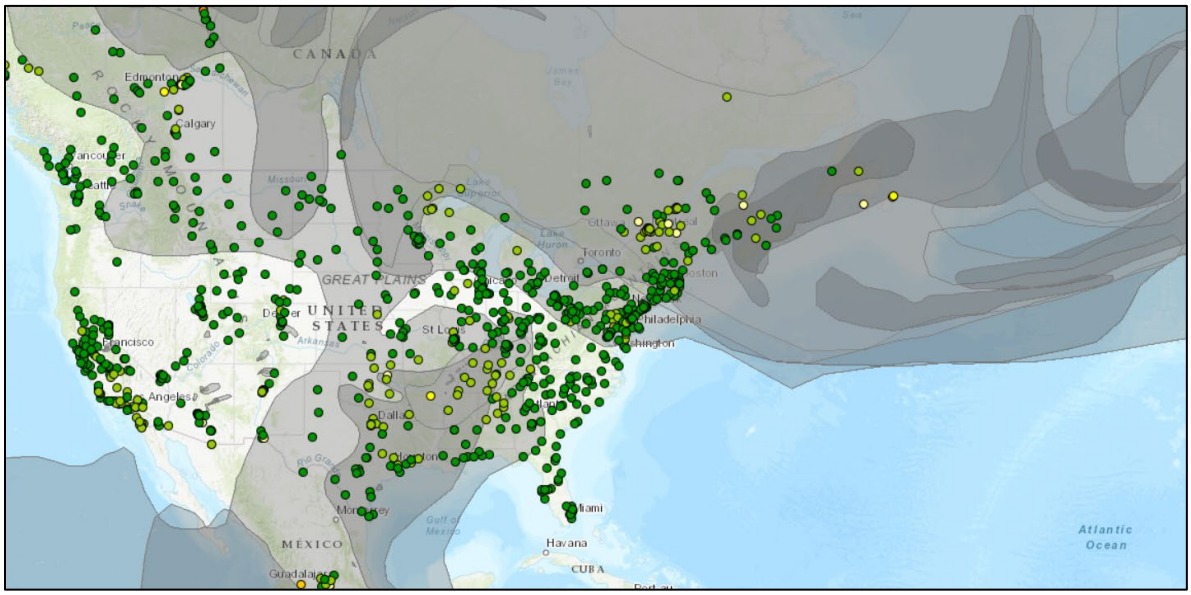


Figures 18-25 show the AirNow Navigator Data Fusion Tool with the HMS Smoke from satellites and the $PM_{2.5}$ 24-hour average for September 27-October 4.[6] The legend for the images (**Figure 17**) does not use the AQI breakpoints exactly. The light green covers concentrations that range from Good well into the Moderate category.

The images show, starting with **Figure 18**, that the $PM_{2.5}$ concentrations that were elevated to Moderate were in Quebec on September 27. They became more numerous on September 28 (**Figure 19**) and by September 29 – October 1 (**Figures 20- 22**) the concentrations had started to reach Unhealthy for Sensitive Groups under the plume of smoke.

The image of October 2 (**Figure 23**) shows the rapidly moving smoke plume was impacting the US east coast with Moderate levels of $PM_{2.5}$ which extended into the majority of Florida. On October 3 (**Figure 24**), the $PM_{2.5}$ concentrations in Florida were widespread Unhealthy for Sensitive Groups Level, as seen in **Figure 15**. By October 4 (**Figure 25**), the northern part of the state was still dealing with Moderate level $PM_{2.5}$ from the lingering smoke.

Figure 18: AirNow Navigator September 27, 2023.



[6] U.S. Environmental Protection Agency, "AirNow Navigator" AirNowTech, Tantus Technologies, Inc., February 21, 2024, https://www.airnowtech.org/.

Figure 19: AirNow Navigator September 28, 2023.

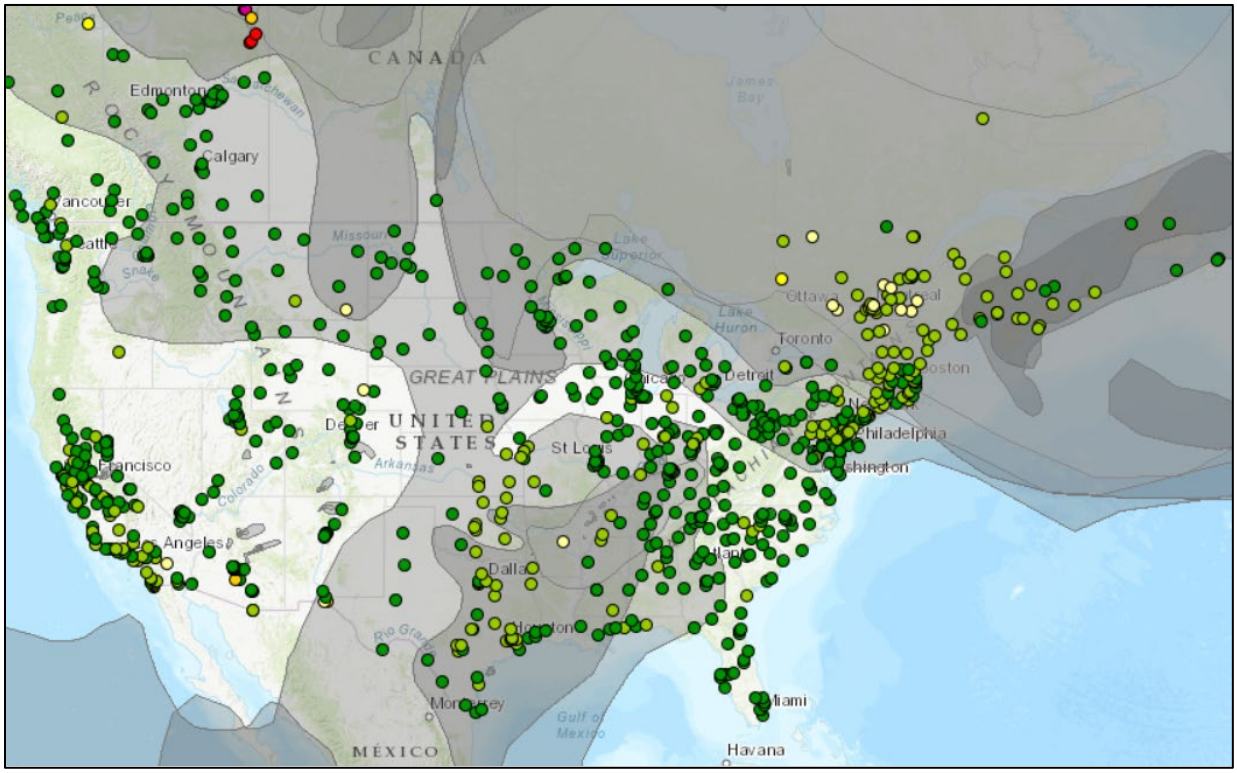


Figure 20: AirNow Navigator September 29, 2023.

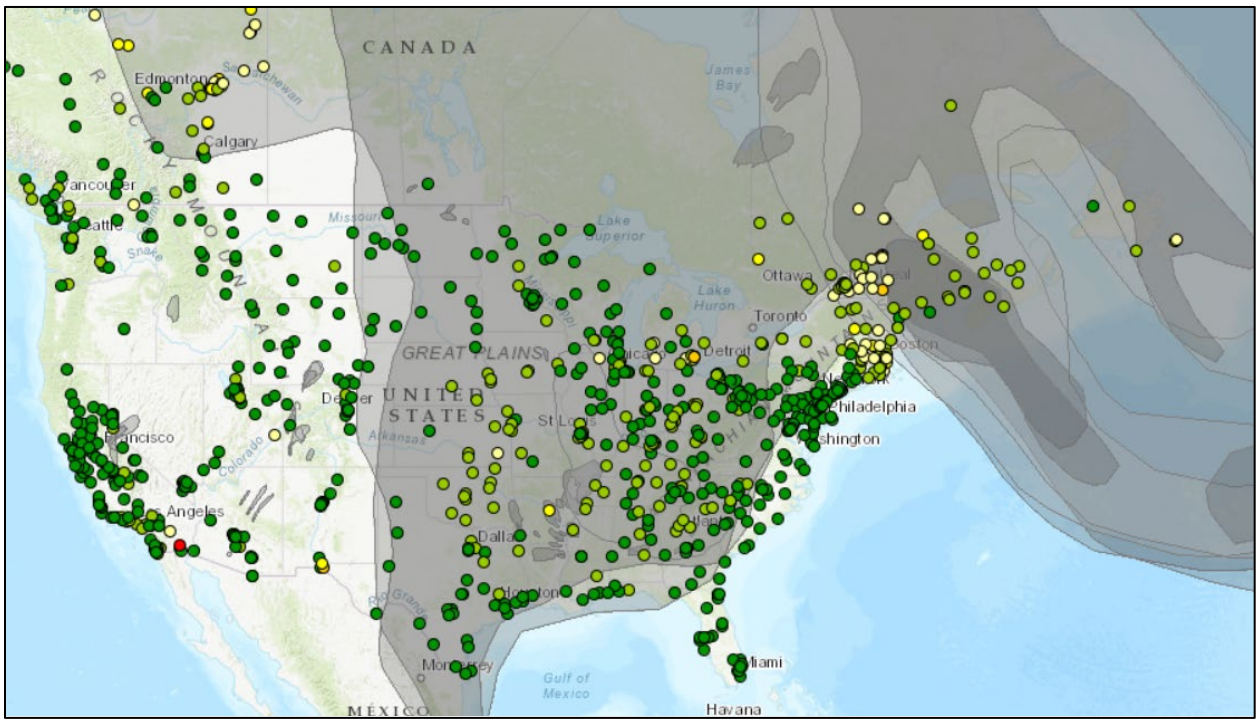


Figure 21: AirNow Navigator September 30, 2023.

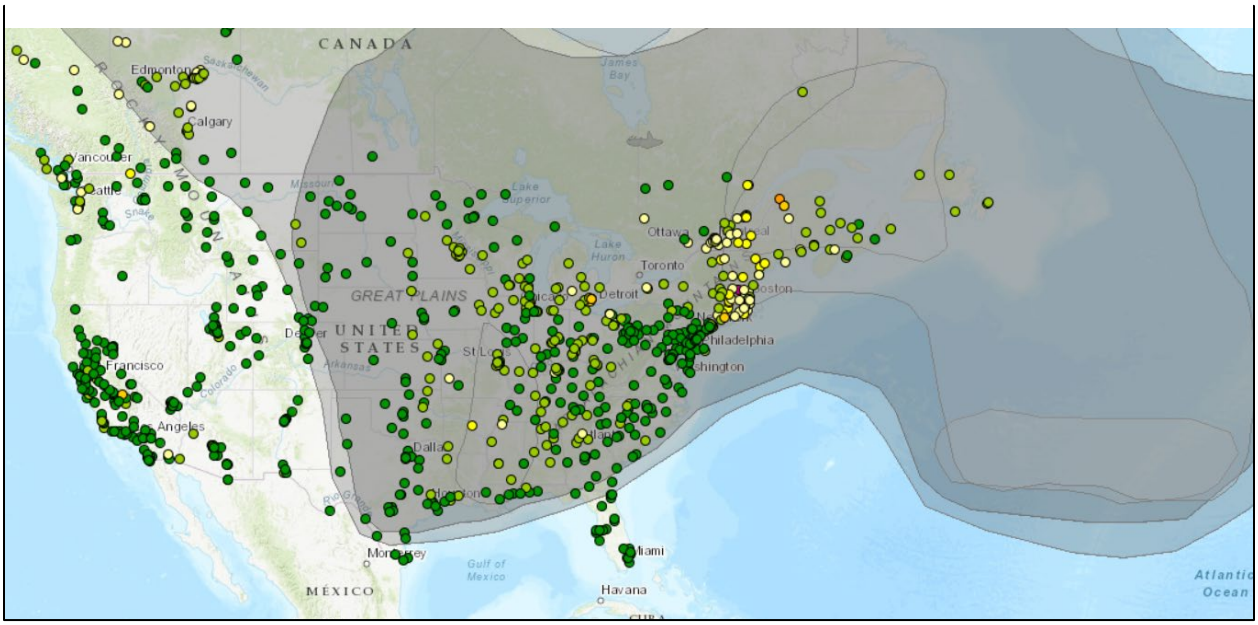


Figure 22: AirNow Navigator October 1, 2023.

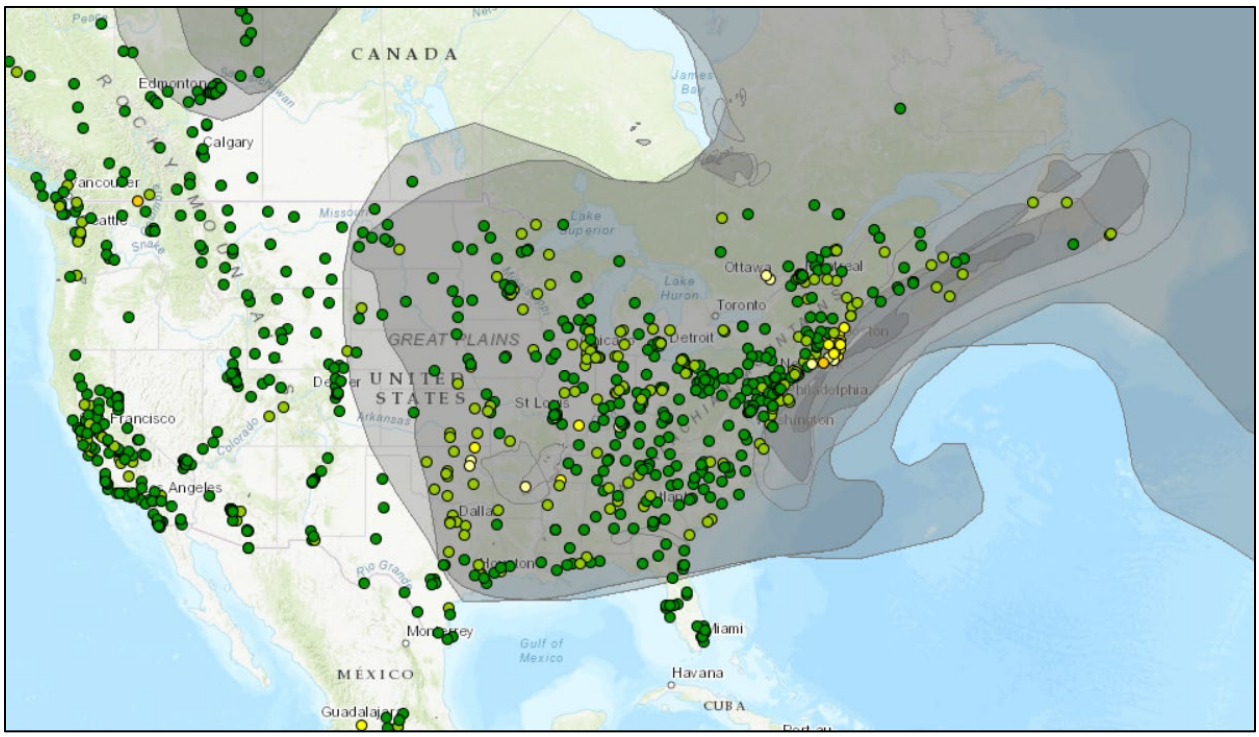


Figure 23: AirNow Navigator October 2, 2023.

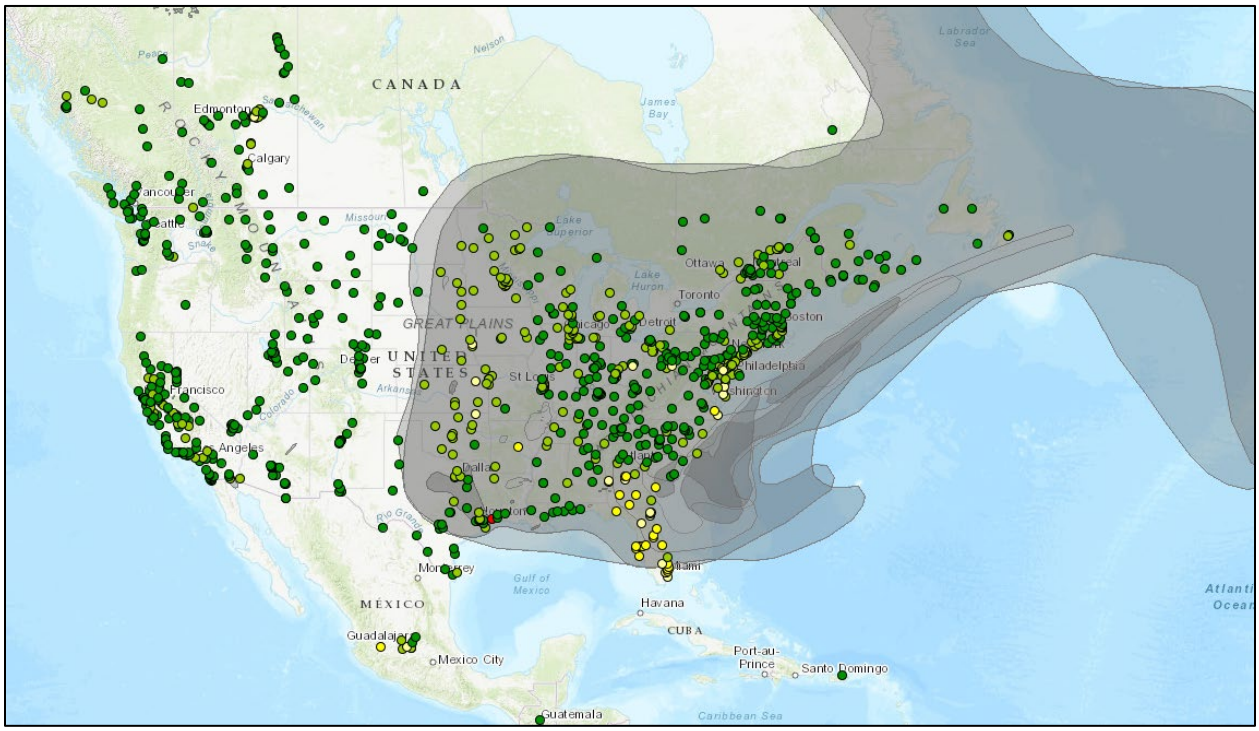


Figure 24: AirNow Navigator October 3, 2023.

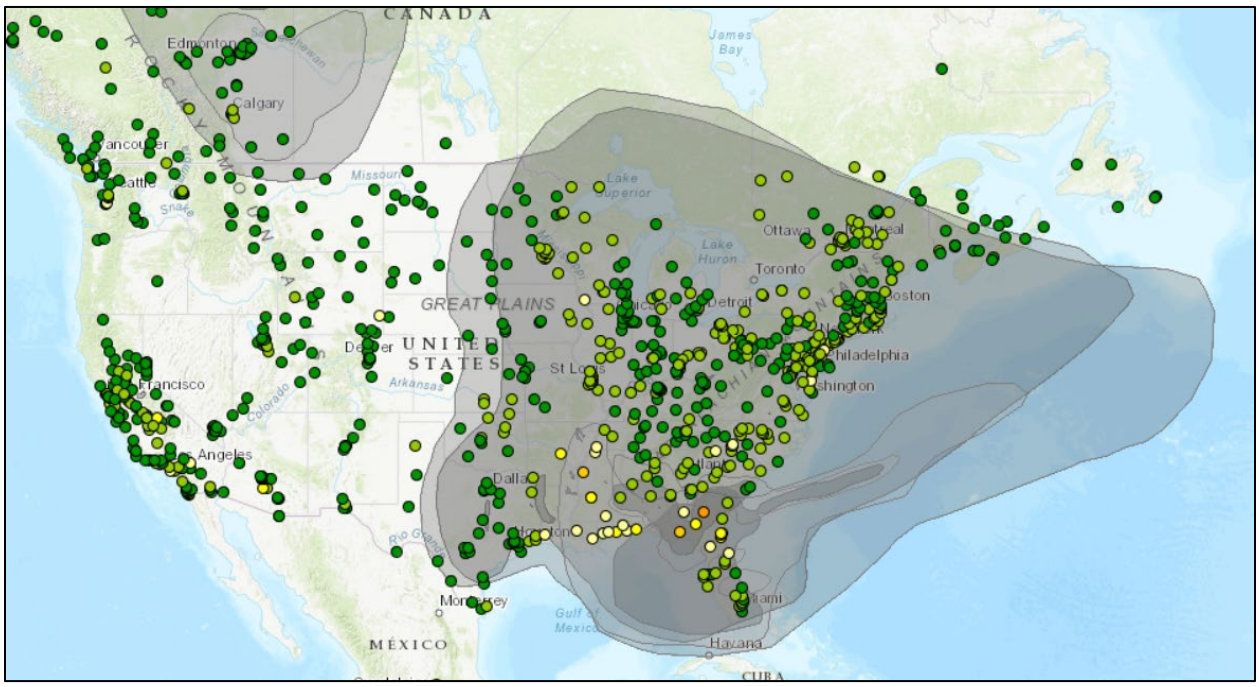
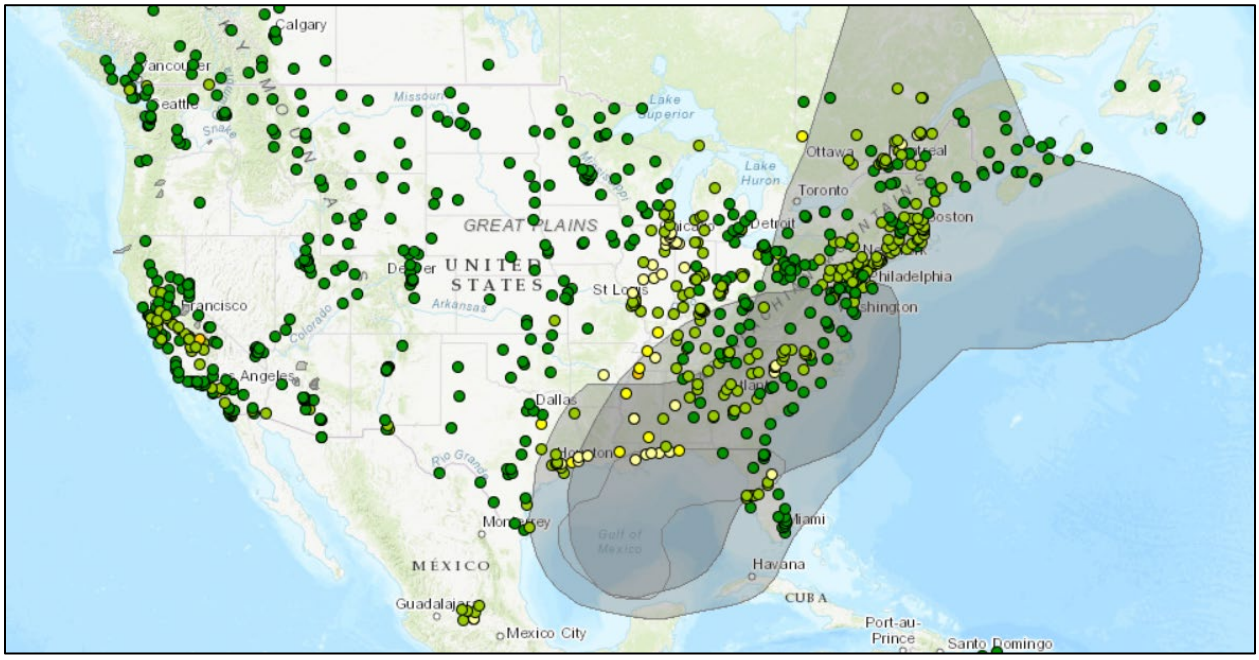


Figure 25: AirNow Navigator October 4, 2023.



Section V. Not Reasonably Controllable or Not Reasonably Preventable

This section satisfies the following federal requirements:

The event was cause by a natural event (*40 CFR 50.14 (c)(3)(iv)(A) and 40 cfr 50.1(j)*),

An exceptional event is on that is not reasonably controllable or preventable (*40 CFR 50.14 (a)(8)(vii) and 40 CFR 50.14(b)(4)*)

Section 40 CFR 50.14 (a)(8)(vii) provides that a state would not be required to provide case-specific justification to support the not reasonable controllable or preventable when the emissions-generating event was outside the State, as was the case with the Canadian wildfires. Specifically, Section 40 CFR 50.14 (a)(8)(vii) states:

> The Administrator shall not require a State to provide case-specific justification to support the not reasonably controllable or preventable criterion for emissions-generating activity that occurs outside of the State's jurisdictional boundaries within which the concentration at issue was monitored.

Section VI. Human Activity Unlikely to Recur at a Particular Location or Natural Event

This section satisfies the following federal requirement:

A demonstration that the event was a human activity that is unlikely to recur at a particular location or was a natural event.

The Exceptional Event Rule requires a demonstration that the event was a human activity that is unlikely to recur at a particular location or was a natural event (40 CFR 50.14(c)(3)(iv)(E)). The definition of wildfire in the Exceptional Events Rule is: "…is any fire started by an unplanned ignition caused by lightning; … A wildfire that predominately occurs on wildland is a natural event." As stated in Section III and IV, the origin and evolution of the 2023 Canadian wildfires occurred across Canada. As shown in Figure 2, the fires burned in remote areas.

In the Exceptional Event Rule, EPA clarifies that an event could be considered a natural event by applying the reasonable interpretation that the anthropogenic source had ''little'' direct causal role.

6.1 Wildfire is a Natural Event

Based on the documentation provided in Section III and Section IV of this demonstration, the event qualifies as a wildfire because lightning caused the unplanned wildfire event. The EPA generally considers the emissions of $PM_{2.5}$ from wildfires on wildland to meet the regulatory definition of a natural event at 40 CFR 50.1(k), defined as one 'in which human activity plays little or no direct causal role.' This wildfire event occurred on wildland as shown in **Figure 2**. NASA noted that many of the Canadian fires were ignited by summer lightning storms (see Section 3.1). They were largely burning in deeply wooded areas. An increase in the wildfire activity occurred from September 26 – October 1 due to wind events.[7] The Florida Department of Protection Division of Air Resource Management has shown that the event is a natural event and should be considered for treatment as an exceptional event.

[7] Government of Canada, Natural Resource Canada, "National Wildland Fire Situation Report," Government of Canada, Natural Resource Canada, November 2, 2023, https://cwfis.cfs.nrcan.gc.ca/report.

Section VII. Public Notification

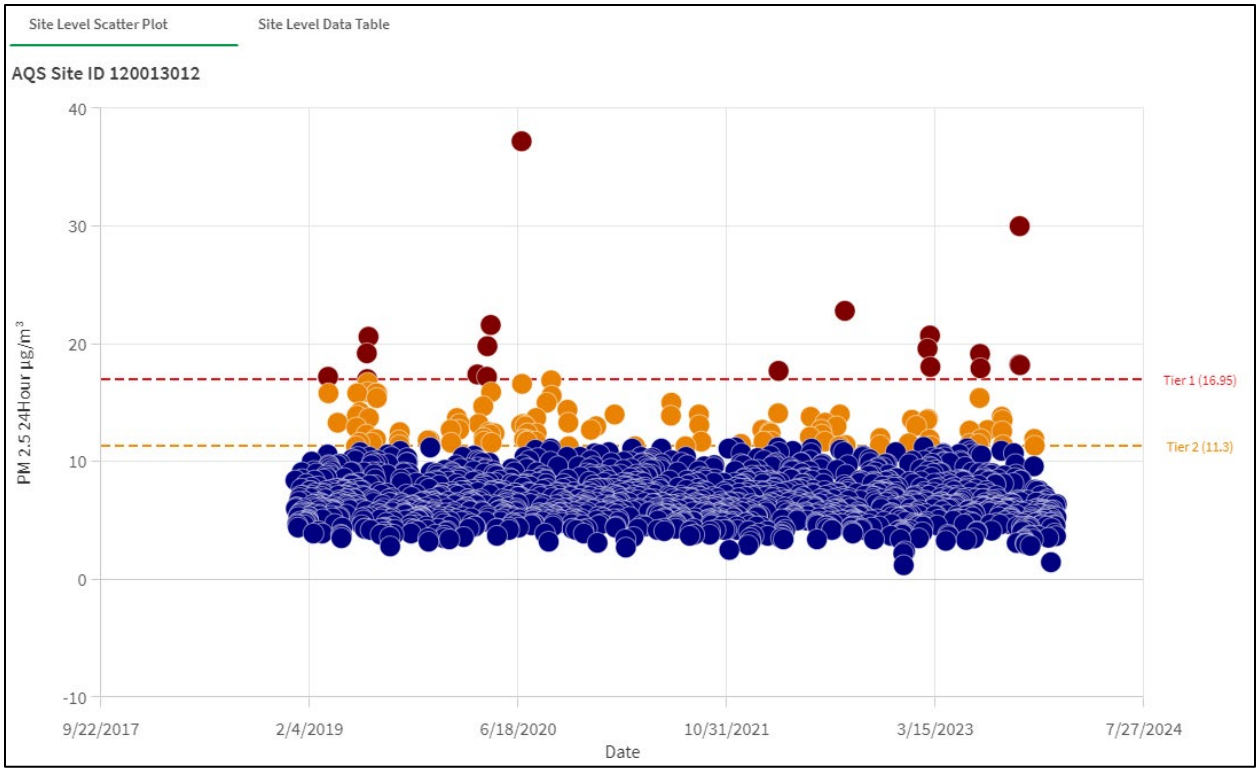
This section satisfies the following federal requirements:

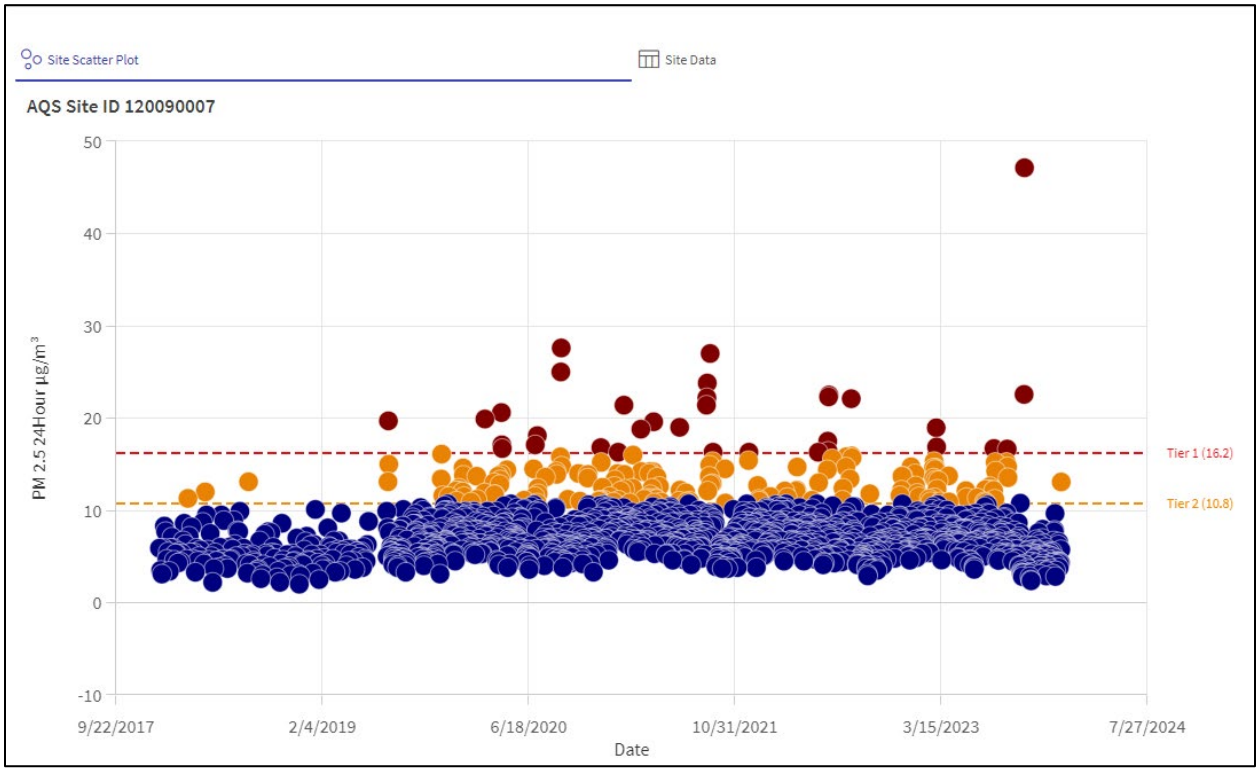
(A) Document that the State followed the public comment process and that the comment period was open for a minimum of 30 days, which could be concurrent the beginning of the Administrator's initial review period of the associated demonstration provided the State can meet all requirements in this paragraph;
(B) Submit the public comments it received along with its demonstration to the Administrator; and
(C) Address in the submission to the Administrator those comments disputing or contradicting factual evidence provided in the demonstration. (*40 CFR 50.14(c)(3)(v)(A, B, C)*)

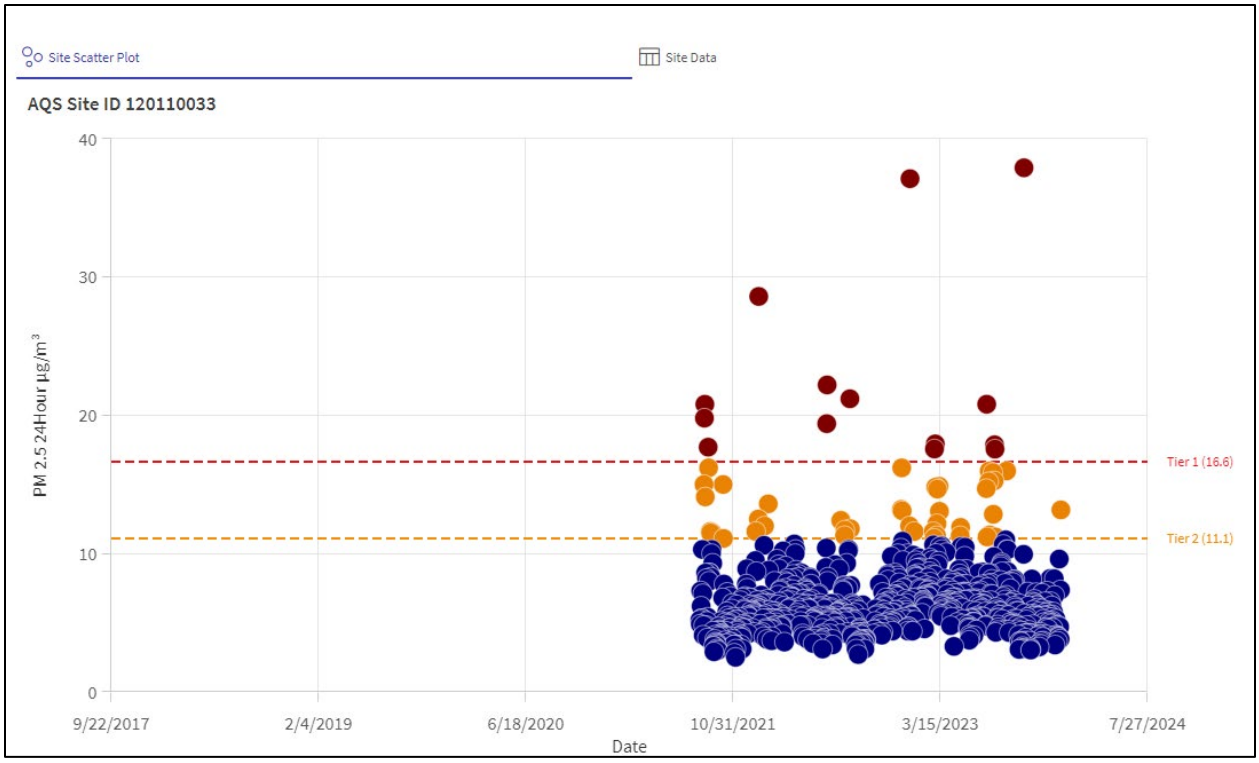
The Florida Department of Environmental Protection Division of Air Resource Management will hold a 30-day public comment period to get public comment regarding the Exceptional Event Demonstration. Notification of the public comment period will be posted on the Florida Department of Environmental Protection Division of Air Resource Management website and emailed to interested stakeholders.

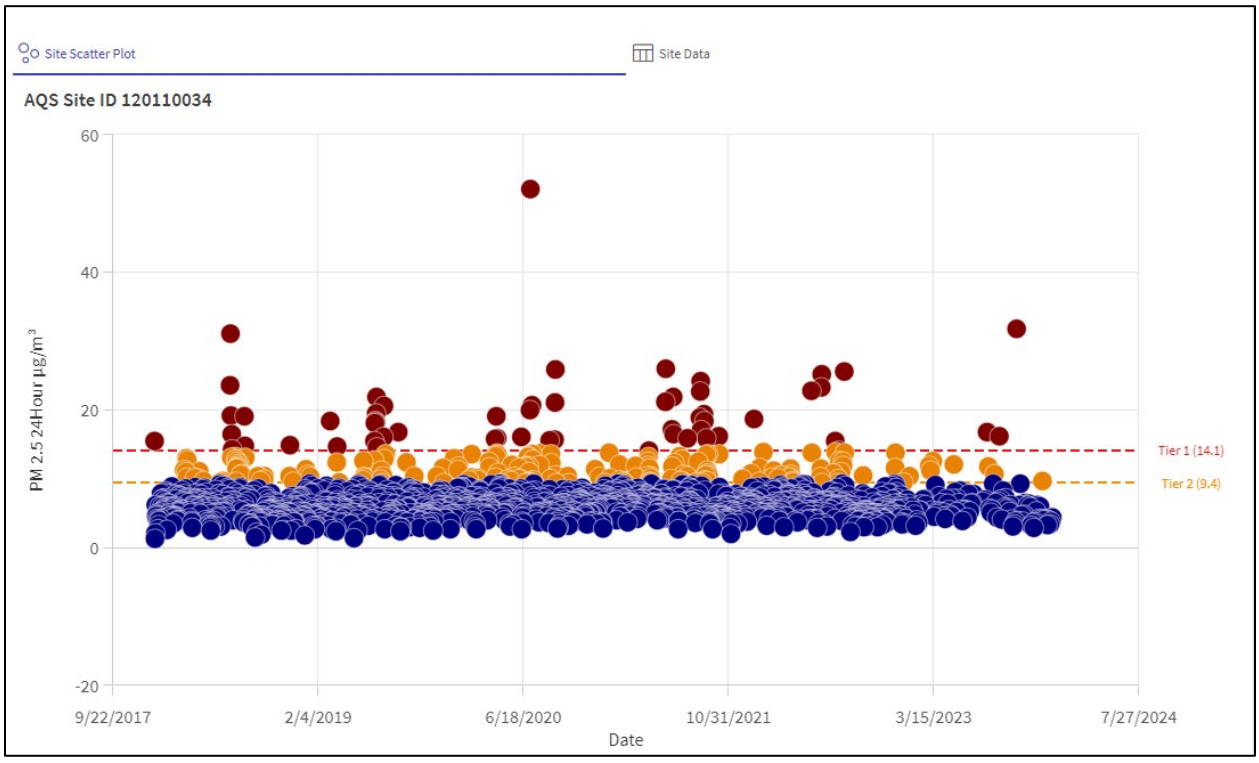
Appendix A

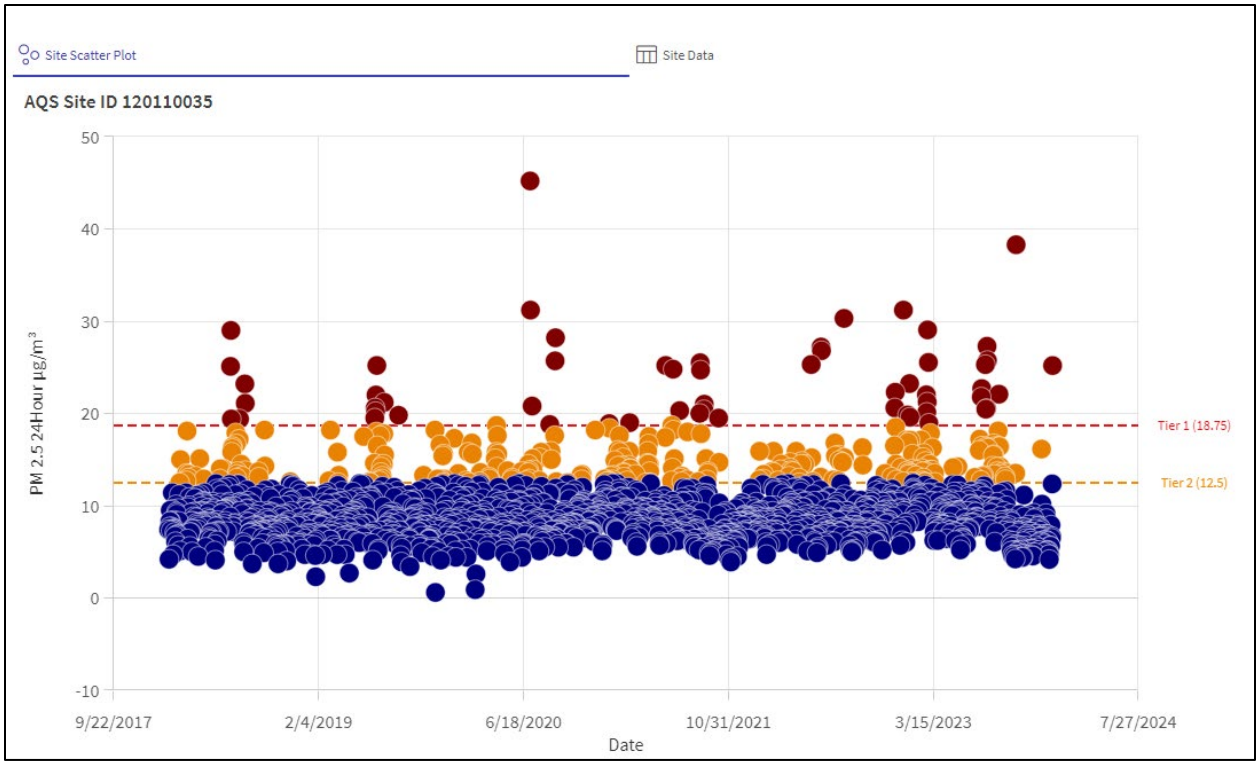
Monitoring Sites Tiering Graphs

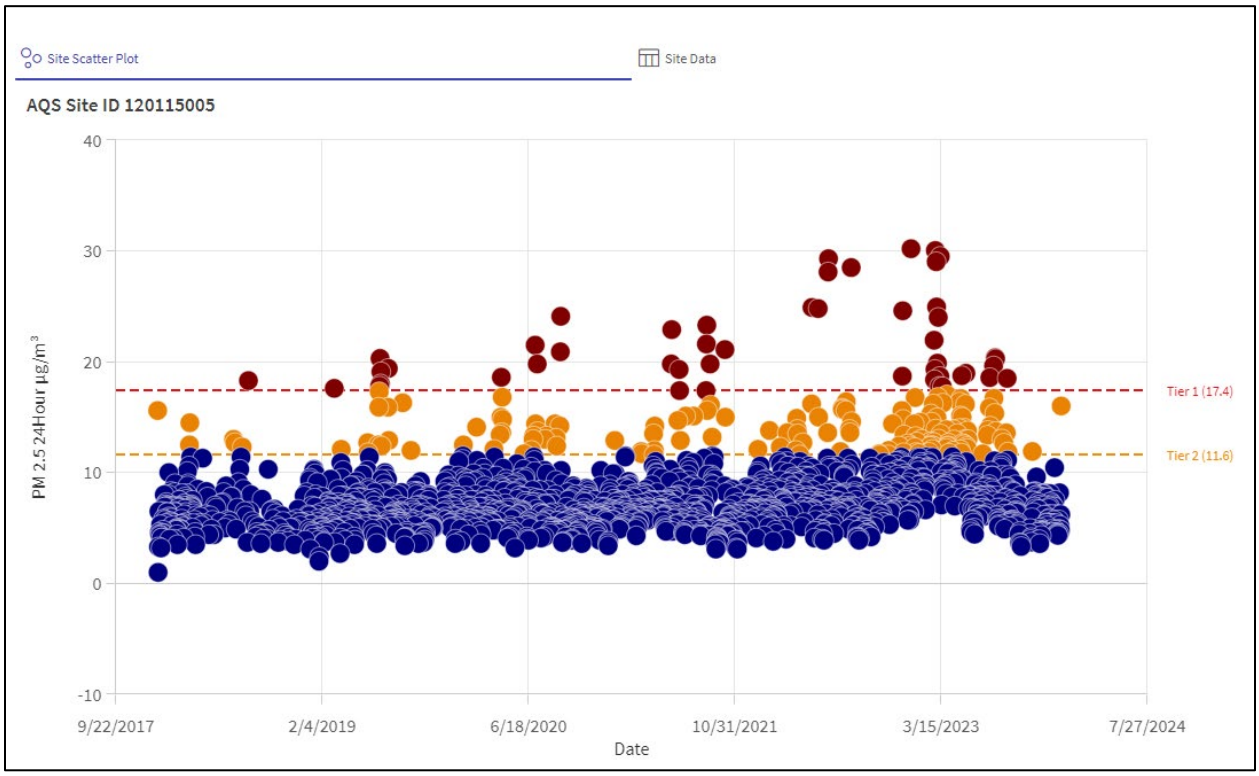

Site Level Scatter Plot
Site Level Data Table
AQS Site ID 120013012
PM 2.5 24Hour µg/m³
40
30
20
10
0
-10
Tier 1 (16.95)
Tier 2 (11.3)
9/22/2017
2/4/2019
6/18/2020
10/31/2021
3/15/2023
7/27/2024
Date

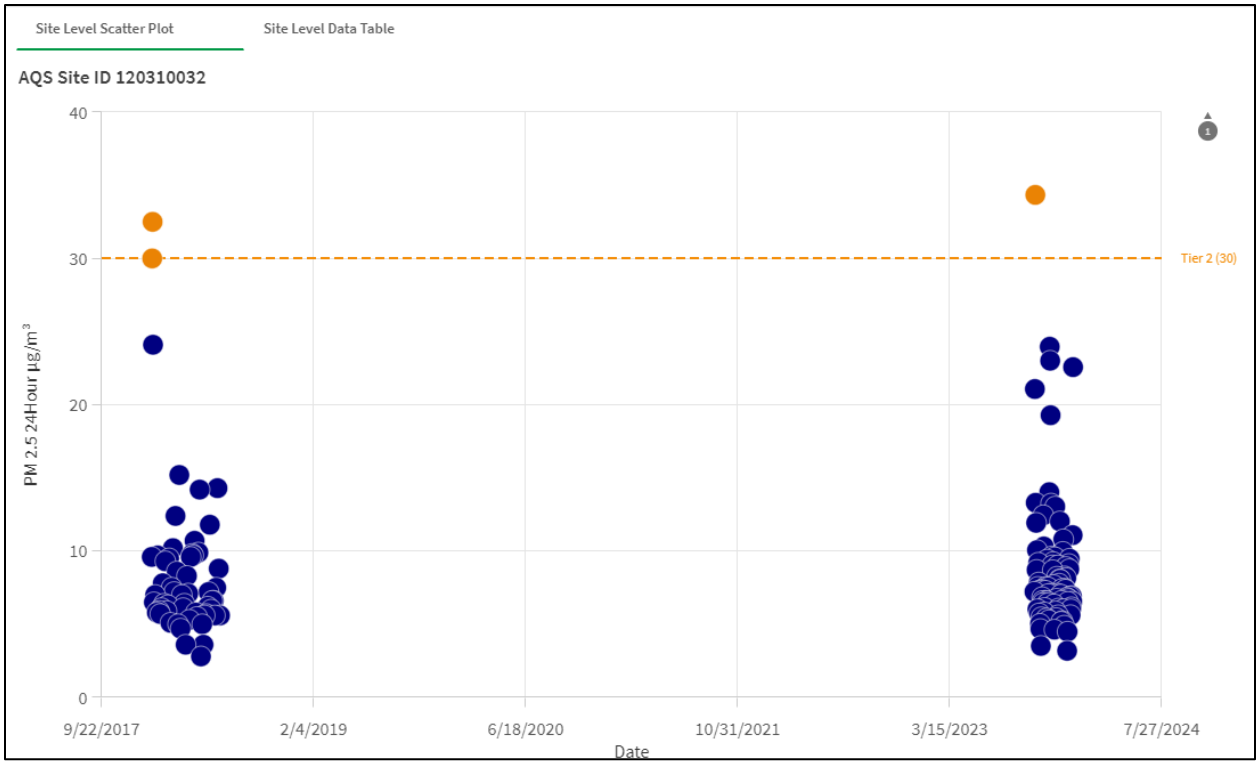

Site Scatter Plot
Site Data
AQS Site ID 120090007
PM 2.5 24Hour µg/m³
50
40
30
20
10
0
-10
Tier 1 (16.2)
Tier 2 (10.8)
9/22/2017
2/4/2019
6/18/2020
10/31/2021
3/15/2023
7/27/2024
Date

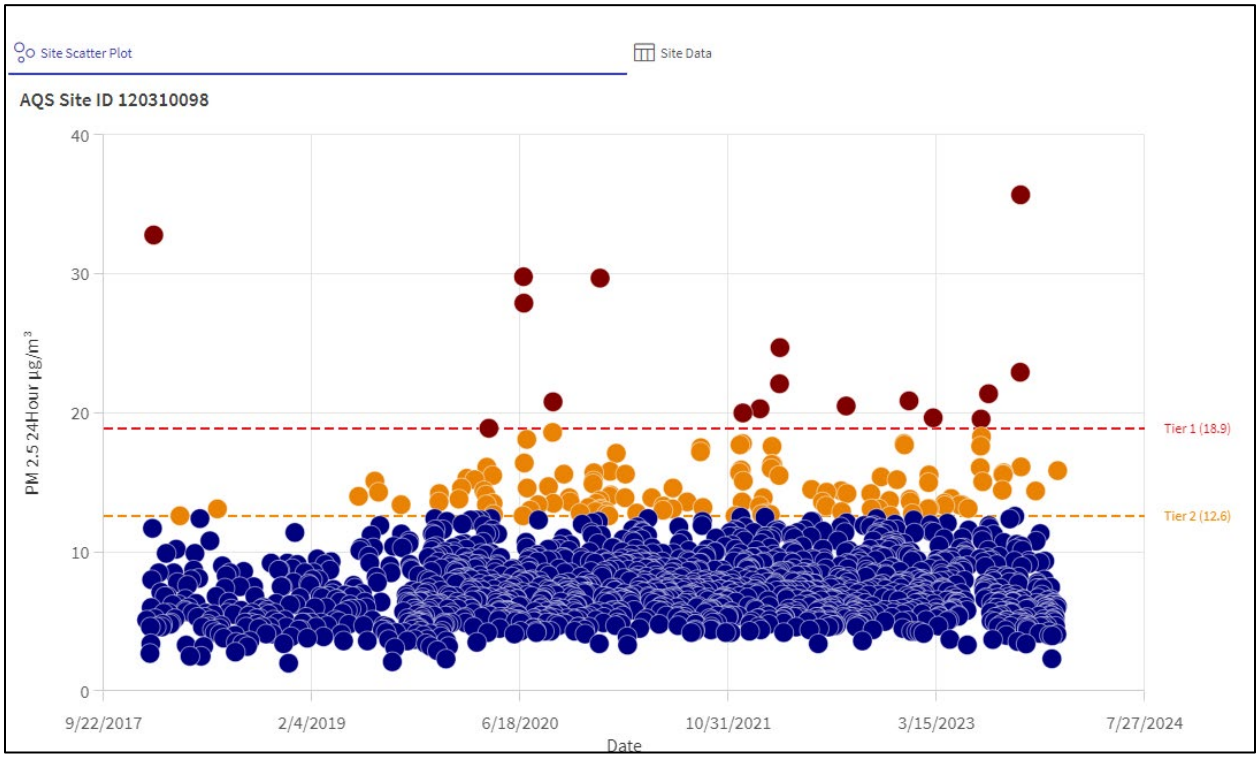

Site Scatter Plot
Site Data
AQS Site ID 120110033
PM 2.5 24Hour µg/m³
40
30
20
10
0
Tier 1 (16.6)
Tier 2 (11.1)
9/22/2017
2/4/2019
6/18/2020
10/31/2021
3/15/2023
7/27/2024
Date

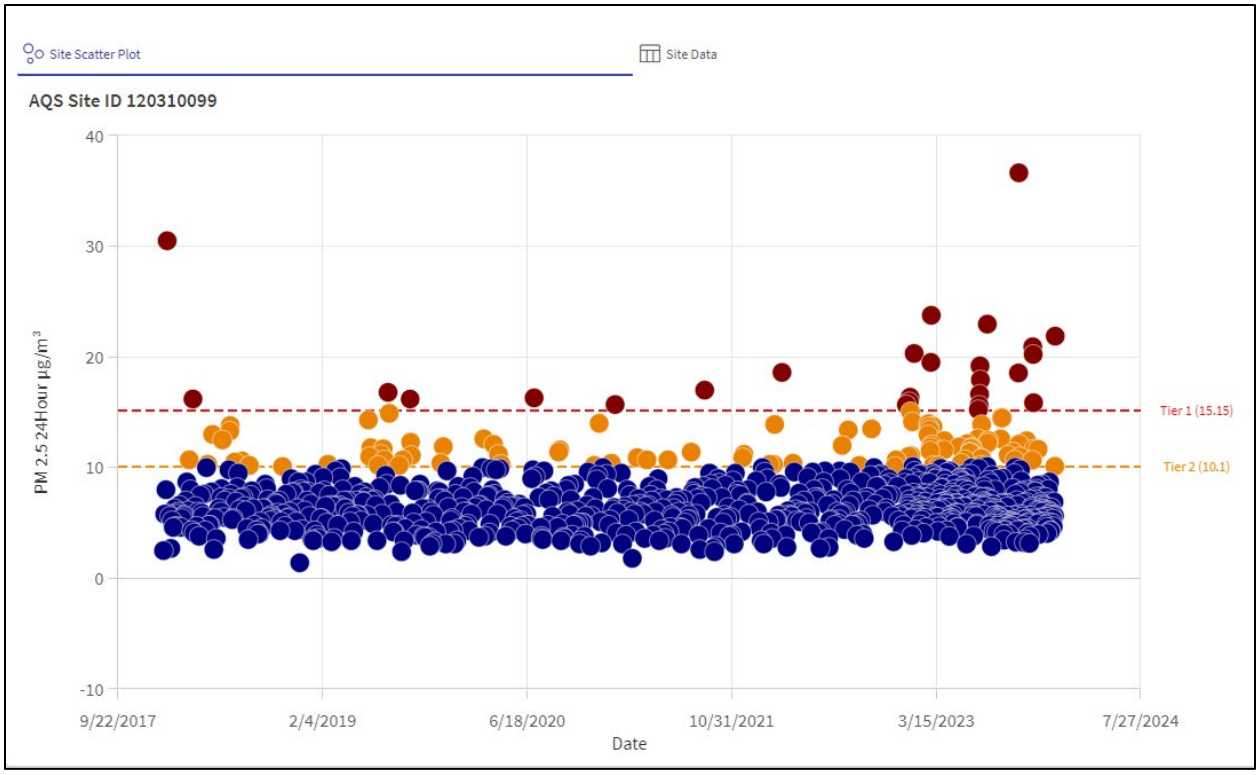

Site Scatter Plot
Site Data
AQS Site ID 120110034
PM 2.5 24Hour µg/m³
60
40
20
0
-20
Tier 1 (14.1)
Tier 2 (9.4)
9/22/2017
2/4/2019
6/18/2020
10/31/2021
3/15/2023
7/27/2024
Date

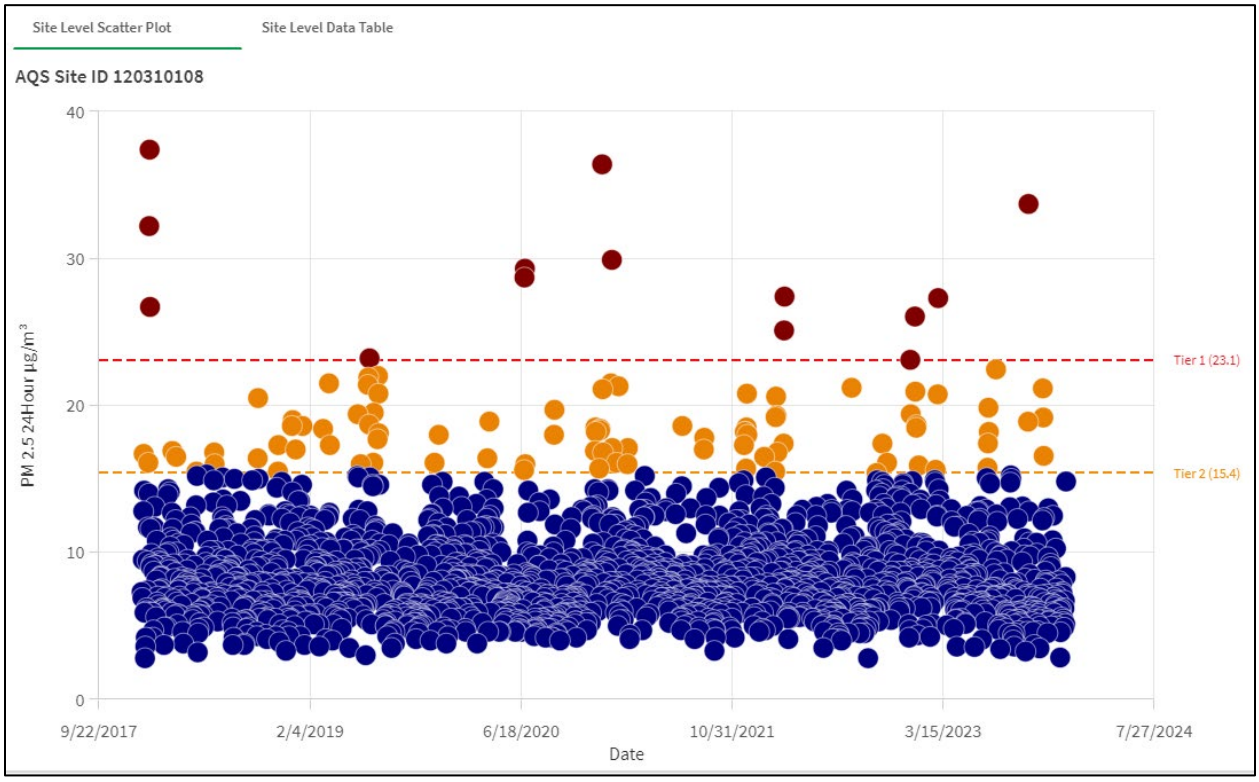

Site Scatter Plot
Site Data
AQS Site ID 120110035
PM 2.5 24Hour µg/m³
50
40
30
20
10
0
-10
Tier 1 (18.75)
Tier 2 (12.5)
9/22/2017
2/4/2019
6/18/2020
10/31/2021
3/15/2023
7/27/2024
Date

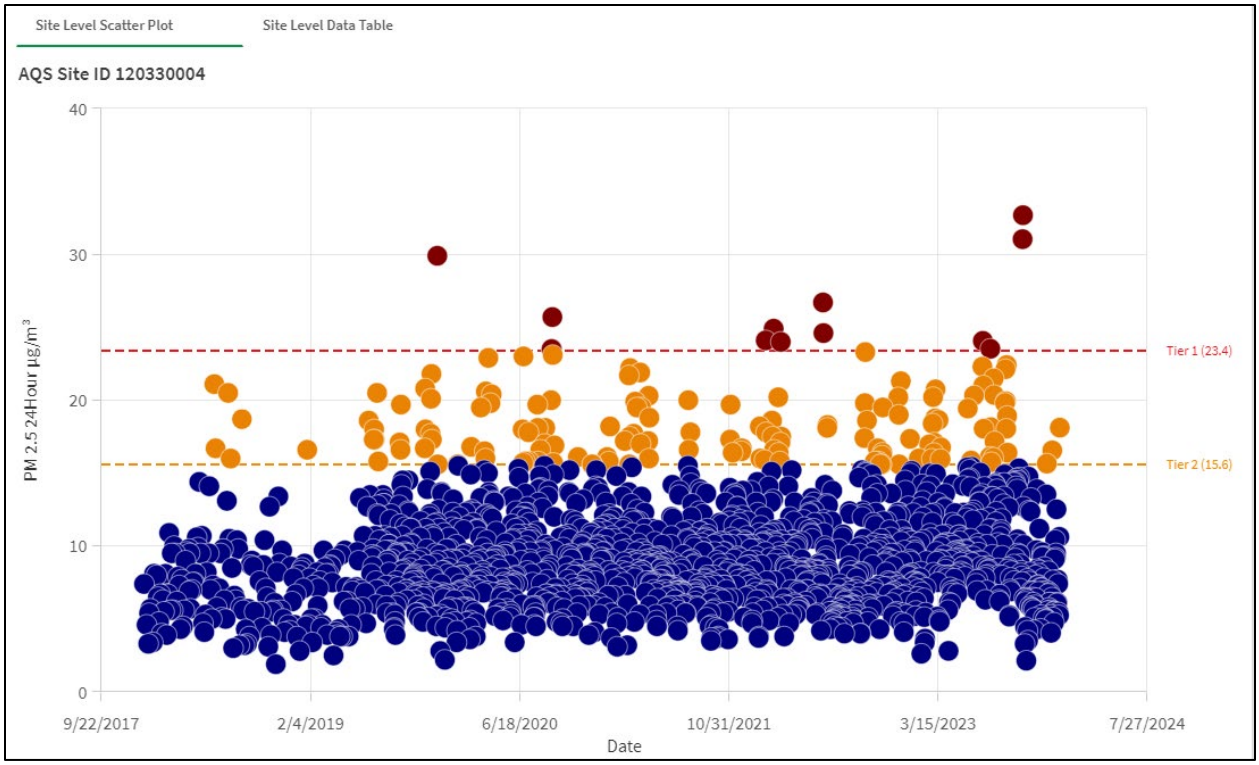

Site Scatter Plot
Site Data
AQS Site ID 120115005
PM 2.5 24Hour µg/m³
40
30
20
10
0
-10
Tier 1 (17.4)
Tier 2 (11.6)
9/22/2017
2/4/2019
6/18/2020
10/31/2021
3/15/2023
7/27/2024
Date

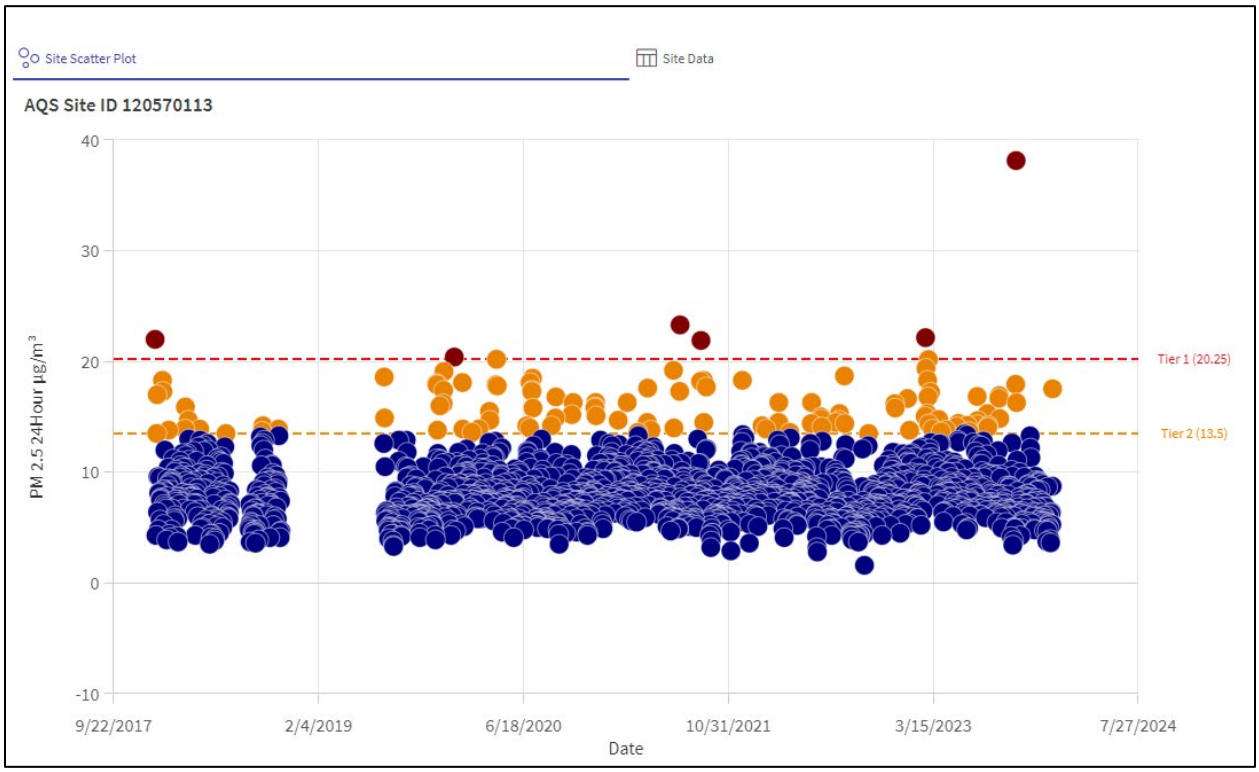

Site Level Scatter Plot
Site Level Data Table
AQS Site ID 120310032
40
30
20
10
0
PM 2.5 24Hour µg/m³
Tier 2 (30)
9/22/2017
2/4/2019
6/18/2020
10/31/2021
3/15/2023
7/27/2024
Date

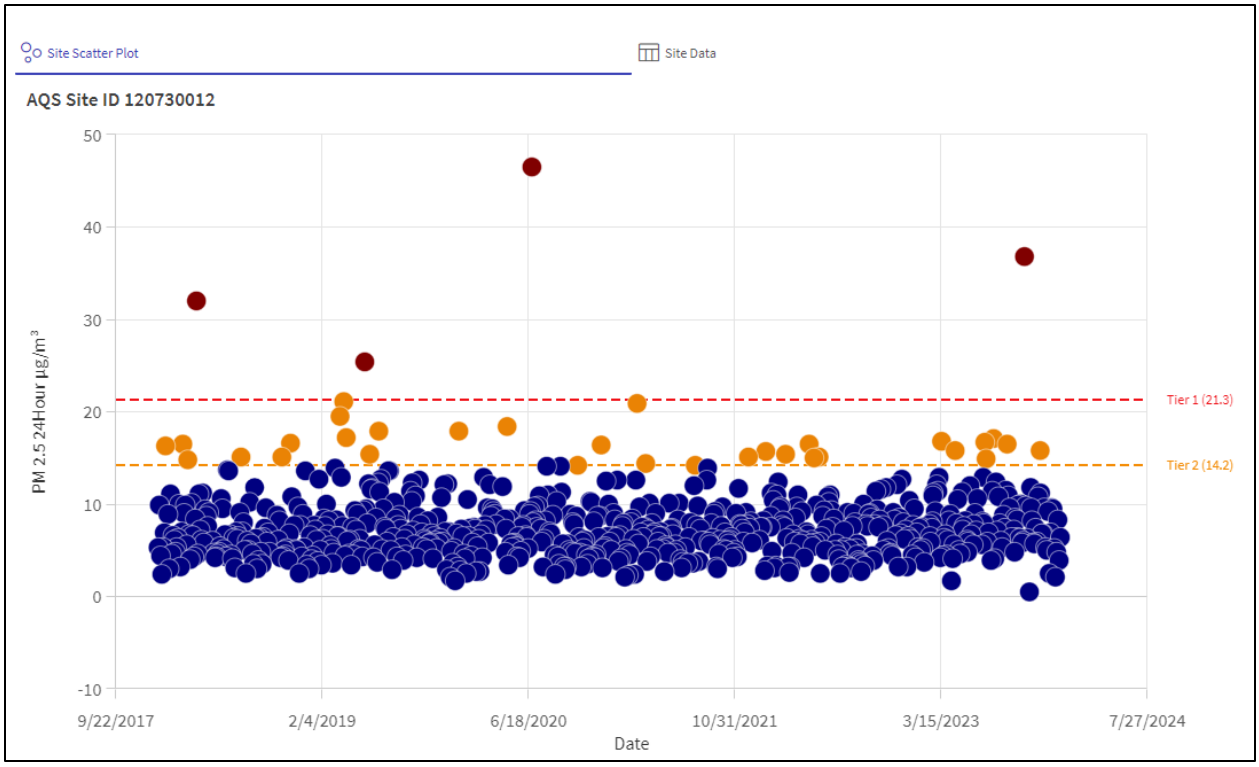

Site Scatter Plot
Site Data
AQS Site ID 120310098
40
30
20
10
0
PM 2.5 24Hour µg/m³
Tier 1 (18.9)
Tier 2 (12.6)
9/22/2017
2/4/2019
6/18/2020
10/31/2021
3/15/2023
7/27/2024
Date

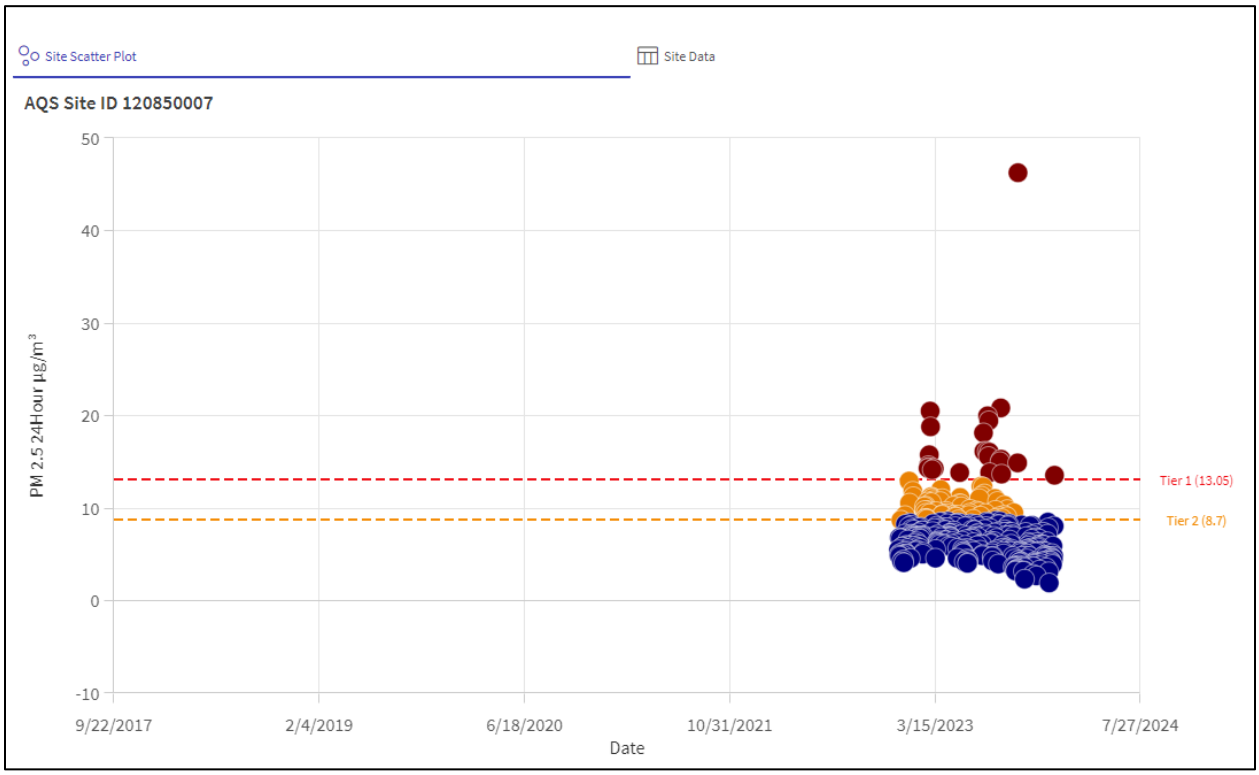

Site Scatter Plot
Site Data
AQS Site ID 120310099
PM 2.5 24Hour µg/m³
40
30
20
10
0
-10
Tier 1 (15.15)
Tier 2 (10.1)
9/22/2017
2/4/2019
6/18/2020
10/31/2021
3/15/2023
7/27/2024
Date

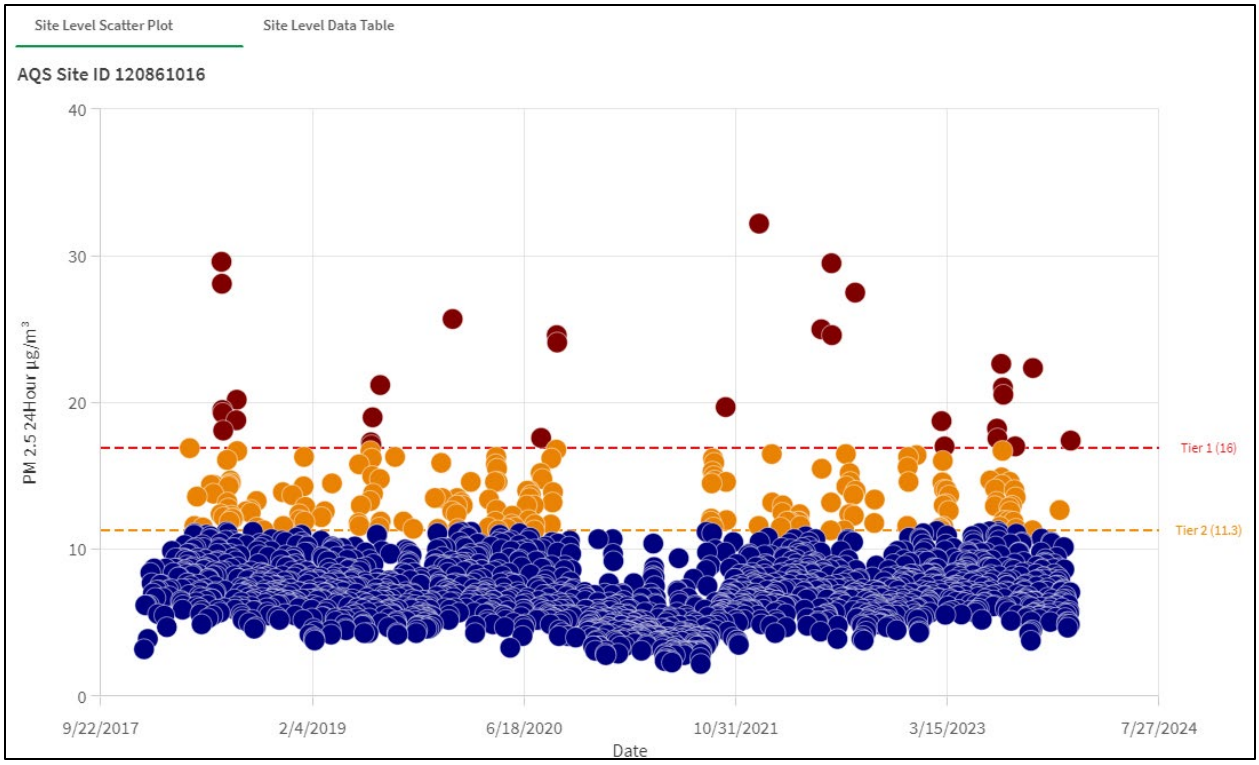

Site Level Scatter Plot
Site Level Data Table
AQS Site ID 120310108
PM 2.5 24Hour µg/m³
40
30
20
10
0
Tier 1 (23.1)
Tier 2 (15.4)
9/22/2017
2/4/2019
6/18/2020
10/31/2021
3/15/2023
7/27/2024
Date

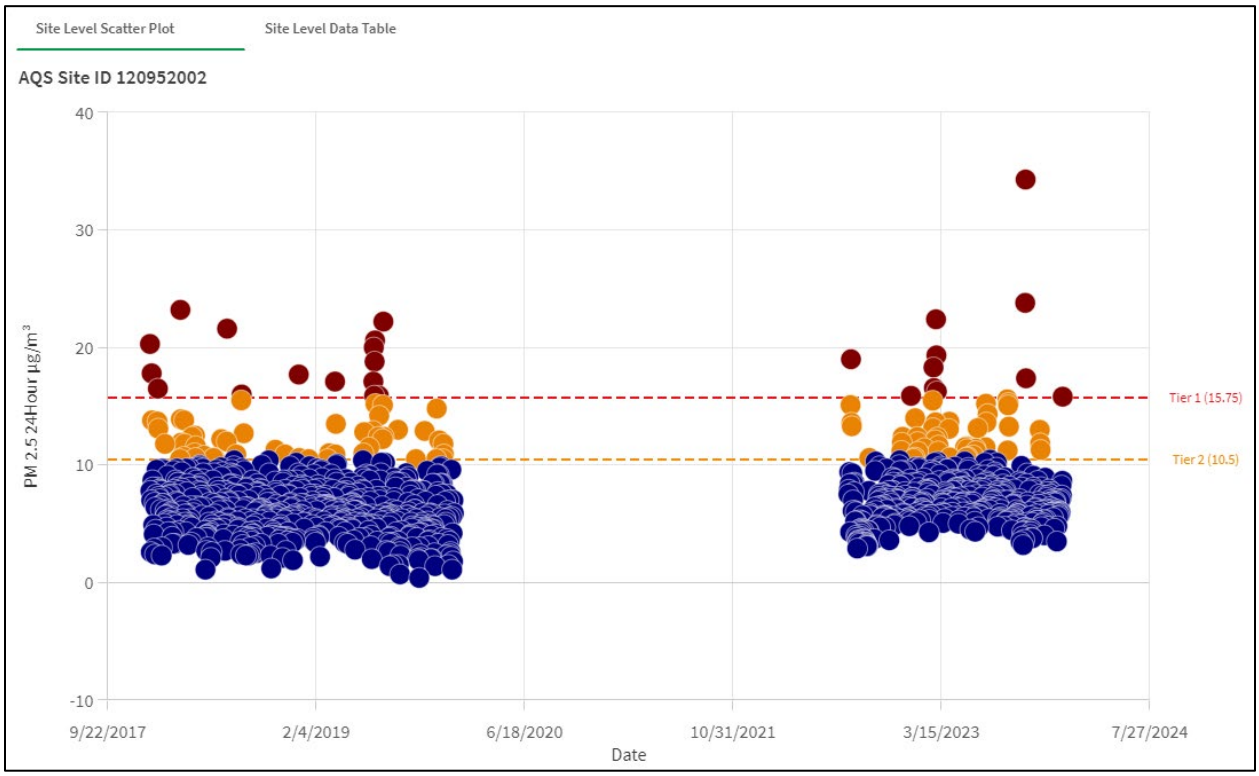

Site Level Scatter Plot
Site Level Data Table
AQS Site ID 120330004
PM 2.5 24Hour µg/m³
40
30
20
10
0
Tier 1 (23.4)
Tier 2 (15.6)
9/22/2017
2/4/2019
6/18/2020
10/31/2021
3/15/2023
7/27/2024
Date

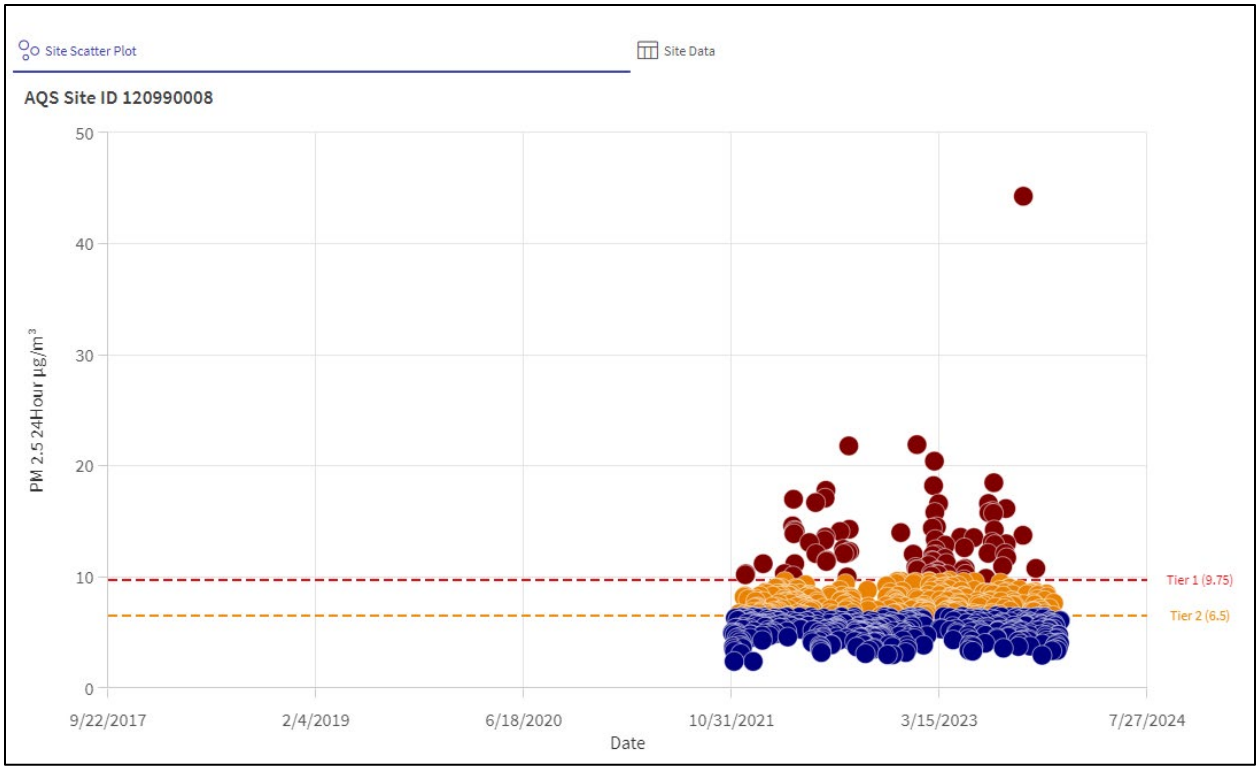

Site Scatter Plot
Site Data
AQS Site ID 120570113
PM 2.5 24Hour µg/m³
40
30
20
10
0
-10
Tier 1 (20.25)
Tier 2 (13.5)
9/22/2017
2/4/2019
6/18/2020
10/31/2021
3/15/2023
7/27/2024
Date

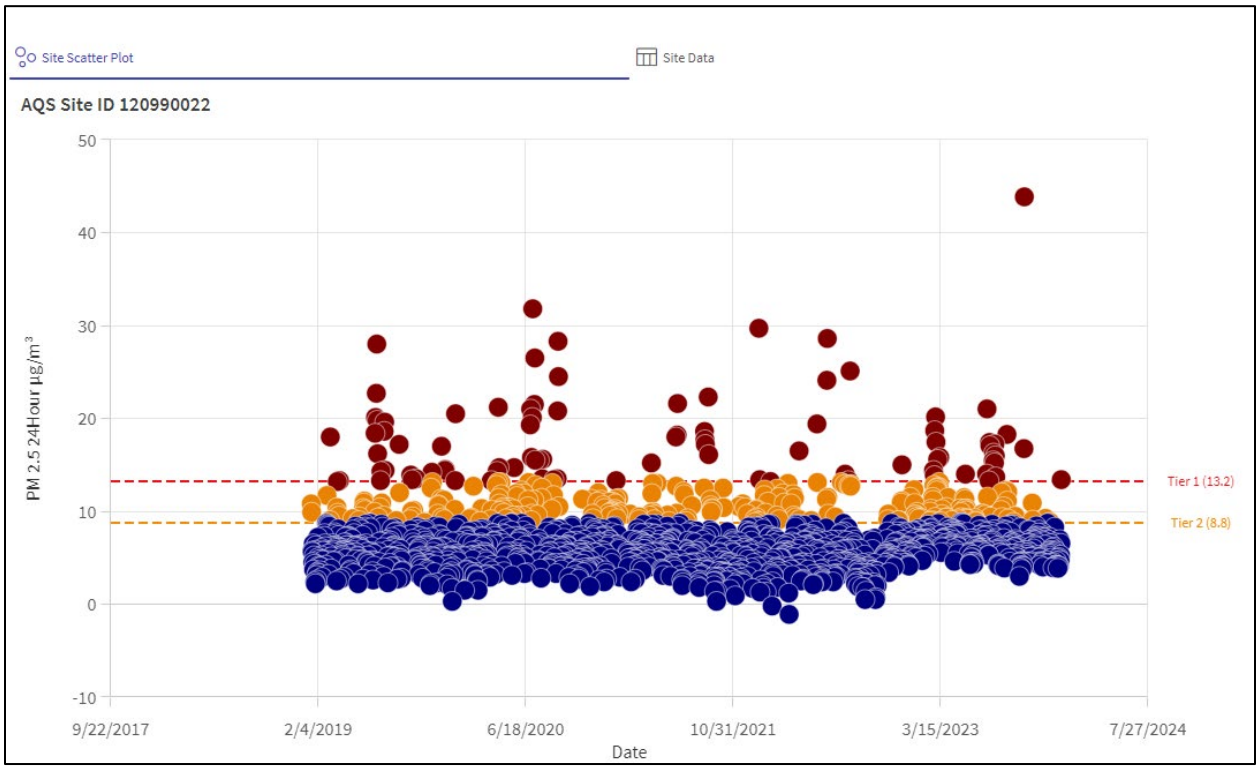

Site Scatter Plot
Site Data
AQS Site ID 120730012
PM 2.5 24Hour µg/m³
50
40
30
20
10
0
-10
Tier 1 (21.3)
Tier 2 (14.2)
9/22/2017
2/4/2019
6/18/2020
10/31/2021
3/15/2023
7/27/2024
Date

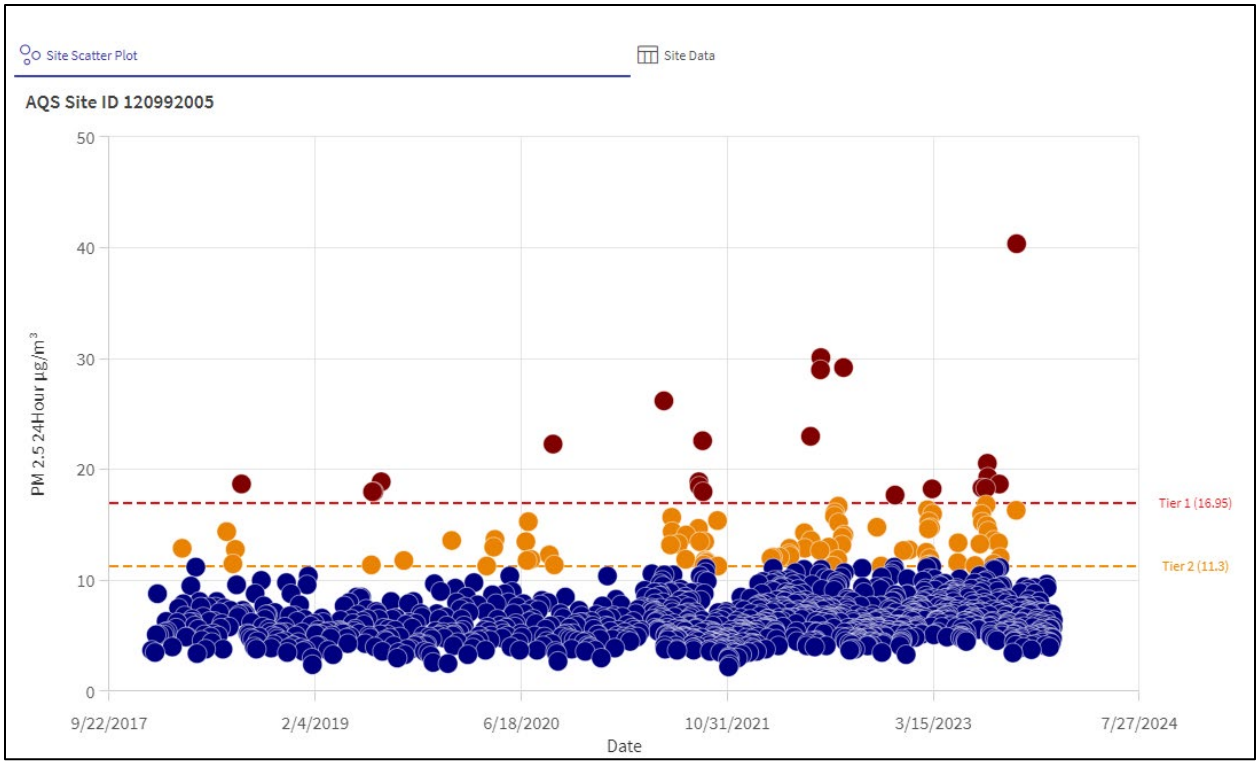

Site Scatter Plot
Site Data
AQS Site ID 120850007
PM 2.5 24Hour µg/m³
50
40
30
20
10
0
-10
Tier 1 (13.05)
Tier 2 (8.7)
9/22/2017
2/4/2019
6/18/2020
10/31/2021
3/15/2023
7/27/2024
Date

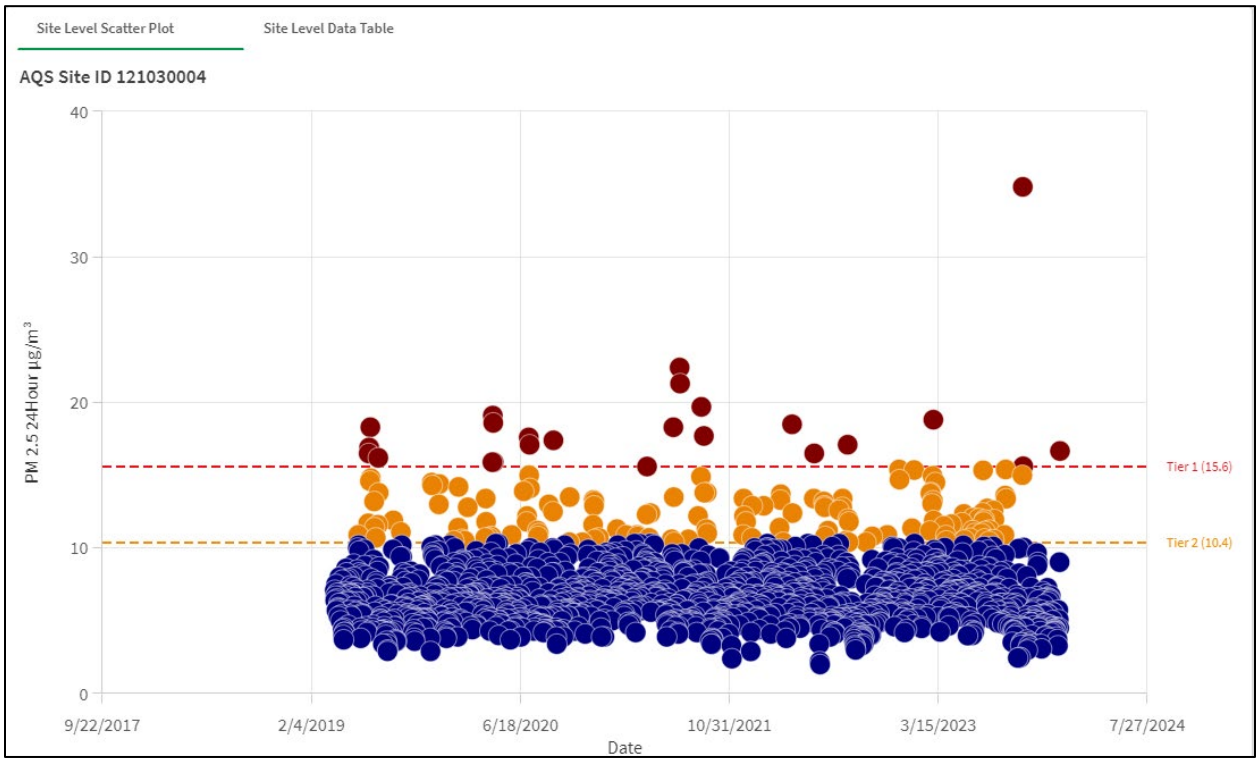

Site Level Scatter Plot
Site Level Data Table
AQS Site ID 120861016
PM 2.5 24Hour µg/m³
40
30
20
10
0
Tier 1 (16)
Tier 2 (11.3)
9/22/2017
2/4/2019
6/18/2020
10/31/2021
3/15/2023
7/27/2024
Date

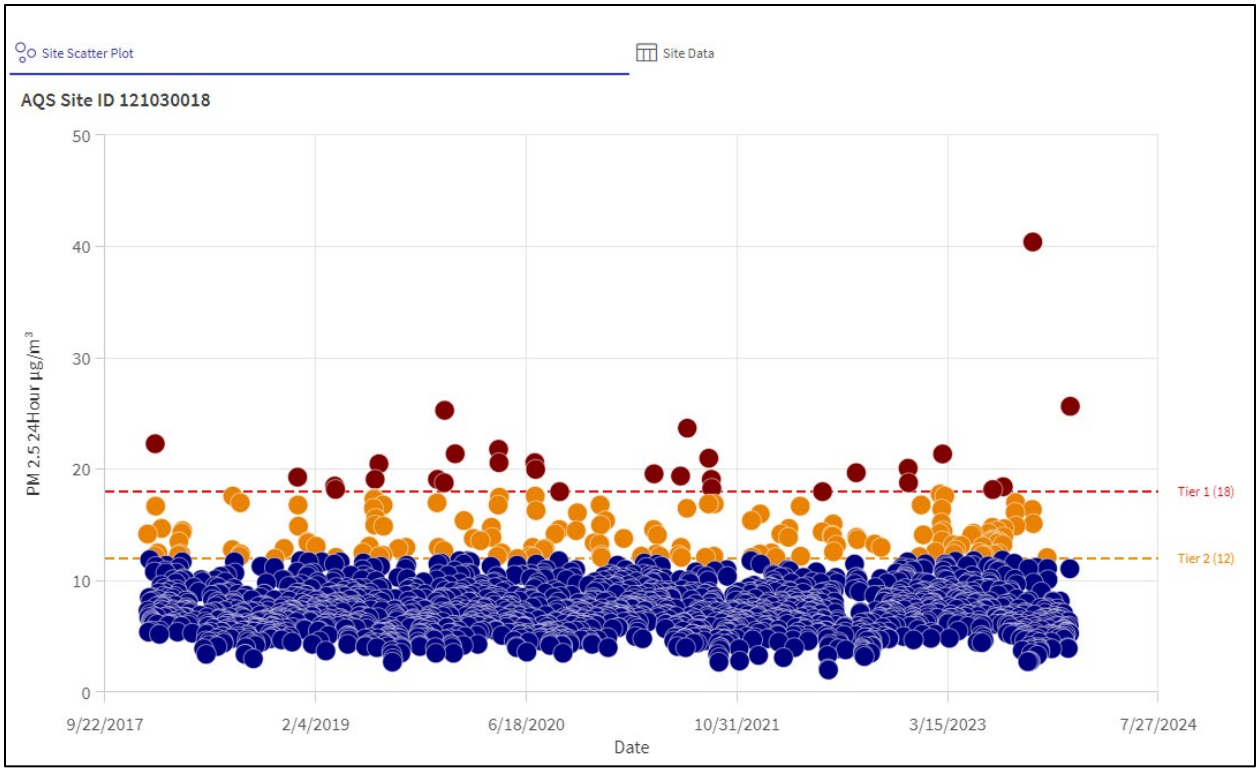

Site Level Scatter Plot
Site Level Data Table
AQS Site ID 120952002
PM 2.5 24Hour µg/m³
40
30
20
10
0
-10
Tier 1 (15.75)
Tier 2 (10.5)
9/22/2017
2/4/2019
6/18/2020
10/31/2021
3/15/2023
7/27/2024
Date

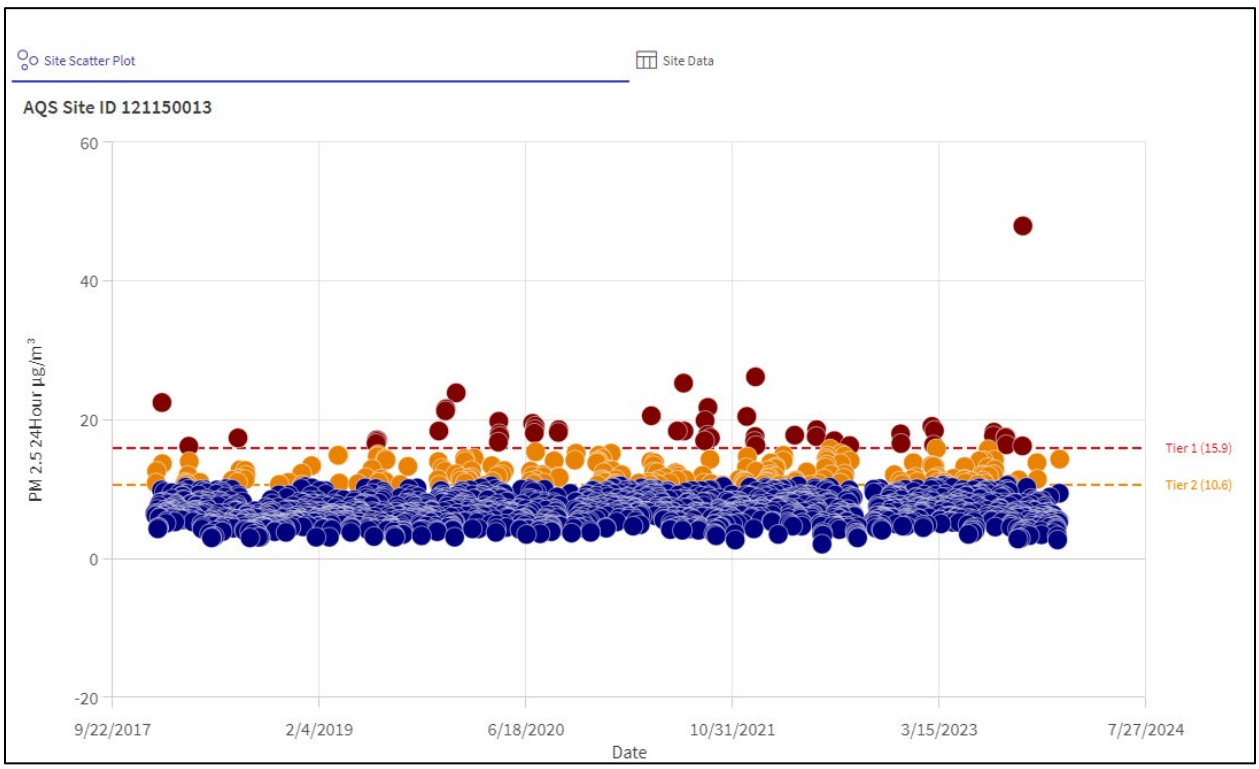

Site Scatter Plot
Site Data
AQS Site ID 120990008
PM 2.5 24Hour µg/m³
50
40
30
20
10
0
Tier 1 (9.75)
Tier 2 (6.5)
9/22/2017
2/4/2019
6/18/2020
10/31/2021
3/15/2023
7/27/2024
Date

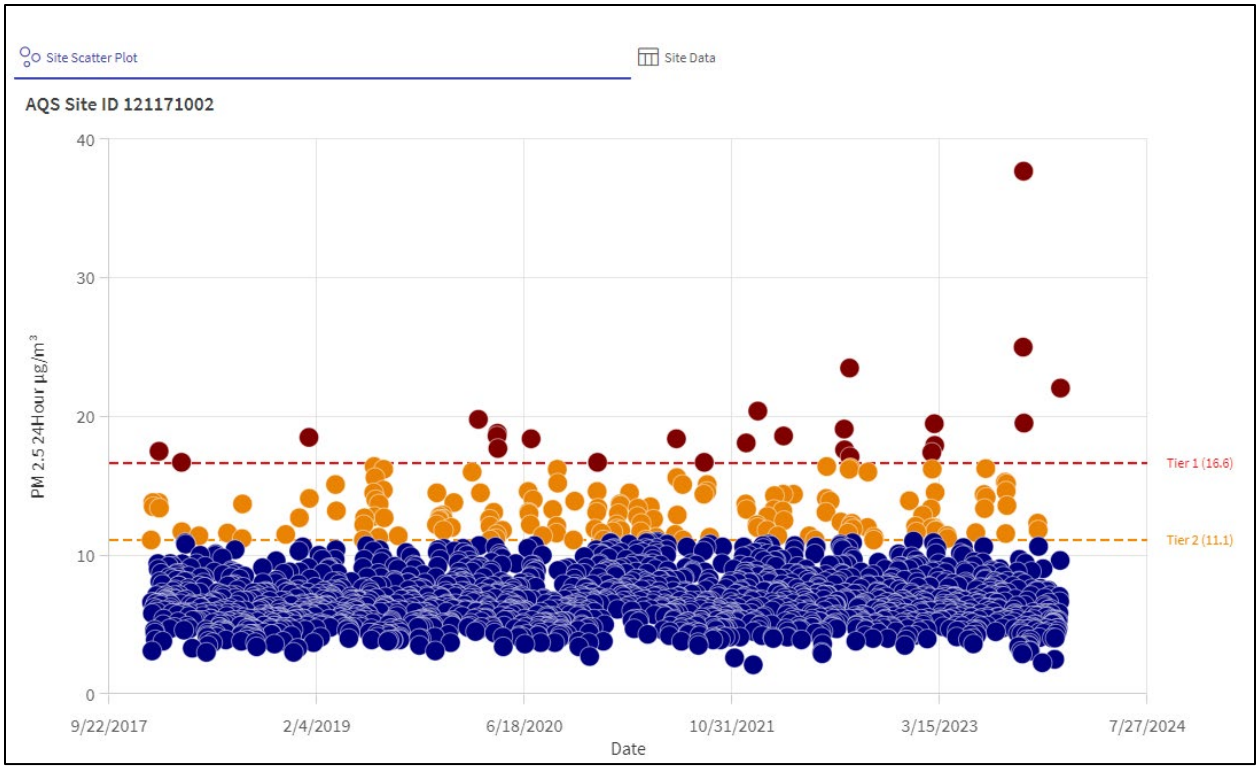

Site Scatter Plot
Site Data
AQS Site ID 120990022
PM 2.5 24Hour µg/m³
50
40
30
20
10
0
-10
Tier 1 (13.2)
Tier 2 (8.8)
9/22/2017
2/4/2019
6/18/2020
10/31/2021
3/15/2023
7/27/2024
Date

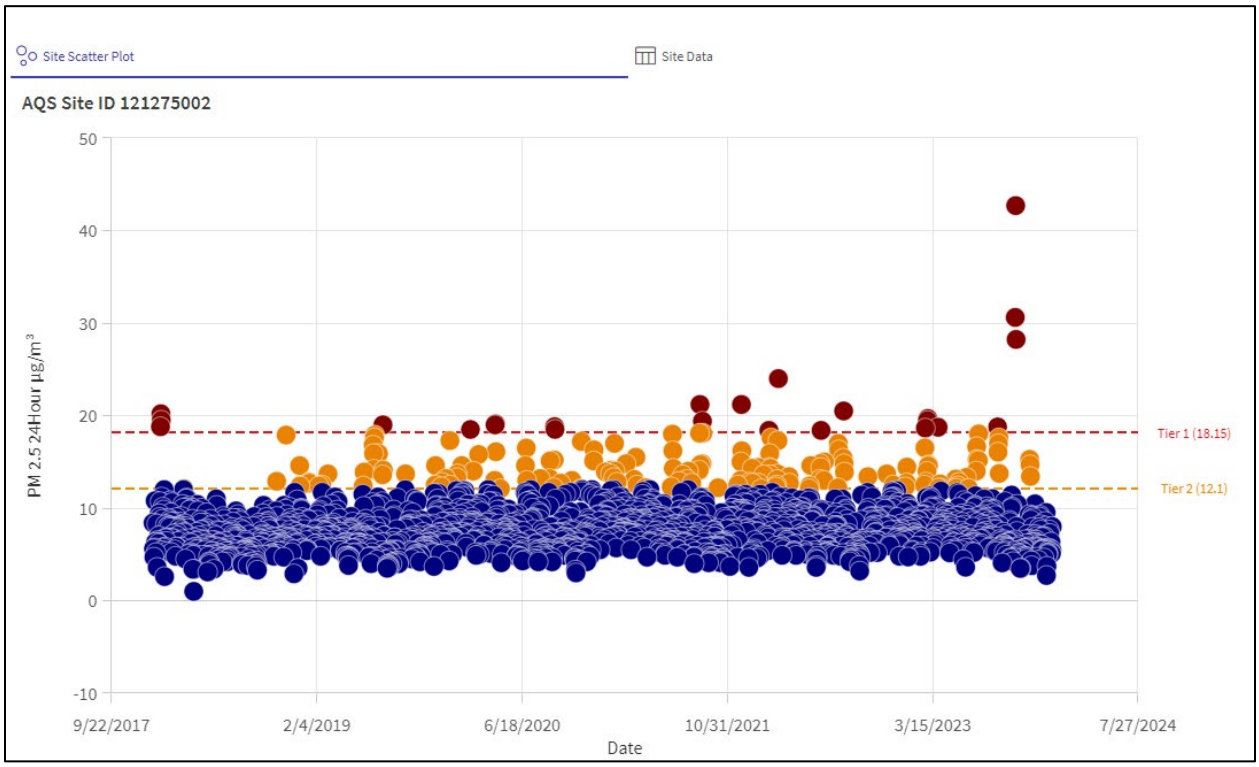

Site Scatter Plot
Site Data
AQS Site ID 120992005
50
40
30
20
10
0
PM 2.5 24Hour µg/m³
Tier 1 (16.95)
Tier 2 (11.3)
9/22/2017
2/4/2019
6/18/2020
10/31/2021
3/15/2023
7/27/2024
Date


Site Level Scatter Plot
Site Level Data Table
AQS Site ID 121030004
40
30
20
10
0
PM 2.5 24Hour µg/m³
Tier 1 (15.6)
Tier 2 (10.4)
9/22/2017
2/4/2019
6/18/2020
10/31/2021
3/15/2023
7/27/2024
Date

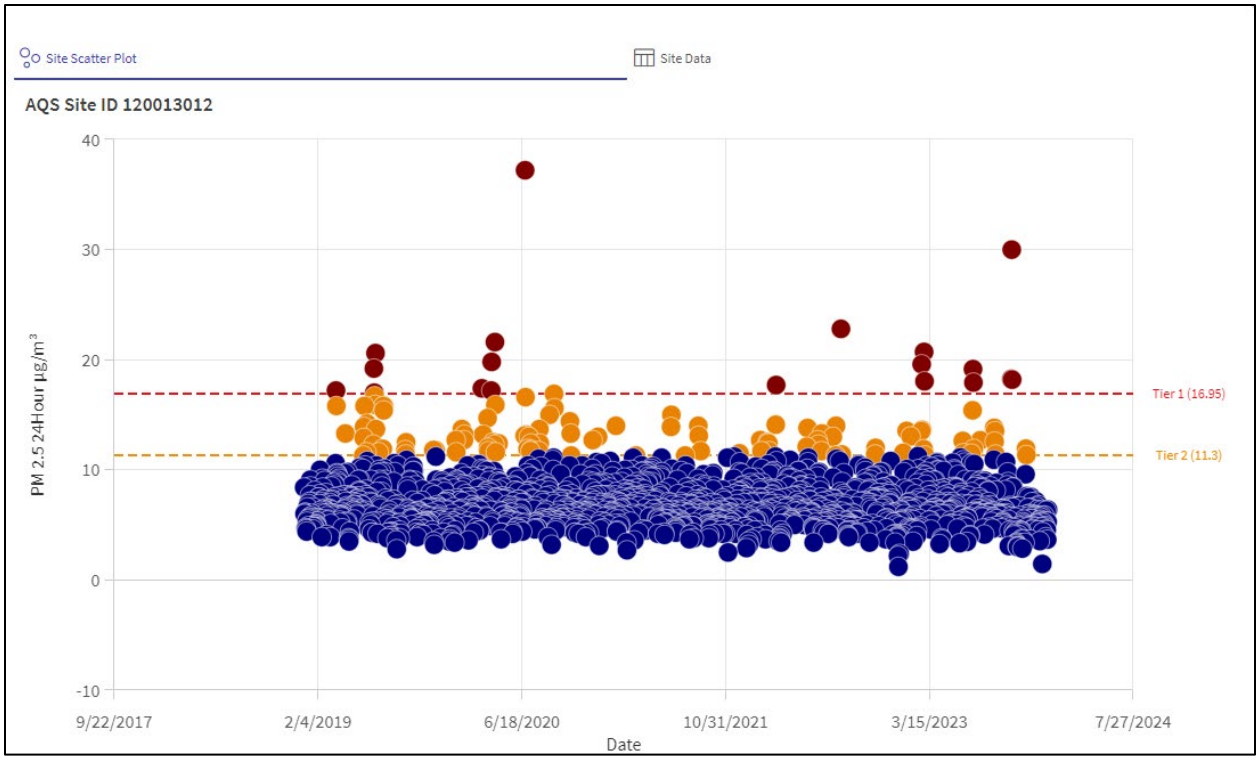

Site Scatter Plot
Site Data
AQS Site ID 121030018
PM 2.5 24Hour µg/m³
50
40
30
20
10
0
Tier 1 (18)
Tier 2 (12)
9/22/2017
2/4/2019
6/18/2020
10/31/2021
3/15/2023
7/27/2024
Date

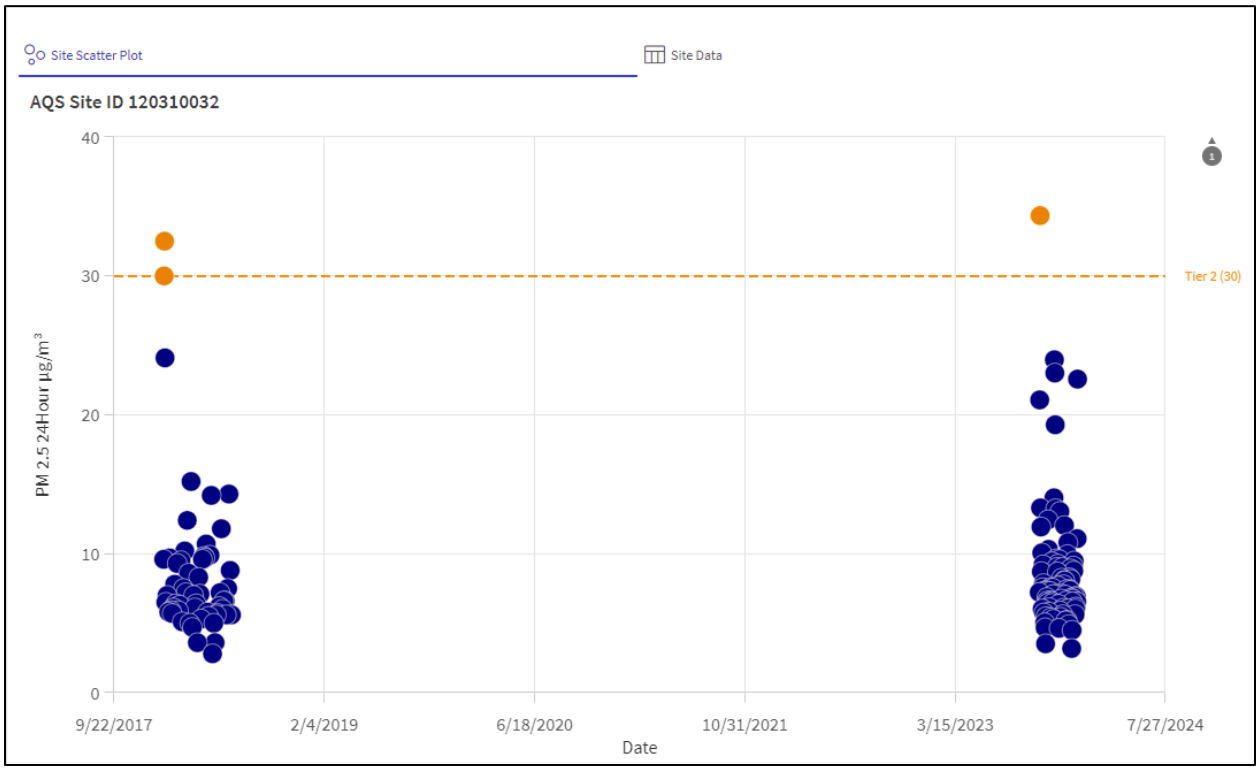

Site Scatter Plot
Site Data
AQS Site ID 121150013
PM 2.5 24Hour µg/m³
60
40
20
0
-20
Tier 1 (15.9)
Tier 2 (10.6)
9/22/2017
2/4/2019
6/18/2020
10/31/2021
3/15/2023
7/27/2024
Date

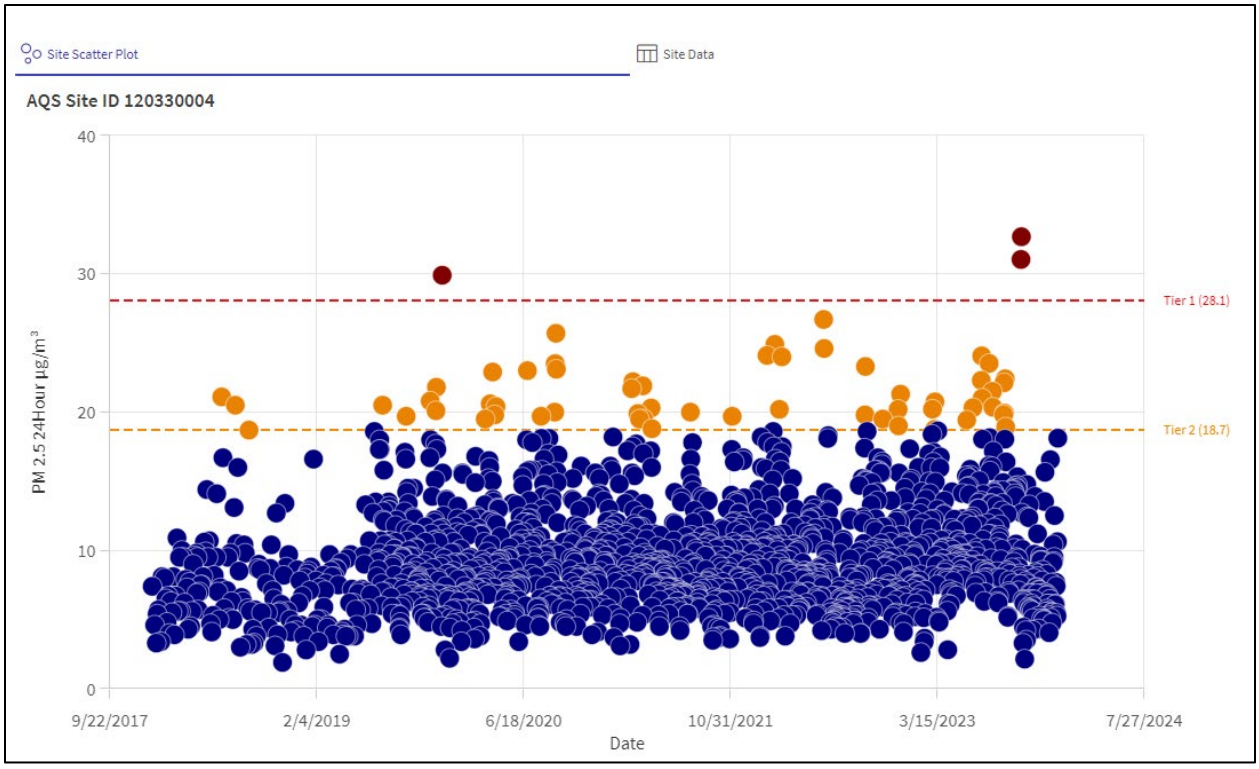


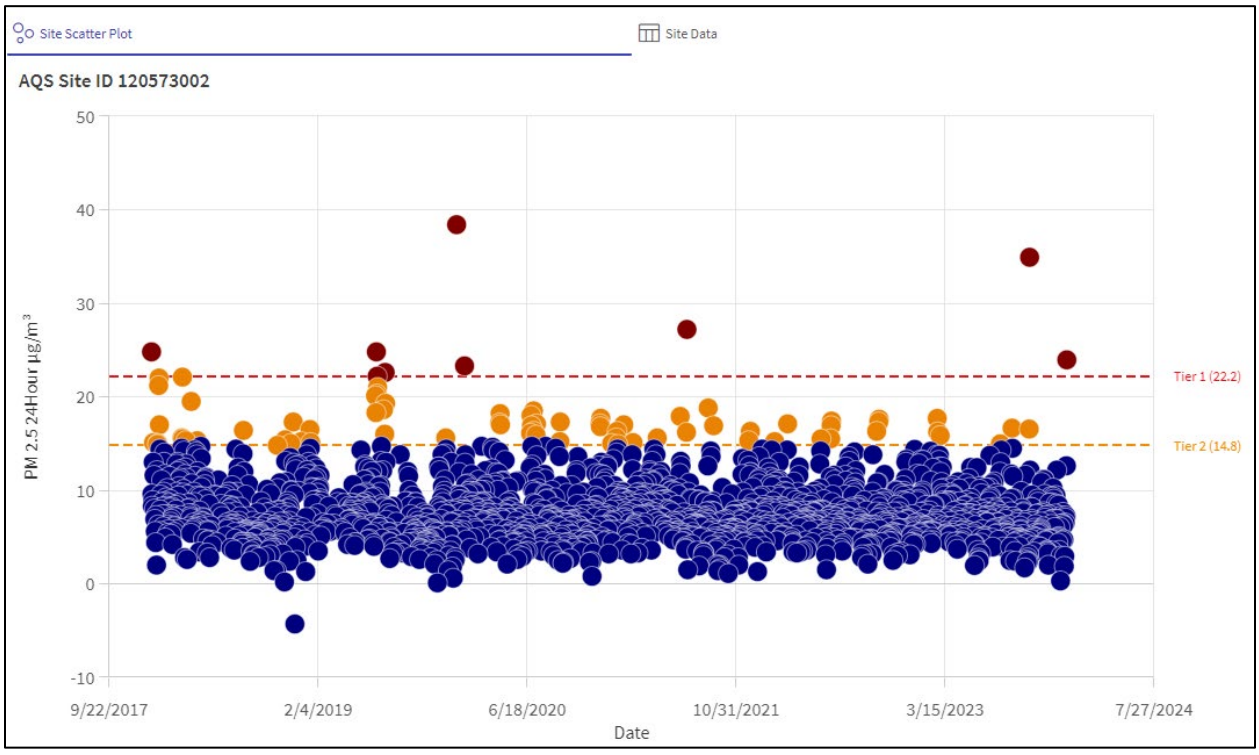


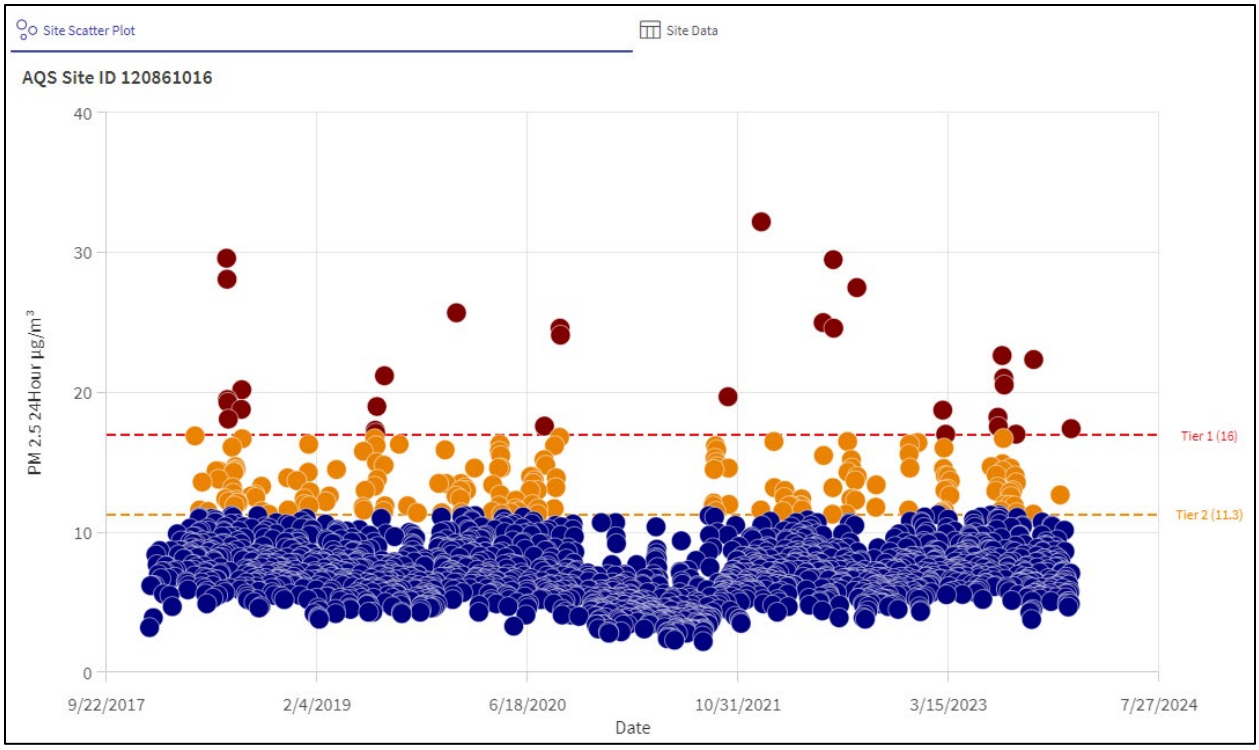
Not exceeding but Tier 1 events

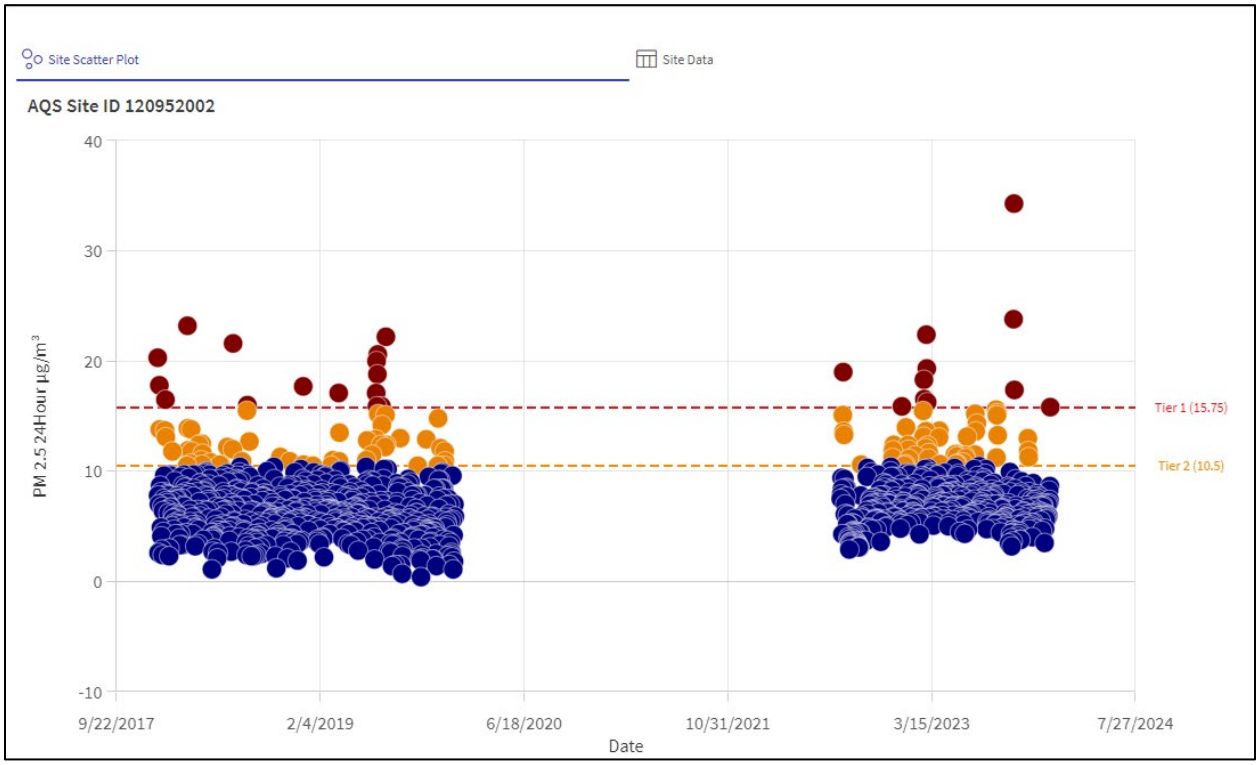

Site Scatter Plot
Site Data
AQS Site ID 120013012
40
30
20
10
0
-10
PM 2.5 24Hour µg/m³
Tier 1 (16.95)
Tier 2 (11.3)
9/22/2017
2/4/2019
6/18/2020
10/31/2021
3/15/2023
7/27/2024
Date

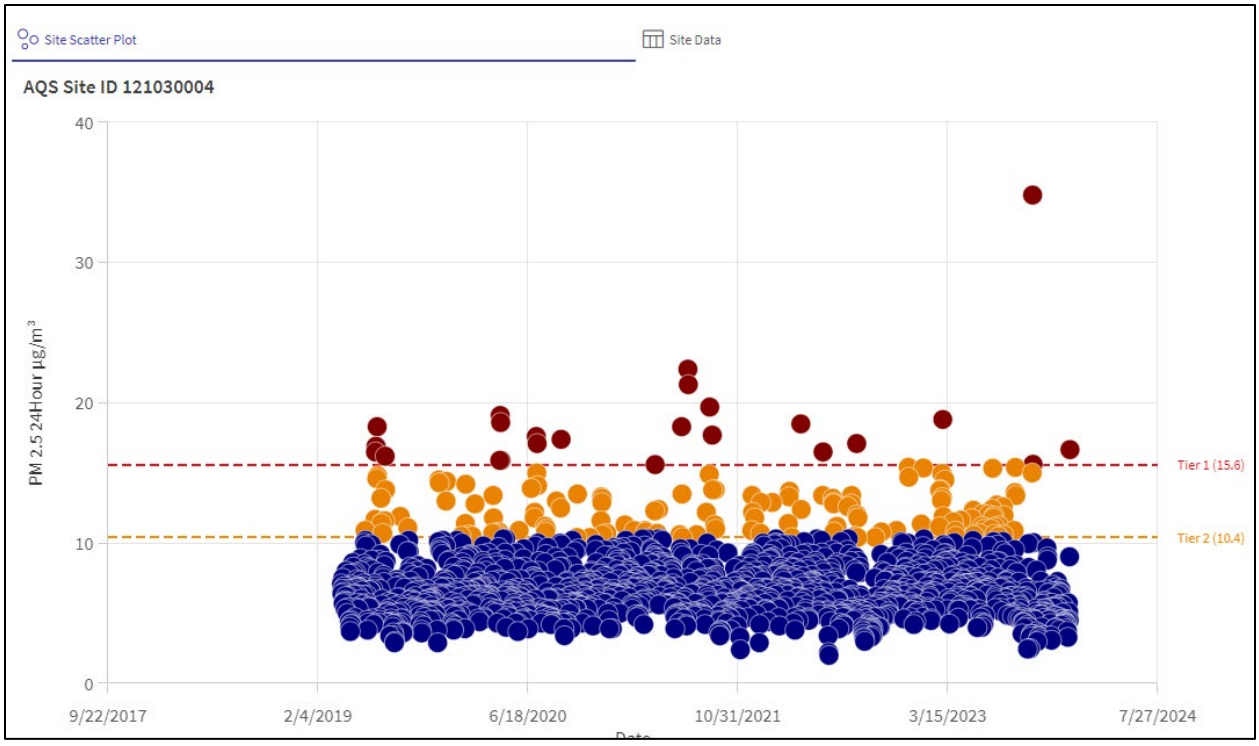

Site Scatter Plot
Site Data
AQS Site ID 120310032
40
30
20
10
0
PM 2.5 24Hour µg/m³
Tier 2 (30)
9/22/2017
2/4/2019
6/18/2020
10/31/2021
3/15/2023
7/27/2024
Date


Site Scatter Plot
Site Data
AQS Site ID 120330004
PM 2.5 24Hour µg/m³
40
30
20
10
0
Tier 1 (28.1)
Tier 2 (18.7)
9/22/2017
2/4/2019
6/18/2020
10/31/2021
3/15/2023
7/27/2024
Date


Site Scatter Plot
Site Data
AQS Site ID 120573002
PM 2.5 24Hour µg/m³
50
40
30
20
10
0
-10
Tier 1 (22.2)
Tier 2 (14.8)
9/22/2017
2/4/2019
6/18/2020
10/31/2021
3/15/2023
7/27/2024
Date


Site Scatter Plot
Site Data
AQS Site ID 120861016
PM 2.5 24Hour µg/m³
40
30
20
10
0
Tier 1 (16)
Tier 2 (11.3)
9/22/2017
2/4/2019
6/18/2020
10/31/2021
3/15/2023
7/27/2024
Date


Site Scatter Plot
Site Data
AQS Site ID 120952002
PM 2.5 24Hour µg/m³
40
30
20
10
0
-10
Tier 1 (15.75)
Tier 2 (10.5)
9/22/2017
2/4/2019
6/18/2020
10/31/2021
3/15/2023
7/27/2024
Date


Site Scatter Plot
Site Data
AQS Site ID 121030004
PM 2.5 24Hour µg/m³
40
30
20
10
0
Tier 1 (15.6)
Tier 2 (10.4)
9/22/2017
2/4/2019
6/18/2020
10/31/2021
3/15/2023
7/27/2024
Date

Appendix B

Air Quality System Raw Data Report (AMP 350)

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

User ID: ETA

RAW DATA REPORT

Report Request ID: 2183489 Report Code: AMP350 Apr. 17, 2024

GEOGRAPHIC SELECTIONS

Tribal Code	State	County	Site	Parameter	POC	City	AQCR	UAR	CBSA	CSA	EPA Region
	12			88101							

PROTOCOL SELECTIONS

Parameter

CRITERIA

SELECTED OPTIONS

Option Type	Option Value
INCLUDE NULLS	YES
DAILY STATISTICS UNITS	MAXIMUM
RAW DATA EVENTS	STANDARD INCLUDE EVENTS YES
MERGE PDF FILES	
AGENCY ROLE	PQAO

SORT ORDER

Order	Column
1	STATE_CODE
2	COUNTY_CODE
3	SITE_ID
4	PARAMETER_CODE
5	POC

DATE CRITERIA

Start Date	End Date
2023 10 02	2023 10 04

APPLICABLE STANDARDS

Standard Description

CO 1-hour 1971

Lead 3-Month 2009

Lead 3-Month PM10 Surrogate 2009 NO2 Annual 1971

Ozone 1-hour 1979

PM10 24-hour 2006

PM25 24-hour 2012

Selection Criteria Page 1

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY AIR QUALITY SYSTEM

Apr. 17, 2024

(88101) PM2.5 - Local Conditions

SITE ID:12-001-3012 POC:3

COUNTY: (001) Alachua
CITY: (45225) Micanopy

SITE ADDRESS: 9300 CR 234 Micanopy, FL

SITE COMMENTS: Pump builiding 48 feet (East from trailer), height 10ft

MONITOR COMMENTS:

SUPPORT AGENCY: (1328) Florida Department of Environmental Protection (FDEP)

MONITOR TYPE: SLAMS

COLLECTION AND ANALYSIS METHOD: (236) Teledyne T640 at 5.0 LPM Broadband

PQAO: (1328) Florida Department of Environmental Protection (FDEP)

STATE: (12) Florida
AQCR: (049) JACKSONVILLE-BRUNSWICK

URBANIZED AREA:(0000) NOT IN AN URBAN AREA

LAND USE: AGRICULTURAL

LOCATION SETTING: RURAL

REPORT FOR: OCTOBER 2023

CAS NUMBER:
LONGITUDE: 29.5661120008 -82.26608
UTM ZONE:

UTM NORTHING:

UTM EASTING:

ELEVATION-MSL: 30.8
PROBE HEIGHT: 5.13

DURATION: 1 HOUR

UNITS: Micrograms/cubic meter (LC)

MIN DETECTABLE: .1

DAY \ HOUR	0000	2000	2100	2200	2300	OBS	MAXIMUM
1						0	
			28.6	27.8	26.2	24	33.2
			33.1IF	30.7IF	28.2IF	24	46.6
			7.4	8.3	7.9	24	34.8
2		5.2				0	
3	NO.:					0	
4	MAX:	24.0IF				0	
5	AVG:					0	
6		26.1				0	
7						0	
8						0	
9						0	
10						0	
11						0	
12						0	
13						0	
14						0	
15						0	
16						0	
17						0	
18						0	
19						0	
20						0	
21						0	
22						0	
23						0	
24						0	
25						0	
26						0	
27						0	
28						0	
29						0	
30						0	
31						0	
			3	3	3		
			33.1	30.7	28.2		
			23.03	22.27	20.77		

(88101) PM2.5 - Local Conditions

CAS NUMBER: 29.5661120008

3	26.7	5.4	6.1	7.5	8.3	8.4	8.9	9.7	13.5	15.4	15.6	15.1	14.4	17.9	20.9	27.1	31.5	33.2	33.2	31.4
26.1	32.2IF	20.0IF	16.7IF	18.8IF	21.7IF	22.5IF	23.1IF	24.3IF	31.8IF	41.0IF	46.6IF	44.7IF	42.4IF	39.2IF	31.1IF	28.6IF	28.5IF	30.1IF	29.9IF	30.6IF
18.43	8.0	27.8	29.1	26.2	23.0	19.7	17.1	13.4	13.1	21.8	34.8	33.9	29.9	21.2	15.6	12.7	11.6	10.0	9.4	8.6

3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
32.2	27.8	29.1	26.2	23.0	22.5	23.1	24.3	31.8	41.0	46.6	44.7	42.4	39.2	31.1	28.6	31.5	33.2	33.2	31.4
22.30	17.73	17.30	17.50	17.67	16.87	16.37	15.80	19.47	26.07	32.33	31.23	28.90	26.10	22.53	22.80	23.87	24.43	24.17	23.53

MONTHLY OBSERVATIONS: 72 MONTHLY MEAN: 22.14 MONTHLY MAX: 46.6

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(88101) PM2.5 - Local Conditions

SITE ID:12-001-3012 POC:4

COUNTY: (001) Alachua
CITY: (45225) Micanopy

SITE ADDRESS: 9300 CR 234 Micanopy, FL

SITE COMMENTS: Pump builiding 48 feet (East from trailer), height 10ft

MONITOR COMMENTS:

SUPPORT AGENCY: (1328) Florida Department of Environmental Protection (FDEP)

MONITOR TYPE: SLAMS

COLLECTION AND ANALYSIS METHOD: (636) Teledyne T640 at 5.0 LPM w/Network

PQAO: (1328) Florida Department of Environmental Protection (FDEP)

STATE: (12) Florida
AQCR: (49) JACKSONVILLE-BRUNSWICK

URBANIZED AREA:(0000) NOT IN AN URBAN AREA

LAND USE: AGRICULTURAL

LOCATION SETTING: RURAL

REPORT FOR: OCTOBER 2023

CAS NUMBER:
LONGITUDE: 29.5661120008 -82.26608
UTM ZONE:

UTM NORTHING:

UTM EASTING:

ELEVATION-MSL: 30.8
PROBE HEIGHT: 5.13

DURATION: 1 HOUR

UNITS: Micrograms/cubic meter (LC)

MIN DETECTABLE: .1

DAY \ HOUR	0000	2000	2100	2200	2300	OBS	MAXIMUM
1			35.2	34.2	32.1	24	40.7
			41.2IF	37.7IF	33.9IF	24	58.7
			8.1	9.2	8.8	24	43.6
2		5.1				0	
3	NO.:					0	
4	MAX:	29.4IF				0	
5	AVG:	31.3				0	
6						0	
7						0	
8						0	
9						0	
10						0	
11						0	
12						0	
13						0	
14						0	
15						0	
16						0	
17						0	
18						0	
19						0	
20						0	
21						0	
22						0	
23						0	
24						0	
25						0	
26						0	
27						0	
28						0	
29						0	
30						0	
31						0	
			3	3	3		
			41.2	37.7	33.9		
			28.17	27.03	24.93		

3

(88101) PM2.5 - Local Conditions

CAS NUMBER: 29.5661120008

31.3	32.7																			
21.93	40.1IF	5.3	6.5	8.1	8.6	9.3	9.9	10.9	15.6	18.7	18.9	18.1	17.2	21.5	25.5	33.7	39.0	40.5	40.7	38.6
		23.8IF	19.5IF	21.3IF	24.6IF	25.2IF	27.3IF	29.4IF	39.5IF	51.2IF	58.7IF	56.2IF	54.0IF	49.0IF	39.2IF	35.7IF	35.2IF	37.2IF	37.2IF	38.1IF
	8.8	33.1	35.1	31.4	26.9	23.2	20.4	15.7	15.7	26.9	43.6	42.2	36.7	25.9	18.3	14.9	13.4	11.4	10.5	9.5
	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	40.1	33.1	35.1	31.4	26.9	25.2	27.3	29.4	39.5	51.2	58.7	56.2	54.0	49.0	39.2	35.7	39.0	40.5	40.7	38.6
	27.20	20.73	20.37	20.27	20.03	19.23	19.20	18.67	23.60	32.27	40.40	38.83	35.97	32.13	27.67	28.10	29.20	29.70	29.47	28.73

MONTHLY OBSERVATIONS: 72 MONTHLY MEAN: 26.83 MONTHLY MAX: 58.7

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

Apr. 17, 2024

(88101) PM2.5 - Local Conditions

CAS NUMBER:

SITE ID:12-009-0007 POC:3

STATE: (12) Florida

AQCR: (48) CENTRAL FLORIDA

LONGITUDE: 28.053611 -80.628611

UTM ZONE:

COUNTY: (009) Brevard
CITY: (43975) Melbourne

SITE ADDRESS: 401 West Florida Avenue, Melbourne, FL 32901

URBANIZED AREA:(4899) MELBOURNE-PALM BAY, FL

UTM NORTHING:

SITE COMMENTS:

LAND USE: RESIDENTIAL

UTM EASTING:

MONITOR COMMENTS:

LOCATION SETTING: URBAN AND CENTER CITY

ELEVATION-MSL:

PROBE HEIGHT: 5 5.18

SUPPORT AGENCY: (1328) Florida Department of Environmental Protection (FDEP)

MONITOR TYPE: SLAMS

REPORT FOR: OCTOBER 2023

DURATION: 1 HOUR

COLLECTION AND ANALYSIS METHOD: (638) Teledyne T640X at 16.67 LPM w/Netw

UNITS: Micrograms/cubic meter (LC)

PQAO: (1328) Florida Department of Environmental Protection (FDEP)

MIN DETECTABLE: .1

HOUR

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM
1																									0	
2	5.1	5.2	5.4	5.4	5.3	5.7	6.6	8.4	9.9	10.3	10.8	21.4	29.8	35.3	37.5	45.4	54.9	47.5	37.1	31.3	29.7	27.3	30.0	36.3	24	54.9
3	44.1IF	68.1IF	87.9IF	87.0IF	68.3IF	90.6IF	123.5IF	114.4IF	124.4IF	94.5IF	65.7IF	50.3IF	29.8IF	18.6IF	13.6IF	6.8IF	5.2IF	5.4IF	5.4IF	5.8IF	6.3IF	5.0IF	4.6IF	5.7IF	24	124.4
4	5.0	6.2	4.9	5.3	6.4	6.4	5.7	5.3	5.3	4.9	4.7	4.1	4.7	3.9	4.6	4.3	4.2	4.9	5.6	6.1	5.7	6.0	4.7	5.8	24	6.4
5																									0	
6																									0	
7																									0	
8																									0	
9																									0	
10																									0	
11																									0	
12																									0	
13																									0	
14																									0	
15																									0	
16																									0	
17																									0	
18																									0	
19																									0	
20																									0	
21																									0	
22																									0	
23																									0	
24																									0	
25																									0	
26																									0	
27																									0	
28																									0	
29																									0	
30																									0	
31																									0	
NO.:	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3		
MAX:	44.1	68.1	87.9	87.0	68.3	90.6	123.5	114.4	124.4	94.5	65.7	50.3	29.8	35.3	37.5	45.4	54.9	47.5	37.1	31.3	29.7	27.3	30.0	36.3		
AVG:	18.07	26.50	32.73	32.57	26.67	34.23	45.27	42.70	46.53	36.57	27.07	25.27	21.43	19.27	18.57	18.83	21.43	19.27	16.03	14.40	13.90	12.77	13.10	15.93		

MONTHLY OBSERVATIONS: 72 MONTHLY MEAN: 24.96 MONTHLY MAX: 124.4

(88101) PM2.5 - Local Conditions

CAS NUMBER: 28.053611

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

Apr. 17, 2024

(88101) PM2.5 - Local Conditions

CAS NUMBER:

SITE ID:12-011-0033 POC:3

STATE: (12) Florida

LONGITUDE: 26.0735360007 -80.33845

AQCR: (50) SOUTHEAST FLORIDA

UTM ZONE:

COUNTY: (011) Broward
CITY: (16475) Davie

SITE ADDRESS: 3211 College Ave, Davie, FL 33314

URBANIZED AREA:(2680) FORT LAUDERDALE-HOLLYWOOD-POMPANO

UTM NORTHING:

SITE COMMENTS: Site is located along SW 142nd Ave (Boy Scout Road) on the eastern edge of Vista

LAND USE: RESIDENTIAL

UTM EASTING:

MONITOR COMMENTS:

LOCATION SETTING: SUBURBAN

ELEVATION-MSL: 2

PROBE HEIGHT: 4.1

SUPPORT AGENCY: (1328) Florida Department of Environmental Protection (FDEP)

MONITOR TYPE: SLAMS

REPORT FOR: OCTOBER 2023

DURATION: 1 HOUR

COLLECTION AND ANALYSIS METHOD: (636) Teledyne T640 at 5.0 LPM w/Network

UNITS: Micrograms/cubic meter (LC)

PQAO: (1328) Florida Department of Environmental Protection (FDEP)

MIN DETECTABLE: .1

DAY \ HOUR	0000	2000	2100	2200	2300	OBS	MAXIMUM
1			18.9	22.4	26.1	24	26.1
			32.3IF	16.4IF	14.2IF	24	61.6
			3.7	3.8	3.9	24	12.5
2		2.6				0	
3	NO.:					0	
4	MAX:	28.6IF				0	
5	AVG:	12.5				0	
6						0	
7						0	
8						0	
9						0	
10						0	
11						0	
12						0	
13						0	
14						0	
15						0	
16						0	
17						0	
18						0	
19						0	
20						0	
21						0	
22						0	
23						0	
24						0	
25						0	
26						0	
27						0	
28						0	
29						0	
30						0	
31						0	
			3	3	3		
			32.3	22.4	26.1		
			18.30	14.20	14.73		

3

28.6 16.4

14.57 40.9IF

	2.8	2.8	2.8	2.9	2.7	3.0	3.8	2.6	2.7	3.1	6.2	8.4	9.1	10.6	13.9	17.5	18.7	20.4	18.4
	29.6IF	29.2IF	28.0IF	26.4IF	19.3IF	19.3IF	31.3IF	41.0IF	40.8IF	50.5IF	48.6IF	46.3IF	48.7IF	47.7IF	51.2IF	58.5IF	61.6IF	53.9IF	45.4IF
4.1	11.0	9.6	9.1	8.5	7.6	8.1	7.1	5.5	4.6	3.6	3.8	3.7	3.8	3.8	3.5	3.4	3.5	3.6	4.0

(88101) PM2.5 - Local Conditions

CAS NUMBER: 26.0735360007

3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
40.9	29.6	29.2	28.0	26.4	19.3	19.3	31.3	41.0	40.8	50.5	48.6	46.3	48.7	47.7	51.2	58.5	61.6	53.9	45.4
20.47	14.47	13.87	13.30	12.60	9.87	10.13	14.07	16.37	16.03	19.07	19.53	19.47	20.53	20.70	22.87	26.47	27.93	25.97	22.60

MONTHLY OBSERVATIONS: 72 MONTHLY MEAN: 17.84 MONTHLY MAX: 61.6

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(88101) PM2.5 - Local Conditions

SITE ID:12-011-0034 POC:1

COUNTY: (011) Broward
CITY: (16475) Davie

SITE ADDRESS: 5300 South Pine Island Road, Davie, FL 33328

SITE COMMENTS:

MONITOR COMMENTS:

SUPPORT AGENCY: (0121) Broward County Environmental Protection Department

STATE: (12) Florida
AQCR: (050) SOUTHEAST FLORIDA

URBANIZED AREA:(2680) FORT LAUDERDALE-HOLLYWOOD-POMPANO

LAND USE: RESIDENTIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER:
LONGITUDE: 26.0538889 -80.2569444
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL:
PROBE HEIGHT: 2.7 2.56

MONITOR TYPE:SLAMS

COLLECTION AND ANALYSIS METHOD: (145) R & P Model 2025 PM-2.5 Sequential

PQAO: (1328) Florida Department of Environmental Protection (FDEP)

REPORT FOR: 2023

DURATION:24 HOUR

UNITS: Micrograms/cubic meter (LC)

MIN DETECTABLE: 2

MONTH

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1												
2												
3										31.8 IF		
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30												
31												
NO.:	0	0	0	0	0	0	0	0	0	1	0	0
MAX:										31.8		
MEAN:										31.80		

ANNUAL OBSERVATIONS: 1 ANNUAL MEAN: 31.80 ANNUAL MAX: 31.8

(88101) PM2.5 - Local Conditions

CAS NUMBER: 26.0538889

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(88101) PM2.5 - Local Conditions

SITE ID:12-011-0034 POC:3

COUNTY: (011) Broward
CITY: (16475) Davie

SITE ADDRESS: 5300 South Pine Island Road, Davie, FL 33328

SITE COMMENTS:

MONITOR COMMENTS:

SUPPORT AGENCY: (0121) Broward County Environmental Protection Department

STATE: (12) Florida
AQCR: (050) SOUTHEAST FLORIDA

URBANIZED AREA:(2680) FORT LAUDERDALE-HOLLYWOOD-POMPANO

LAND USE: RESIDENTIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER:
LONGITUDE: 26.0538889 -80.2569444
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL:
PROBE HEIGHT: 2.7 2.56

MONITOR TYPE: SLAMS

COLLECTION AND ANALYSIS METHOD: (638) Teledyne T640X at 16.67 LPM w/Netw

REPORT FOR: OCTOBER 2023

DURATION: 1 HOUR

UNITS: Micrograms/cubic meter (LC)

PQAO: (1328) Florida Department of Environmental Protection (FDEP)

MIN DETECTABLE: .1

DAY / HOUR	0000	2000	2100	2200	2300	OBS	MAXIMUM
1			24.3	25.8	26.5	24	26.5
			17.7IF	12.4IF	9.1IF	23	65.8
			4.0 2	4.3 2	4.7 2	23	13.2
2		2.8				0	
3	NO.:					0	
4	MAX:	29.0IF				0	
5	AVG:	13.2 2				0	
6						0	
7						0	
8						0	
9						0	
10						0	
11						0	
12						0	
13						0	
14						0	
15						0	
16						0	
17						0	
18						0	
19						0	
20						0	
21						0	
22						0	
23						0	
24						0	
25						0	
26						0	
27						0	
28						0	
29						0	
30						0	
31						0	
			3	3	3		
			24.3	25.8	26.5		
			15.33	14.17	13.43		

(88101) PM2.5 - Local Conditions

CAS NUMBER:

26.0538889

		0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900
3	21.7																			
	27.7IF	3.0	3.4	3.7	3.4	3.5	3.3	4.4	3.7	3.3	4.2	5.6	9.4	10.6	11.9	16.6	19.7	19.9	21.9	20.4
29.0		28.7IF	25.6IF	25.5IF	27.0IF	20.2IF	24.1IF	30.6IF	34.0IF	49.5IF	53.6IF	49.7IF	50.9IF	AX	51.5IF	58.3IF	65.8IF	62.3IF	50.7IF	41.4IF
15.00	3.8 2	11.9 2	10.5 2	9.7 2	8.7 2	8.4 2	8.4 2	9.1 2	6.7 2	4.3 2	4.3 2	4.2 2	AX	4.3 2	4.3 2	4.0 2	3.8 2	4.0 2	4.0 2	4.3 2
	3	3	3	3	3	3	3	3	3	3	3	3	2	2	3	3	3	3	3	3
	27.7	28.7	25.6	25.5	27.0	20.2	24.1	30.6	34.0	49.5	53.6	49.7	50.9	10.6	51.5	58.3	65.8	62.3	50.7	41.4
	17.73	14.53	13.17	12.97	13.03	10.70	11.93	14.70	14.80	19.03	20.70	19.83	30.15	7.45	22.57	26.30	29.77	28.73	25.53	22.03

MONTHLY OBSERVATIONS: 70 MONTHLY MEAN: 18.05 MONTHLY MAX: 65.8

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

Apr. 17, 2024

(88101) PM2.5 - Local Conditions

CAS NUMBER:

SITE ID: 12-011-0035 POC: 3

STATE: (12) Florida
AQCR: (050) SOUTHEAST FLORIDA

LONGITUDE: 26.132677 -80.169817
UTM ZONE:

COUNTY: (011) Broward

CITY: (24000) Fort Lauderdale
SITE ADDRESS: 799 North I-95, Ft. Lauderdale, FL 33311

URBANIZED AREA: (2680) FORT LAUDERDALE-HOLLYWOOD-POMPANO

UTM NORTHING:

SITE COMMENTS:

LAND USE: RESIDENTIAL

UTM EASTING:

MONITOR COMMENTS:

LOCATION SETTING: URBAN AND CENTER CITY

ELEVATION-MSL:

PROBE HEIGHT: 3 4.5

SUPPORT AGENCY: (1328) Florida Department of Environmental Protection (FDEP)

MONITOR TYPE: SLAMS

REPORT FOR: OCTOBER 2023

DURATION: 1 HOUR

COLLECTION AND ANALYSIS METHOD: (636) Teledyne T640 at 5.0 LPM w/Network

UNITS: Micrograms/cubic meter (LC)

PQAO: (1328) Florida Department of Environmental Protection (FDEP)

MIN DETECTABLE: .1

DAY \ HOUR	0000	2000	2100	2200	2300	OBS	MAXIMUM
1						0	
			28.1	28.7	32.0	24	32.0
			11.6IF	8.8IF	8.3IF	24	68.6
			5.4	4.5	4.5	24	9.5
2		2.9				0	
3	NO.:					0	
4	MAX:	30.2IF				0	
5	AVG:	6.7				0	
6						0	
7						0	
8						0	
9						0	
10						0	
11						0	
12						0	
13						0	
14						0	
15						0	
16						0	
17						0	
18						0	
19						0	
20						0	
21						0	
22						0	
23						0	
24						0	
25						0	
26						0	
27						0	
28						0	
29						0	
30						0	
31						0	
			3	3	3		
			28.1	28.7	32.0		
			15.03	14.00	14.93		

3	31.5	3.1	4.0	4.4	3.9	3.9	5.4	6.1	5.6	5.5	6.5	10.1	13.5	11.1	13.9	18.6	19.9	21.4	23.4	23.2
30.2	19.0IF	27.5IF	26.9IF	25.9IF	21.5IF	20.1IF	30.3IF	49.7IF	36.4IF	55.3IF	56.4IF	54.9IF	57.0IF	54.0IF	57.7IF	64.7IF	68.6IF	58.9IF	45.2IF	29.9IF
13.27	5.4	6.1	5.7	7.5	7.5	9.0	8.4	9.5	5.6	5.5	5.3	5.2	5.1	4.8	4.7	4.2	4.1	4.7	4.9	4.4

(88101) PM2.5 - Local Conditions

Apr. 17, 2024

CAS NUMBER: 26.132677

3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
31.5	27.5	26.9	25.9	21.5	20.1	30.3	49.7	36.4	55.3	56.4	54.9	57.0	54.0	57.7	64.7	68.6	58.9	45.2	29.9	
18.63	12.23	12.20	12.60	10.97	11.00	14.70	21.77	15.87	22.10	22.73	23.40	24.53	23.27	25.43	29.17	30.87	28.33	24.50	19.17	

MONTHLY OBSERVATIONS: 72 MONTHLY MEAN: 19.20 MONTHLY MAX: 68.6

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(88101) PM2.5 - Local Conditions

SITE ID:12-011-2003 POC:3

COUNTY: (011) Broward

CITY: (58075) Pompano Beach Highlands
SITE ADDRESS: 1951 NE 48TH ST

SITE COMMENTS: POMPANO HIGHLAND VOLUNTEER FIRE DEPARTMENT BROWARD COUNTY SITE #1

MONITOR COMMENTS:

SUPPORT AGENCY: (1328) Florida Department of Environmental Protection (FDEP)

MONITOR TYPE: SLAMS

COLLECTION AND ANALYSIS METHOD: (636) Teledyne T640 at 5.0 LPM w/Network

PQAO: (1328) Florida Department of Environmental Protection (FDEP)

STATE: (12) Florida
AQCR: (050) SOUTHEAST FLORIDA

URBANIZED AREA:(2680) FORT LAUDERDALE-HOLLYWOOD-POMPANO

LAND USE: RESIDENTIAL

LOCATION SETTING: SUBURBAN

REPORT FOR: OCTOBER 2023

CAS NUMBER:

LONGITUDE: 26.2910878597
-80.096353369

UTM ZONE:

UTM NORTHING:

UTM EASTING:

ELEVATION-MSL: 10

PROBE HEIGHT: 5.26

DURATION: 1 HOUR

UNITS: Micrograms/cubic meter (LC)

MIN DETECTABLE: .1

DAY \ HOUR	0000	2000	2100	2200	2300	OBS	MAXIMUM
1			31.4	33.1	32.1	24	33.1
			13.4IF	8.5IF	7.4IF	24	65.3
			3.9	4.0	4.1	23	6.5
2		2.8				0	
3	NO.:					0	
4	MAX:	30.2IF				0	
5	AVG:	6.5				0	
6						0	
7						0	
8						0	
9						0	
10						0	
11						0	
12						0	
13						0	
14						0	
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16						0	
17						0	
18						0	
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23						0	
24						0	
25						0	
26						0	
27						0	
28						0	
29						0	
30						0	
31						0	
			3	3	3		
			31.4	33.1	32.1		
			16.23	15.20	14.53		

3	28.1	3.3	3.5	3.2	3.0	4.0	5.9	5.0	7.9	8.3	9.4	12.0	10.5	11.1	17.5	19.7	21.9	24.2	25.6	26.7
	15.3IF	29.8IF	27.8IF	14.6IF	20.0IF	29.9IF	54.5IF	57.9IF	55.3IF	54.8IF	56.6IF	56.5IF	53.5IF	55.7IF	58.7IF	65.3IF	64.7IF	50.7IF	31.8IF	19.1IF
30.2		6.0	5.2	5.6	5.3	5.2	5.0	4.5	4.2	4.0	3.8	AX	4.2	3.8	3.7	3.6	3.7	4.2	4.3	3.9
13.17	4.0																			

(88101) PM2.5 - Local Conditions

CAS NUMBER: 26.2910878597

3	3	3	3	3	3	3	3	3	3	3	2	3	3	3	3	3	3	3	3
28.1	29.8	27.8	14.6	20.0	29.9	54.5	57.9	55.3	54.8	56.6	56.5	53.5	55.7	58.7	65.3	64.7	50.7	31.8	26.7
15.80	13.03	12.17	7.80	9.43	13.03	21.80	22.47	22.47	22.37	23.27	34.25	22.73	23.53	26.63	29.53	30.10	26.37	20.57	16.57

MONTHLY OBSERVATIONS: 71 MONTHLY MEAN: 19.51 MONTHLY MAX: 65.3

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

Apr. 17, 2024

(88101) PM2.5 - Local Conditions

CAS NUMBER:

SITE ID:12-011-5005 POC:3

STATE: (12) Florida

AQCR: (050) SOUTHEAST FLORIDA

LONGITUDE: 26.2941666667 -80.176388889

UTM ZONE:

COUNTY: (011) Broward
CITY: (13275) Coconut Creek

SITE ADDRESS: 4010 WINSTON PARK BLVD

URBANIZED AREA:(2680) FORT LAUDERDALE-HOLLYWOOD-POMPANO

UTM NORTHING:

SITE COMMENTS: PM10 AND CO-LOCATED HI-VOLS WILL BE APPROXIMATELY 1 MILE NW OF THE BROWARD COUNTY

LAND USE: RESIDENTIAL

UTM EASTING:

MONITOR COMMENTS:

LOCATION SETTING: SUBURBAN

ELEVATION-MSL: 0

PROBE HEIGHT: 3.35

SUPPORT AGENCY: (1328) Florida Department of Environmental Protection (FDEP)

MONITOR TYPE: SLAMS

REPORT FOR: OCTOBER 2023

DURATION: 1 HOUR

COLLECTION AND ANALYSIS METHOD: (238) Teledyne T640X at 16.67 LPM Broadb

UNITS: Micrograms/cubic meter (LC)

PQAO: (1328) Florida Department of Environmental Protection (FDEP)

MIN DETECTABLE: .1

HOUR

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM
1																									0	
2	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	0	
3	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	0	
4	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	AX	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	0	
5																									0	
6																									0	
7																									0	
8																									0	
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27																									0	
28																									0	
29																									0	
30																									0	
31																									0	

NO.:
MAX:
AVG:

MONTHLY OBSERVATIONS: 0 MONTHLY MEAN: MONTHLY MAX:

Apr. 17, 2024

(88101) PM2.5 - Local Conditions

CAS NUMBER: 26.2941666667

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(88101) PM2.5 - Local Conditions

SITE ID:12-031-0032 POC:3

COUNTY: (031) Duval
CITY: (35000) Jacksonville

SITE ADDRESS: 2900 Bennett Street, Jacksonville, FL 32206

SITE COMMENTS: PARK WOODED MAJOR INFLUENCES ELECTRIC GENERATING PLANT OIL FIRED GR 13' MSL 26' D

MONITOR COMMENTS:

SUPPORT AGENCY: (1328) Florida Department of Environmental Protection (FDEP)

MONITOR TYPE: SLAMS

COLLECTION AND ANALYSIS METHOD: (638) Teledyne T640X at 16.67 LPM w/Netw

PQAO: (1328) Florida Department of Environmental Protection (FDEP)

STATE: (12) Florida
AQCR: (49) JACKSONVILLE-BRUNSWICK

URBANIZED AREA:(3600) JACKSONVILLE, FL

LAND USE: COMMERCIAL

LOCATION SETTING: SUBURBAN

REPORT FOR: OCTOBER 2023

CAS NUMBER:
LONGITUDE: 30.356339 -81.635396
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 7
PROBE HEIGHT: 4.4

DURATION: 1 HOUR

UNITS: Micrograms/cubic meter (LC)

MIN DETECTABLE: .1

DAY \ HOUR	0000	2000	2100	2200	2300	OBS	MAXIMUM
1			24.5	10.3	20.5	24	34.6
			33.3IF	46.6IF	38.5IF	24	52.4
			9.6	7.2	9.3	23	23.0
2		12.0				0	
3	NO.:	20.8IF				0	
4	MAX:					0	
5	AVG:	23.0				0	
6						0	
7						0	
8						0	
9						0	
10						0	
11						0	
12						0	
13						0	
14						0	
15						0	
16						0	
17						0	
18						0	
19						0	
20						0	
21						0	
22						0	
23						0	
24						0	
25						0	
26						0	
27						0	
28						0	
29						0	
30						0	
31						0	
			3	3	3		
			33.3	46.6	38.5		
			22.47	21.37	22.77		
		3					
		23.0					

18.60 27.3 11.4 12.0 12.9 12.4 15.5 16.2 16.1 13.2 12.5 15.6 20.4 24.8 32.3 32.9 34.4 27.6 33.4 34.6 32.1
33.5IF 18.1IF 27.7IF 39.8IF 30.8IF 18.8IF 20.0IF 23.0IF 37.3IF 52.4IF 44.9IF 38.0IF 36.7IF 40.7IF 41.0IF 38.6IF 36.5IF 37.4IF 36.4IF 33.4IF
9.4 15.3 17.3 16.8 12.9 17.1 18.2 AX 14.9 17.5 14.7 11.1 10.3 12.8 12.9 10.6 12.1 13.3 10.8 8.8

(88101) PM2.5 - Local Conditions

CAS NUMBER: 30.356339

3 3 3 3 3 3 3 2 3 3 3 3 3 3 3 3 3 3 3 3 3
33.5 18.1 27.7 39.8 30.8 18.8 20.0 23.0 37.3 52.4 44.9 38.0 36.7 40.7 41.0 38.6 36.5 37.4 36.4 33.4
23.40 14.93 19.00 23.17 18.70 17.13 18.13 19.55 21.80 27.47 25.07 23.17 23.93 28.90 28.93 27.87 25.40 28.03 27.27 24.77

MONTHLY OBSERVATIONS: 71 MONTHLY MEAN: 23.04 MONTHLY MAX: 52.4

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(88101) PM2.5 - Local Conditions

CAS NUMBER:

SITE ID:12-031-0098 POC:3

STATE: (12) Florida

LONGITUDE: 30.135797178 -81.633980694

AQCR: (049) JACKSONVILLE-BRUNSWICK

UTM ZONE:

COUNTY: (031) Duval
CITY: (35000) Jacksonville

SITE ADDRESS: 14932 MANDARIN ROAD

URBANIZED AREA:(3600) JACKSONVILLE, FL

UTM NORTHING:

SITE COMMENTS:

LAND USE: COMMERCIAL

UTM EASTING:

LOCATION SETTING: SUBURBAN

ELEVATION-MSL:

MONITOR COMMENTS:

PROBE HEIGHT: 4 4.5

SUPPORT AGENCY: (1328) Florida Department of Environmental Protection (FDEP)

MONITOR TYPE: SLAMS

REPORT FOR: OCTOBER 2023

DURATION: 1 HOUR

COLLECTION AND ANALYSIS METHOD: (638) Teledyne T640X at 16.67 LPM w/Netw

UNITS: Micrograms/cubic meter (LC)

PQAO: (1328) Florida Department of Environmental Protection (FDEP)

MIN DETECTABLE: .1

HOUR

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM
1																									0	
2	11.2SX	11.4SX	9.7SX	11.5SX	11.7SX	13.4SX	22.3SX	24.3SX	21.0SX	15.6SX	14.5SX	21.5SX	26.6SX	35.9SX	38.9SX	36.3SX	31.9SX	27.7SX	30.8SX	31.8SX	29.6SX	25.3SX	24.6SX	22.8SX	24	38.9
3	17.6IF	21.4IF	21.2IF	25.6IF	35.4IF	50.5IF	32.1IF	31.4IF	34.5IF	52.8IF	57.5IF	44.4IF	38.4IF	43.3IF	40.9IF	36.4IF	35.7IF	38.2IF	38.2IF	31.2IF	28.5IF	26.4IF	35.9IF	39.1IF	24	57.5
4	32.5SX	29 30 31	22.2SX	16.9SX	16.7SX	14.7SX	13.6SX	14.8SX	18.4SX	33.3SX	41.8SX	34.4SX	22.2SX	10.3SX	10.5SX	10.9SX	8.4SX	9.6SX	7.1 SX	7.2 SX	7.9SX	8.0SX	8.6SX	8.8SX		8.1SX 24
5																										0
6																										0
7																										0
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25																										0
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27																										0
28																										0

0 41.8
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0

(88101) PM2.5 - Local Conditions

CAS NUMBER: 30.135797178

NO.:	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
MAX:	32.5	22.2	21.2	25.6	35.4	50.5	32.1	31.4	34.5	52.8	57.5	44.4	38.4	43.3	40.9	36.4	35.7	38.2	38.2	31.8	29.6	26.4	35.9	39.1
AVG:	20.43	18.33	15.93	17.93	20.60	25.83	23.07	24.70	29.60	36.73	35.47	29.37	25.10	29.90	30.23	27.03	25.73	24.33	25.40	23.63	22.03	20.10	23.10	23.33

MONTHLY OBSERVATIONS: 72 MONTHLY MEAN: 24.91 MONTHLY MAX: 57.5

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(88101) PM2.5 - Local Conditions

SITE ID: 12-031-0099 POC:3

COUNTY: (031) Duval
CITY: (35000) Jacksonville

SITE ADDRESS: 9429 MERRILL ROAD

SITE COMMENTS: ON A 1 STORY BATH HOUSE NEXT TO SMALL POOL IN A CITY PARK WAL-MART & OTHER SMALL

MONITOR COMMENTS:

SUPPORT AGENCY: (1328) Florida Department of Environmental Protection (FDEP)

MONITOR TYPE: SLAMS

COLLECTION AND ANALYSIS METHOD: (636) Teledyne T640 at 5.0 LPM w/Network

PQAO: (1328) Florida Department of Environmental Protection (FDEP)

STATE: (12) Florida
AQCR: (049) JACKSONVILLE-BRUNSWICK

URBANIZED AREA: (3600) JACKSONVILLE, FL

LAND USE: COMMERCIAL

LOCATION SETTING: SUBURBAN

REPORT FOR: OCTOBER 2023

CAS NUMBER:
LONGITUDE: 30.354722 -81.547778
UTM ZONE:

UTM NORTHING:

UTM EASTING:

ELEVATION-MSL: 7
PROBE HEIGHT: 4.88

DURATION: 1 HOUR

UNITS: Micrograms/cubic meter (LC)

MIN DETECTABLE: .1

DAY / HOUR	0000	2000	2100	2200	2300	OBS	MAXIMUM
1						0	
			20.9	10.4	24.4	24	30.1
			34.7IF	40.4IF	26.0IF	24	65.4
			7.5	7.9	8.3	24	21.9
2		10.5				0	
3	NO.:	17.4IF				0	
4	MAX:					0	
5	AVG:	14.0				0	
6						0	
7						0	
8						0	
9						0	
10						0	
11						0	
12						0	
13						0	
14						0	
15						0	
16						0	
17						0	
18						0	
19						0	
20						0	
21						0	
22						0	
23						0	
24						0	
25						0	
26						0	
27						0	
28						0	
29						0	
30						0	
31						0	
			3	3	3		
			34.7	40.4	26.0		
			21.03	19.57	19.57		

3

(88101) PM2.5 - Local Conditions

CAS NUMBER:

30.354722

17.4	23.0	10.4	11.8	11.8	12.3	15.5	15.2	14.2	11.3	10.7	14.4	18.0	22.8	30.1	30.0	27.9	21.7	24.6	27.1	26.2
13.97	21.7IF	21.6IF	34.7IF	53.8IF	51.5IF	65.4IF	55.0IF	40.3IF	50.2IF	49.0IF	36.4IF	30.6IF	34.3IF	36.3IF	33.3IF	31.7IF	31.3IF	32.5IF	27.1IF	24.1IF
	9.5	14.9	12.3	11.6	11.0	13.6	19.6	21.2	21.9	19.1	10.5	9.9	9.4	10.6	10.0	9.8	9.9	9.8	9.8	8.8

3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
23.0	21.6	34.7	53.8	51.5	65.4	55.0	40.3	50.2	49.0	36.4	30.6	34.3	36.3	33.3	31.7	31.3	32.5	27.1	26.2
18.07	15.63	19.60	25.73	24.93	31.50	29.93	25.23	27.80	26.27	20.43	19.50	22.17	25.67	24.43	23.13	20.97	22.30	21.33	19.70

MONTHLY OBSERVATIONS: 72 MONTHLY MEAN: 22.44 MONTHLY MAX: 65.4

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(88101) PM2.5 - Local Conditions

SITE ID:12-031-0108 POC:3

COUNTY: (031) Duval
CITY: (35000) Jacksonville

SITE ADDRESS: 5895 Pepsi Place, Jacksonville, FL 32216

SITE COMMENTS:

MONITOR COMMENTS:

SUPPORT AGENCY: (1328) Florida Department of Environmental Protection (FDEP)

STATE: (12) Florida
AQCR: (049) JACKSONVILLE-BRUNSWICK

URBANIZED AREA:(3600) JACKSONVILLE, FL

LAND USE: MOBILE
LOCATION SETTING: SUBURBAN

CAS NUMBER:
LONGITUDE: 30.262778 -81.606833
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL:
PROBE HEIGHT: 5.79 3.66

MONITOR TYPE: SLAMS

COLLECTION AND ANALYSIS METHOD: (636) Teledyne T640 at 5.0 LPM w/Network

REPORT FOR: OCTOBER 2023

DURATION: 1 HOUR

UNITS: Micrograms/cubic meter (LC)

PQAO: (1328) Florida Department of Environmental Protection (FDEP)

MIN DETECTABLE: .1

DAY \ HOUR	0000	2000	2100	2200	2300	OBS	MAXIMUM
1			22.7	15.8	14.6	24	31.2
			28.0IF	33.6IF	35.7IF	24	55.2
			9.0	7.3	9.3	24	25.6
2		10.8				0	
3	NO.:	23.8IF				0	
4	MAX:					0	
5	AVG:	22.5				0	
6						0	
7						0	
8						0	
9						0	
10						0	
11						0	
12						0	
13						0	
14						0	
15						0	
16						0	
17						0	
18						0	
19						0	
20						0	
21						0	
22						0	
23						0	
24						0	
25						0	
26						0	
27						0	
28						0	
29						0	
30						0	
31						0	
			3	3	3		
			28.0	33.6	35.7		
			19.90	18.90	19.87		

3	23.9	10.5	11.0	11.9	11.1	14.3	16.7	15.7	12.5	11.0	14.1	18.7	23.6	31.3	30.4	30.4	23.8	25.0	27.4	27.3
23.8	23.2IF	20.0IF	30.0IF	44.6IF	55.2IF	42.7IF	28.2IF	28.1IF	36.7IF	49.2IF	42.6IF	35.1IF	33.7IF	35.9IF	34.9IF	28.1IF	31.9IF	32.9IF	30.0IF	24.8IF
19.03	7.4	14.4	14.8	12.1	11.9	11.6	15.6	20.5	23.2	25.6	16.5	12.0	9.6	9.9	9.8	6.1	9.4	9.7	10.2	8.6

(88101) PM2.5 - Local Conditions

CAS NUMBER:
30.262778

3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
23.9	20.0	30.0	44.6	55.2	42.7	28.2	28.1	36.7	49.2	42.6	35.1	33.7	35.9	34.9	30.4	31.9	32.9	30.0	27.3
18.17	14.97	18.60	22.87	26.07	22.87	20.17	21.43	24.13	28.60	24.40	21.93	21.97	25.67	25.03	21.53	21.70	22.53	22.53	20.23

MONTHLY OBSERVATIONS: 72 MONTHLY MEAN: 21.80 MONTHLY MAX: 55.2

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(88101) PM2.5 - Local Conditions

CAS NUMBER:

SITE ID:12-033-0004 POC:3

STATE: (12) Florida

LONGITUDE: 30.525367 -87.20355

AQCR: (005) MOBILE-PENSACOLA-PANAMA CITY-SOUTH

UTM ZONE:

COUNTY: (033) Escambia
CITY: (22275) Ferry Pass

SITE ADDRESS: ELLYSON INDUSTRIAL PARK-COPTER ROAD

URBANIZED AREA:(6080) PENSACOLA, FL

UTM NORTHING:

SITE COMMENTS: ADD NOX INSTRUMENT---DELETE CO INSTRUMENT

LAND USE: INDUSTRIAL

UTM EASTING:

MONITOR COMMENTS:

LOCATION SETTING: SUBURBAN

ELEVATION-MSL: 32

PROBE HEIGHT: 2.92

SUPPORT AGENCY: (1328) Florida Department of Environmental Protection (FDEP)

MONITOR TYPE: SLAMS

REPORT FOR: OCTOBER 2023

DURATION: 1 HOUR

COLLECTION AND ANALYSIS METHOD: MULTIPLE METHODS

UNITS: Micrograms/cubic meter (LC)

PQAO: (1328) Florida Department of Environmental Protection (FDEP)

MIN DETECTABLE: .1

DAY \ HOUR	0000	2000	2100	2200	2300	OBS	MAXIMUM
1			9.1	8.8	9.4	24	11.7
			37.8IF	34.8IF	32.8IF	20	39.9
			31.1	30.6	29.4	24	43.1
2		6.1				0	
3	NO.:					0	
4	MAX:	12.2IF				0	
5	AVG:	39.3				0	
6						0	
7						0	
8						0	
9						0	
10						0	
11						0	
12						0	
13						0	
14						0	
15						0	
16						0	
17						0	
18						0	
19						0	
20						0	
21						0	
22						0	
23						0	
24						0	
25						0	
26						0	
27						0	
28						0	
29						0	
30						0	
31						0	
			3	3	3		
			37.8	34.8	32.8		
			26.00	24.73	23.87		

3

39.3 10.1
19.20 38.4IF

	6.0	5.9	6.1	6.3	6.3	6.4	6.7	6.7	6.3	6.4	6.8	7.4	7.4	7.5	7.1	7.5	7.8	11.7	11.2
	16.5IF	22.5IF	27.9IF	31.1IF	31.4IF	31.8IF	29.6IF	28.4IF	AX	BA	AT	AX	32.0IF	32.3IF	33.1IF	34.3IF	35.7IF	38.3IF	39.9IF
30.6	41.5	41.5	43.1	41.9	41.9	40.7	36.7	33.3	27.6	26.3	27.4	26.0	25.7	25.0	26.2	28.5	28.9	30.6	30.6

(88101) PM2.5 - Local Conditions

CAS NUMBER: 30.525367

3	3	3	3	3	3	3	3	3	2	2	2	2	3	3	3	3	3	3	3
38.4	41.5	41.5	43.1	41.9	41.9	40.7	36.7	33.3	27.6	26.3	27.4	26.0	32.0	32.3	33.1	34.3	35.7	38.3	39.9
26.37	21.33	23.30	25.70	26.43	26.53	26.30	24.33	22.80	16.95	16.35	17.10	16.70	21.70	21.60	22.13	23.43	24.13	26.87	27.23

MONTHLY OBSERVATIONS: 68 MONTHLY MEAN: 23.33 MONTHLY MAX: 43.1

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(88101) PM2.5 - Local Conditions

CAS NUMBER:

SITE ID:12-057-0113 POC:1

STATE: (12) Florida

LONGITUDE: 27.9551330008 -82.469532

AQCR: (052) WEST CENTRAL FLORIDA

UTM ZONE:

COUNTY: (057) Hillsborough
CITY: (71000) Tampa

SITE ADDRESS: 1497 N Munro Street, Tampa, FL 33607

URBANIZED AREA:(8280) TAMPA-ST. PETERSBURG-CLEARWATER,

UTM NORTHING:

SITE COMMENTS:

LAND USE: RESIDENTIAL

UTM EASTING:

LOCATION SETTING: SUBURBAN

ELEVATION-MSL:

MONITOR COMMENTS:

PROBE HEIGHT: 6 5.21

SUPPORT AGENCY: (1328) Florida Department of Environmental Protection (FDEP)

MONITOR TYPE: SLAMS

REPORT FOR: OCTOBER 2023

DURATION: 1 HOUR

COLLECTION AND ANALYSIS METHOD: (236) Teledyne T640 at 5.0 LPM Broadband

UNITS: Micrograms/cubic meter (LC)

PQAO: (1328) Florida Department of Environmental Protection (FDEP)

MIN DETECTABLE: .1

DAY	HOUR 0000	2000	2100	2200	2300	OBS	MAXIMUM
1						0	
			41.6	40.5	36.8	24	41.8
			11.9IF	11.9IF	11.4IF	24	76.0
			12.1	13.2	16.0	24	29.1
2		6.5				0	
3	NO.:					0	
4	MAX:	35.1IF				0	
5	AVG:	12.5				0	
6						0	
7						0	
8						0	
9						0	
10						0	
11						0	
12						0	
13						0	
14						0	
15						0	
16						0	
17						0	
18						0	
19						0	
20						0	
21						0	
22						0	
23						0	
24						0	
25						0	
26						0	
27						0	
28						0	
29						0	
30						0	
31						0	
			3	3	3		
			41.6	40.5	36.8		
			21.87	21.87	21.40		

3	41.8	6.4	6.1	6.3	6.7	6.8	7.4	8.2	8.9	8.2	7.7	8.8	11.0	14.3	16.4	19.9	24.5	27.0	30.4	38.4
35.1	15.3IF	34.5IF	35.1IF	35.1IF	33.5IF	34.3IF	36.6IF	35.8IF	38.5IF	41.4IF	52.5IF	63.7IF	65.7IF	68.2IF	76.0IF	73.3IF	42.6IF	27.8IF	18.0IF	17.2IF
18.03	11.7	13.4	14.9	20.7	25.0	28.0	29.1	27.7	23.0	18.0	15.5	12.9	11.6	12.4	12.5	11.4	11.5	13.8	12.3	11.7

(88101) PM2.5 - Local Conditions

Apr. 17, 2024

CAS NUMBER:

27.9551330008

3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
41.8	34.5	35.1	35.1	33.5	34.3	36.6	35.8	38.5	41.4	52.5	63.7	65.7	68.2	76.0	73.3	42.6	27.8	30.4	38.4	
22.93	18.10	18.70	20.70	21.73	23.03	24.37	23.90	23.47	22.53	25.23	28.47	29.43	31.63	34.97	34.87	26.20	22.87	20.23	22.43	

MONTHLY OBSERVATIONS: 72 MONTHLY MEAN: 24.12 MONTHLY MAX: 76.0

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(88101) PM2.5 - Local Conditions

CAS NUMBER:

SITE ID:12-057-3002 POC:1

STATE: (12) Florida

LONGITUDE: 27.9656500008 -82.2304

AQCR: (052) WEST CENTRAL FLORIDA

UTM ZONE:

COUNTY: (057) Hillsborough
CITY: (73700) Valrico

SITE ADDRESS: 1167 N Dover Road, Valrico, FL 33527

URBANIZED AREA:(0000) NOT IN AN URBAN AREA

UTM NORTHING:

SITE COMMENTS:

LAND USE: RESIDENTIAL

UTM EASTING:

LOCATION SETTING: RURAL

ELEVATION-MSL: 20

MONITOR COMMENTS:

PROBE HEIGHT: 2.4

SUPPORT AGENCY: (1328) Florida Department of Environmental Protection (FDEP)

MONITOR TYPE:SLAMS

REPORT FOR: 2023

DURATION:24 HOUR

COLLECTION AND ANALYSIS METHOD: (145) R & P Model 2025 PM-2.5 Sequential

UNITS: Micrograms/cubic meter (LC)

PQAO: (1328) Florida Department of Environmental Protection (FDEP)

MIN DETECTABLE: 2

MONTH

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1												
2												
3										33.1 IF		
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30												
31												
NO.:	0	0	0	0	0	0	0	0	0	1	0	0
MAX:										33.1		
MEAN:										33.10		

ANNUAL OBSERVATIONS: 1 ANNUAL MEAN: 33.10 ANNUAL MAX: 33.1

(88101) PM2.5 - Local Conditions

CAS NUMBER: 27.9656500008

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(88101) PM2.5 - Local Conditions

CAS NUMBER:

SITE ID:12-057-3002 POC:2

STATE: (12) Florida

LONGITUDE: 27.9656500008 -82.2304

AQCR: (052) WEST CENTRAL FLORIDA

UTM ZONE:

COUNTY: (057) Hillsborough
CITY: (73700) Valrico

SITE ADDRESS: 1167 N Dover Road, Valrico, FL 33527

URBANIZED AREA:(0000) NOT IN AN URBAN AREA

UTM NORTHING:

SITE COMMENTS:

LAND USE: RESIDENTIAL

UTM EASTING:

LOCATION SETTING: RURAL

ELEVATION-MSL: 20

MONITOR COMMENTS:

PROBE HEIGHT: 2.4

SUPPORT AGENCY: (1328) Florida Department of Environmental Protection (FDEP)

MONITOR TYPE:SLAMS

REPORT FOR: 2023

DURATION:24 HOUR

COLLECTION AND ANALYSIS METHOD: (145) R & P Model 2025 PM-2.5 Sequential

UNITS: Micrograms/cubic meter (LC)

PQAO: (1328) Florida Department of Environmental Protection (FDEP)

MIN DETECTABLE: 2

MONTH

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1												
2												
3										33.3 IF		
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30												
31												
NO.:	0	0	0	0	0	0	0	0	0	1	0	0
MAX:										33.3		
MEAN:										33.30		

ANNUAL OBSERVATIONS: 1 ANNUAL MEAN: 33.30 ANNUAL MAX: 33.3

(88101) PM2.5 - Local Conditions

CAS NUMBER: 27.9656500008

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

Apr. 17, 2024

(88101) PM2.5 - Local Conditions

CAS NUMBER:

SITE ID:12-057-3002 POC:3

STATE: (12) Florida

LONGITUDE: 27.9656500008 -82.2304

AQCR: (052) WEST CENTRAL FLORIDA

UTM ZONE:

COUNTY: (057) Hillsborough
CITY: (73700) Valrico

SITE ADDRESS: 1167 N Dover Road, Valrico, FL 33527

URBANIZED AREA:(0000) NOT IN AN URBAN AREA

UTM NORTHING:

SITE COMMENTS:

LAND USE: RESIDENTIAL

UTM EASTING:

LOCATION SETTING: RURAL

ELEVATION-MSL: 20

MONITOR COMMENTS:

PROBE HEIGHT: 2.4

SUPPORT AGENCY: (1328) Florida Department of Environmental Protection (FDEP)

MONITOR TYPE: SLAMS

REPORT FOR: OCTOBER 2023

DURATION: 1 HOUR

COLLECTION AND ANALYSIS METHOD: (183) Thermo Scientific 5014i or FH62C14

UNITS: Micrograms/cubic meter (LC)

PQAO: (1328) Florida Department of Environmental Protection (FDEP)

MIN DETECTABLE: 2

HOUR

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM
1																									0	
2	7.9	4.0	3.6	5.9	3.5	2.6	3.1	1.6	2.2	6.7	1.9	2.9	4.9	8.9	13.6	23.1	23.1	27.6	33.1	47.3	46.0	46.5	43.4	33.7	24	47.3
3	26.0	29.0	31.1	31.5	29.6	31.1	30.6	28.8	35.9	41.8	50.6	59.9	66.3	69.3	80.3	59.4	40.5	27.8	19.4	12.6	11.3	7.8	9.2	8.1	24	80.3
4	3.6	6.3	11.3	13.3	13.8	17.3	20.0	24.5	24.4	19.9	14.1	11.7	6.7	3.9	5.4	10.3	8.8	9.6	10.0	11.4	12.0	8.7	13.3	11.4	24	24.5
5																									0	
6																									0	
7																									0	
8																									0	
9																									0	
10																									0	
11																									0	
12																									0	
13																									0	
14																									0	
15																									0	
16																									0	
17																									0	
18																									0	
19																									0	
20																									0	
21																									0	
22																									0	
23																									0	
24																									0	
25																									0	
26																									0	
27																									0	
28																									0	
29																									0	
30																									0	
31																									0	
NO.:	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3		
MAX:	26.0	29.0	31.1	31.5	29.6	31.1	30.6	28.8	35.9	41.8	50.6	59.9	66.3	69.3	80.3	59.4	40.5	27.8	33.1	47.3	46.0	46.5	43.4	33.7		

AVG: 12.50 13.10 15.33 16.90 15.63 17.00 17.90 18.30 20.83 22.80 22.20 24.83 25.97 27.37 33.10 30.93 24.13 21.67 20.83 23.77 23.10 21.00 21.97 17.73

Apr. 17, 2024

MONTHLY OBSERVATIONS: 72 MONTHLY MEAN: 21.20 MONTHLY MAX: 80.3

(88101) PM2.5 - Local Conditions

CAS NUMBER: 27.9656500008

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(88101) PM2.5 - Local Conditions

SITE ID:12-073-0012 POC:1

COUNTY: (073) Leon
CITY: (70600) Tallahassee

SITE ADDRESS: 110 CENTURY PARK CIRCLE WEST

SITE COMMENTS:

MONITOR COMMENTS:

STATE: (12) Florida
AQCR: (049) JACKSONVILLE-BRUNSWICK

URBANIZED AREA:(8240) TALLAHASSEE, FL

LAND USE: COMMERCIAL
LOCATION SETTING: SUBURBAN

CAS NUMBER:
LONGITUDE: 30.4397220008 -84.346389
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL:
PROBE HEIGHT: 15.9 2

SUPPORT AGENCY: (1328) Florida Department of Environmental Protection (FDEP)

MONITOR TYPE:SLAMS

REPORT FOR: 2023

DURATION:24 HOUR

COLLECTION AND ANALYSIS METHOD: (145) R & P Model 2025 PM-2.5 Sequential

UNITS: Micrograms/cubic meter (LC)

PQAO: (1328) Florida Department of Environmental Protection (FDEP)

MIN DETECTABLE: 2

MONTH

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1												
2												
3										P 36.8 IF		
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30												
31												
NO.:	0	0	0	0	0	0	0	0	0	1	0	0
MAX:										36.8		
MEAN:										36.80		

ANNUAL OBSERVATIONS: 1 ANNUAL MEAN: 36.80 ANNUAL MAX: 36.8

1 Values marked with 'P' exceed the PRIMARY STANDARD of: 35.5

1 Values marked with 'S' exceed the SECONDARY STANDARD of: 35.5

(88101) PM2.5 - Local Conditions

CAS NUMBER: 30.4397220008

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(88101) PM2.5 - Local Conditions

CAS NUMBER:

SITE ID:12-073-0012 POC:2

STATE: (12) Florida

LONGITUDE: 30.4397220008 -84.346389

AQCR: (049) JACKSONVILLE-BRUNSWICK

UTM ZONE:

COUNTY: (073) Leon
CITY: (70600) Tallahassee

SITE ADDRESS: 110 CENTURY PARK CIRCLE WEST

URBANIZED AREA:(8240) TALLAHASSEE, FL

UTM NORTHING:

SITE COMMENTS:

LAND USE: COMMERCIAL

UTM EASTING:

LOCATION SETTING: SUBURBAN

ELEVATION-MSL:

MONITOR COMMENTS:

PROBE HEIGHT: 15.92

SUPPORT AGENCY: (1328) Florida Department of Environmental Protection (FDEP)

MONITOR TYPE:SLAMS

REPORT FOR: 2023

DURATION:24 HOUR

COLLECTION AND ANALYSIS METHOD: (145) R & P Model 2025 PM-2.5 Sequential

UNITS: Micrograms/cubic meter (LC)

PQAO: (1328) Florida Department of Environmental Protection (FDEP)

MIN DETECTABLE: 2

MONTH

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1												
2												
3										P 38.3 IF		
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30												
31												
NO.:	0	0	0	0	0	0	0	0	0	1	0	0
MAX:										38.3		
MEAN:										38.30		

ANNUAL OBSERVATIONS: 1 ANNUAL MEAN: 38.30 ANNUAL MAX: 38.3

1 Values marked with 'P' exceed the PRIMARY STANDARD of: 35.5

1 Values marked with 'S' exceed the SECONDARY STANDARD of: 35.5

(88101) PM2.5 - Local Conditions

CAS NUMBER: 30.4397220008

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(88101) PM2.5 - Local Conditions

CAS NUMBER:

SITE ID:12-073-0012 POC:3

STATE: (12) Florida

LONGITUDE: 30.4397220008 -84.346389

AQCR: (049) JACKSONVILLE-BRUNSWICK

UTM ZONE:

COUNTY: (073) Leon
CITY: (70600) Tallahassee

SITE ADDRESS: 110 CENTURY PARK CIRCLE WEST

URBANIZED AREA:(8240) TALLAHASSEE, FL

UTM NORTHING:

SITE COMMENTS:

LAND USE: COMMERCIAL

UTM EASTING:

LOCATION SETTING:

ELEVATION-MSL:

MONITOR COMMENTS:

SUBURBAN

PROBE HEIGHT: 15.9

SUPPORT AGENCY: (1328) Florida Department of Environmental Protection (FDEP)

MONITOR TYPE: SLAMS

REPORT FOR: OCTOBER 2023

DURATION: 1 HOUR

COLLECTION AND ANALYSIS METHOD: (636) Teledyne T640 at 5.0 LPM w/Network

UNITS: Micrograms/cubic meter (LC)

PQAO: (1328) Florida Department of Environmental Protection (FDEP)

MIN DETECTABLE: .1

DAY \ HOUR	0000	2000	2100	2200	2300	OBS	MAXIMUM
1						0	
			20.2	26.7	31.4	24	31.4
			64.7IF	68.4IF	64.4IF	24	72.4
			8.9	9.1	9.4	24	54.4
2		5.3				0	
3	NO.:					0	
4	MAX:	33.2IF				0	
5	AVG:					0	
6		54.4				0	
7						0	
8						0	
9						0	
10						0	
11						0	
12						0	
13						0	
14						0	
15						0	
16						0	
17						0	
18						0	
19						0	
20						0	
21						0	
22						0	
23						0	
24						0	
25						0	
26						0	
27						0	
28						0	
29						0	
30						0	
31						0	
			3	3	3		
			64.7	68.4	64.4		
			31.27	34.73	35.07		

3	16.0	4.9	5.0	4.8	5.1	5.8	6.7	8.7	9.6	9.6	11.0	12.4	13.2	10.5	10.4	10.2	9.9	9.5	11.2	13.4
54.4	60.5IF	33.6IF	33.6IF	32.8IF	30.8IF	29.8IF	31.2IF	30.4IF	28.4IF	18.4IF	19.4IF	35.5IF	43.5IF	46.6IF	58.2IF	72.4IF	65.2IF	60.1IF	58.6IF	57.0IF
30.97	9.6	47.7	37.9	32.3	33.7	26.9	21.1	20.0	17.8	15.1	16.6	17.1	15.9	13.7	11.8	10.1	9.6	9.1	9.7	9.9

(88101) PM2.5 - Local Conditions

CAS NUMBER: 30.4397220008

3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
60.5	47.7	37.9	32.8	33.7	29.8	31.2	30.4	28.4	18.4	19.4	35.5	43.5	46.6	58.2	72.4	65.2	60.1	58.6	57.0	
28.70	28.73	25.50	23.30	23.20	20.83	19.67	19.70	18.60	14.37	15.67	21.67	23.87	23.70	26.80	30.90	28.23	26.23	26.50	26.77	

MONTHLY OBSERVATIONS: 72 MONTHLY MEAN: 25.21 MONTHLY MAX: 72.4

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(88101) PM2.5 - Local Conditions

CAS NUMBER:

SITE ID:12-073-0012 POC:4

STATE: (12) Florida

LONGITUDE: 30.4397220008 -84.346389

AQCR: (49) JACKSONVILLE-BRUNSWICK

UTM ZONE:

COUNTY: (073) Leon
CITY: (70600) Tallahassee

SITE ADDRESS: 110 CENTURY PARK CIRCLE WEST

URBANIZED AREA:(8240) TALLAHASSEE, FL

UTM NORTHING:

SITE COMMENTS:

LAND USE: COMMERCIAL

UTM EASTING:

MONITOR COMMENTS:

LOCATION SETTING: SUBURBAN

ELEVATION-MSL:

PROBE HEIGHT: 15.9

SUPPORT AGENCY: (1328) Florida Department of Environmental Protection (FDEP)

MONITOR TYPE:SLAMS

REPORT FOR: 2023

DURATION:24 HOUR

COLLECTION AND ANALYSIS METHOD: (145) R & P Model 2025 PM-2.5 Sequential

UNITS: Micrograms/cubic meter (LC)

PQAO: (1328) Florida Department of Environmental Protection (FDEP)

MIN DETECTABLE: 2

MONTH

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1												
2												
3										BJ		
4												
5												
6												
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25												
26												
27												
28												
29												
30												
31												
NO.:	0	0	0	0	0	0	0	0	0	0	0	0
MAX:												
MEAN:												

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(88101) PM2.5 - Local Conditions

CAS NUMBER: 30.4397220008

(88101) PM2.5 - Local Conditions

CAS NUMBER:

SITE ID:12-085-0007 POC:3

STATE: (12) Florida

AQCR: (50) SOUTHEAST FLORIDA

LONGITUDE: -80.240689

UTM ZONE:

COUNTY: (085) Martin
CITY: (68875) Stuart

SITE ADDRESS: 950 SE MONTEREY RD

URBANIZED AREA:(8130) STUART, FL

UTM NORTHING:

SITE COMMENTS:

LAND USE: COMMERCIAL

UTM EASTING:

MONITOR COMMENTS:

LOCATION SETTING: URBAN AND CENTER CITY

ELEVATION-MSL:

PROBE HEIGHT: 4.1 2.07

SUPPORT AGENCY: (1328) Florida Department of Environmental Protection (FDEP)

MONITOR TYPE: SLAMS

REPORT FOR: OCTOBER 2023

DURATION: 1 HOUR

COLLECTION AND ANALYSIS METHOD: (638) Teledyne T640X at 16.67 LPM w/Netw

UNITS: Micrograms/cubic meter (LC)

PQAO: (1328) Florida Department of Environmental Protection (FDEP)

MIN DETECTABLE: .1

HOUR

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM
1																									0	
2	5.7	5.2	4.9	4.1	4.2	4.5	5.9	6.4	9.2	9.8	10.6	10.5	12.3	16.5	23.9	27.7	29.4	32.4	37.0	35.0	22.1	15.6	12.6	11.8	24	37.0
3	17.6IF	34.1IF	55.6IF	90.0IF	91.1IF	101.5IF	106.1IF	86.6IF	78.9IF	79.0IF	67.2IF	56.9IF	54.6IF	48.2IF	36.3IF	27.1IF	15.2IF	10.5IF	11.5IF	11.0IF	10.5IF	8.1IF	6.5IF	5.9IF	24	106.1
4	5.1	5.5	5.0	4.6	4.1	3.8	4.1	4.5	3.9	4.0	4.1	3.6	4.4	4.4	3.8	5.1	4.9	4.3	4.4	4.0	4.3	4.3	3.7	4.5	24	5.5
5																									0	
6																									0	
7																									0	
8																									0	
9																									0	
10																									0	
11																									0	
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25																									0	
26																									0	
27																									0	
28																									0	
29																									0	
30																									0	
31																									0	
NO.:	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3		
MAX:	17.6	34.1	55.6	90.0	91.1	101.5	106.1	86.6	78.9	79.0	67.2	56.9	54.6	48.2	36.3	27.7	29.4	32.4	37.0	35.0	22.1	15.6	12.6	11.8		
AVG:	9.47	14.93	21.83	32.90	33.13	36.60	38.70	32.50	30.67	30.93	27.30	23.67	23.77	23.03	21.33	19.97	16.50	15.73	17.63	16.67	12.30	9.33	7.60	7.40		

MONTHLY OBSERVATIONS: 72 MONTHLY MEAN: 21.83 MONTHLY MAX: 106.1

(88101) PM2.5 - Local Conditions

CAS NUMBER: 27.172458

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(88101) PM2.5 - Local Conditions

CAS NUMBER:

SITE ID:12-086-0033 POC:1

STATE: (12) Florida
AQCR: (050) SOUTHEAST FLORIDA

LONGITUDE: 25.9419444 -80.3263889
UTM ZONE:

COUNTY: (086) Miami-Dade

CITY: (54500) Palm Springs North
SITE ADDRESS: 7700 NW 186 STREET

URBANIZED AREA:(5000) MIAMI-HIALEAH, FL

UTM NORTHING:

SITE COMMENTS:

LAND USE: RESIDENTIAL
LOCATION SETTING: SUBURBAN

UTM EASTING:
ELEVATION-MSL:
PROBE HEIGHT: 2 6.45

MONITOR COMMENTS:

SUPPORT AGENCY: (1328) Florida Department of Environmental Protection (FDEP)

MONITOR TYPE:SLAMS

REPORT FOR: 2023

DURATION:24 HOUR

COLLECTION AND ANALYSIS METHOD: (145) R & P Model 2025 PM-2.5 Sequential

UNITS: Micrograms/cubic meter (LC)

PQAO: (1328) Florida Department of Environmental Protection (FDEP)

MIN DETECTABLE: 2

MONTH

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1												
2												
3										BJ		
4												
5												
6												
7												
8												
9												
10												
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19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30												
31												
NO.:	0	0	0	0	0	0	0	0	0	0	0	0
MAX:												
MEAN:												

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(88101) PM2.5 - Local Conditions

CAS NUMBER: 25.9419444

(88101) PM2.5 - Local Conditions

SITE ID:12-086-1016 POC:2

COUNTY: (086) Miami-Dade
CITY: (45000) Miami

SITE ADDRESS: 1200 NW 20th St, Miami, FL 33142

SITE COMMENTS: DCPC#40,INSTALLATION-I 78 HV NAQTS

MONITOR COMMENTS: THIS IS THE PM2.5 CORE SAMPLER FOR MIAMI-DADE COUNTY

SUPPORT AGENCY: (1328) Florida Department of Environmental Protection (FDEP)

MONITOR TYPE:SLAMS

COLLECTION AND ANALYSIS METHOD: (145) R & P Model 2025 PM-2.5 Sequential

PQAO: (1328) Florida Department of Environmental Protection (FDEP)

STATE: (12) Florida
AQCR: (050) SOUTHEAST FLORIDA

URBANIZED AREA:(5000) MIAMI-HIALEAH, FL

LAND USE: COMMERCIAL

LOCATION SETTING: URBAN AND CENTER CITY

REPORT FOR: 2023

CAS NUMBER:
LONGITUDE: 25.794222 -80.2155556
UTM ZONE:

UTM NORTHING:

UTM EASTING:

ELEVATION-MSL: 4

PROBE HEIGHT: 8

DURATION:24 HOUR

UNITS: Micrograms/cubic meter (LC)

MIN DETECTABLE: 2

MONTH

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1												
2												
3										5.5 QX		
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
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20												
21												
22												
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24												
25												
26												
27												
28												
29												
30												
31												
NO.:	0	0	0	0	0	0	0	0	0	1	0	0
MAX:										5.5		
MEAN:										5.50		

ANNUAL OBSERVATIONS: 1 ANNUAL MEAN: 5.50 ANNUAL MAX: 5.5

(88101) PM2.5 - Local Conditions

CAS NUMBER: 25.794222

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(88101) PM2.5 - Local Conditions

SITE ID:12-086-1016 POC:3

COUNTY: (086) Miami-Dade
CITY: (45000) Miami

SITE ADDRESS: 1200 NW 20th St, Miami, FL 33142

SITE COMMENTS: DCPC#40,INSTALLATION-I 78 HV NAQTS

MONITOR COMMENTS:

SUPPORT AGENCY: (1328) Florida Department of Environmental Protection (FDEP)

MONITOR TYPE: SLAMS

COLLECTION AND ANALYSIS METHOD: (238) Teledyne T640X at 16.67 LPM Broadb

PQAO: (1328) Florida Department of Environmental Protection (FDEP)

STATE: (12) Florida
AQCR: (050) SOUTHEAST FLORIDA

URBANIZED AREA:(5000) MIAMI-HIALEAH, FL

LAND USE: COMMERCIAL

LOCATION SETTING: URBAN AND CENTER CITY

REPORT FOR: OCTOBER 2023

CAS NUMBER:
LONGITUDE: 25.794222 -80.2155556
UTM ZONE:

UTM NORTHING:

UTM EASTING:

ELEVATION-MSL: 4
PROBE HEIGHT: 8.14

DURATION: 1 HOUR

UNITS: Micrograms/cubic meter (LC)

MIN DETECTABLE: .1

DAY / HOUR	0000	2000	2100	2200	2300	OBS	MAXIMUM
1						0	
			22.5	22.1	22.2	24	22.5
			10.5IF	9.0IF	7.9IF	24	30.7
			5.9	6.7	5.9	24	7.5
2		3.5				0	
3	NO.:					0	
4	MAX:	22.0IF				0	
5	AVG:	5.9				0	
6						0	
7						0	
8						0	
9						0	
10						0	
11						0	
12						0	
13						0	
14						0	
15						0	
16						0	
17						0	
18						0	
19						0	
20						0	
21						0	
22						0	
23						0	
24						0	
25						0	
26						0	
27						0	
28						0	
29						0	
30						0	
31						0	
			3	3	3		
			22.5	22.1	22.2		
			12.97	12.60	12.00		

3 19.9 22.0 17.2IF 10.47

4.3	4.7	5.2	5.4	5.6	5.7	5.1	6.5	6.9	7.6	8.2	10.2	11.7	10.8	13.8	16.1	16.7	17.2	19.4
24.1IF	22.5IF	20.8IF	21.1IF	23.6IF	20.4IF	22.3IF	16.6IF	22.0IF	26.4IF	28.0IF	28.5IF	25.3IF	27.6IF	30.4IF	30.7IF	30.5IF	27.4IF	21.8IF
5.7	5.5	6.2	6.0	6.2	6.2	6.4	7.5	5.7	5.5	5.7	5.3	5.2	5.0	5.1	4.8	4.2	4.4	3.9	5.9

(88101) PM2.5 - Local Conditions

CAS NUMBER: 25.794222

3 19.9 14.27

3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
24.1	22.5	20.8	21.1	23.6	20.4	22.3	16.6	22.0	26.4	28.0	28.5	25.3	27.6	30.4	30.7	30.5	27.4	21.8
11.30	11.13	10.67	10.90	11.80	10.83	11.63	9.60	11.47	13.23	13.83	14.63	14.00	14.50	16.33	17.00	17.20	16.17	15.70

MONTHLY OBSERVATIONS: 72 MONTHLY MEAN: 13.09 MONTHLY MAX: 30.7

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(88101) PM2.5 - Local Conditions

SITE ID:12-086-6001 POC:1

COUNTY: (086) Miami-Dade
CITY: (32275) Homestead

SITE ADDRESS: FIRE STATION 325 NW 2ND ST

SITE COMMENTS: DCPC #23, INSTALLATION 1-1-71

MONITOR COMMENTS: THIS IS THE PM2.5 1 IN 3 DAY SAMPLER FOR DADE COUNTY

SUPPORT AGENCY: (1328) Florida Department of Environmental Protection (FDEP)

MONITOR TYPE:SLAMS

COLLECTION AND ANALYSIS METHOD: (145) R & P Model 2025 PM-2.5 Sequential

PQAO: (1328) Florida Department of Environmental Protection (FDEP)

STATE: (12) Florida
AQCR: (050) SOUTHEAST FLORIDA

URBANIZED AREA:(5000) MIAMI-HIALEAH, FL

LAND USE: COMMERCIAL

LOCATION SETTING: SUBURBAN

REPORT FOR: 2023

CAS NUMBER:
LONGITUDE: 25.471944 -80.482778
UTM ZONE:

UTM NORTHING:

UTM EASTING:

ELEVATION-MSL: 7

PROBE HEIGHT: 7

DURATION:24 HOUR

UNITS: Micrograms/cubic meter (LC)

MIN DETECTABLE: 2

MONTH

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1												
2												
3										AC		
4												
5												
6												
7												
8												
9												
10												
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25												
26												
27												
28												
29												
30												
31												
NO.:	0	0	0	0	0	0	0	0	0	0	0	0
MAX:												
MEAN:												

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(88101) PM2.5 - Local Conditions

CAS NUMBER: 25.471944

(88101) PM2.5 - Local Conditions

SITE ID: 12-095-2002 POC: 3

COUNTY: (095) Orange
CITY: (78300) Winter Park

SITE ADDRESS: 466 Harper St, Winter Park, FL 32789

SITE COMMENTS: BETWEEN MORRIS BLVD.& FAIRBANKS AVE BETWEEN MORRIS BLVD.& FAIRBANKS AVE

MONITOR COMMENTS:

SUPPORT AGENCY: (1328) Florida Department of Environmental Protection (FDEP)

MONITOR TYPE: SLAMS

COLLECTION AND ANALYSIS METHOD: (238) Teledyne T640X at 16.67 LPM Broadb

PQAO: (1328) Florida Department of Environmental Protection (FDEP)

STATE: (12) Florida
AQCR: (048) CENTRAL FLORIDA

URBANIZED AREA: (5960) ORLANDO, FL

LAND USE: COMMERCIAL

LOCATION SETTING: URBAN AND CENTER CITY

REPORT FOR: OCTOBER 2023

CAS NUMBER:
LONGITUDE: 28.596389 -81.3625
UTM ZONE:

UTM NORTHING:

UTM EASTING:

ELEVATION-MSL: 27

PROBE HEIGHT: 5

DURATION: 1 HOUR

UNITS: Micrograms/cubic meter (LC)

MIN DETECTABLE: .1

DAY \ HOUR	0000	2000	2100	2200	2300	OBS	MAXIMUM
1						0	
			36.0	37.9	37.7	24	43.0
			17.2IF	15.2IF	14.6IF	23	95.8
			18.0	18.2	18.1	24	21.7
2		6.6				0	
3	NO.:					0	
4	MAX:	38.2IF				0	
5	AVG:	14.8				0	
6						0	
7						0	
8						0	
9						0	
10						0	
11						0	
12						0	
13						0	
14						0	
15						0	
16						0	
17						0	
18						0	
19						0	
20						0	
21						0	
22						0	
23						0	
24						0	
25						0	
26						0	
27						0	
28						0	
29							
30							
31							
			3	3	3		
			36.0	37.9	37.7		
			23.73	23.77	23.47		

(88101) PM2.5 - Local Conditions

CAS NUMBER: 28.596389

3	39.8	6.6	6.3	6.3	6.8	7.3	7.5	6.8	8.2	12.7	19.1	22.3	28.2	32.6	31.8	43.0	42.7	41.1	42.1	41.7
38.2	15.1IF	35.2IF	36.1IF	43.4IF	47.0IF	48.6IF	49.3IF	46.2IF	50.8IF	77.6IF	AX	95.8IF	50.2IF	26.2IF	18.3IF	14.5IF	14.3IF	12.1IF	10.9IF	11.8IF
19.87	17.8	17.4	19.9	21.2	21.7	21.3	19.8	18.7	18.3	21.1	14.2	12.6	15.4	17.4	17.3	13.8	13.8	13.7	15.9	16.7

3	3	3	3	3	3	3	3	3	3	3	2	3	3	3	3	3	3	3	3	3
39.8	35.2	36.1	43.4	47.0	48.6	49.3	46.2	50.8	77.6	19.1	95.8	50.2	32.6	31.8	43.0	42.7	41.1	42.1	41.7
24.23	19.73	20.77	23.63	25.17	25.73	25.53	23.90	25.77	37.13	16.65	43.57	31.27	25.40	22.47	23.77	23.60	22.30	22.97	23.40

MONTHLY OBSERVATIONS: 71 MONTHLY MEAN: 25.03 MONTHLY MAX: 95.8

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(88101) PM2.5 - Local Conditions

CAS NUMBER:

SITE ID:12-099-0008 POC:3

STATE: (12) Florida

AQCR: (050) SOUTHEAST FLORIDA

LONGITUDE: 26.724786003 -80.666446785

UTM ZONE:

COUNTY: (099) Palm Beach
CITY: (05200) Belle Glade

SITE ADDRESS: 38754 STATE RD 80, BELLE GLADE

URBANIZED AREA:(8960) WEST PALM BEACH-BOCA RATON-DELRAY

UTM NORTHING:

SITE COMMENTS:

LAND USE: INDUSTRIAL

UTM EASTING:

MONITOR COMMENTS:

LOCATION SETTING: RURAL

ELEVATION-MSL: 20

PROBE HEIGHT:

SUPPORT AGENCY: (1328) Florida Department of Environmental Protection (FDEP)

MONITOR TYPE: SLAMS

REPORT FOR: OCTOBER 2023

DURATION: 1 HOUR

COLLECTION AND ANALYSIS METHOD: (236) Teledyne T640 at 5.0 LPM Broadband

UNITS: Micrograms/cubic meter (LC)

PQAO: (1328) Florida Department of Environmental Protection (FDEP)

MIN DETECTABLE: .1

DAY \ HOUR	0000	2000	2100	2200	2300	OBS	MAXIMUM
1						0	
			35.0	29.9	26.5	24	35.0
			14.0IF	13.4IF	13.0IF	24	98.5
			7.9	7.1	7.3	24	12.1
2		7.1				0	
3	NO.:					0	
4	MAX:	25.7IF				0	
5	AVG:	12.1				0	
6						0	
7						0	
8						0	
9						0	
10						0	
11						0	
12						0	
13						0	
14						0	
15						0	
16						0	
17						0	
18						0	
19						0	
20						0	
21						0	
22						0	
23						0	
24						0	
25						0	
26						0	
27						0	
28						0	
29						0	
30						0	
31						0	
			3	3	3		
			35.0	29.9	26.5		
			18.97	16.80	15.60		

(88101) PM2.5 - Local Conditions

CAS NUMBER:

26.724786003

3	33.2	5.5	3.6	4.2	3.1	3.9	4.7	4.3	4.3	5.0	7.1	9.5	8.7	9.9	11.6	17.2	22.8	22.2	23.9	26.9
25.7	14.3IF	23.3IF	17.1IF	18.4IF	28.8IF	34.9IF	72.9IF	85.3IF	87.7IF	98.5IF	75.9IF	75.8IF	68.8IF	67.7IF	50.0IF	46.8IF	47.1IF	43.6IF	24.5IF	15.1IF
14.97	7.0	9.1	8.6	8.7	7.8	7.2	6.3	5.0	4.8	4.7	7.2	8.5	5.6	5.2	7.6	6.1	8.2	11.8	8.9	8.1

3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
33.2	23.3	17.1	18.4	28.8	34.9	72.9	85.3	87.7	98.5	75.9	75.8	68.8	67.7	50.0	46.8	47.1	43.6	24.5	26.9
18.17	12.63	9.77	10.43	13.23	15.33	27.97	31.53	32.27	36.07	30.07	31.27	27.70	27.60	23.07	23.37	26.03	25.87	19.10	16.70

MONTHLY OBSERVATIONS: 72 MONTHLY MEAN: 21.85 MONTHLY MAX: 98.5

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(88101) PM2.5 - Local Conditions

SITE ID: 12-099-0022 POC: 3

COUNTY: (099) Palm Beach
CITY: (00000) Not in a city

SITE ADDRESS: 151 Lamstein Lane, Royal Palm Beach, FL 33411

SITE COMMENTS: Site is the replacement site for the Royal Palm site (12-099-0009)

MONITOR COMMENTS:

SUPPORT AGENCY: () Not Found

MONITOR TYPE: SLAMS

COLLECTION AND ANALYSIS METHOD: (236) Teledyne T640 at 5.0 LPM Broadband

PQAO: (1328) Florida Department of Environmental Protection (FDEP)

STATE: (12) Florida
AQCR: (050) SOUTHEAST FLORIDA

URBANIZED AREA: (8960) WEST PALM BEACH-BOCA RATON-DELRAY

LAND USE: RESIDENTIAL

LOCATION SETTING: SUBURBAN

REPORT FOR: OCTOBER 2023

CAS NUMBER:
LONGITUDE: 26.687606 -80.219619
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 4.78
PROBE HEIGHT: 6.5

DURATION: 1 HOUR

UNITS: Micrograms/cubic meter (LC)

MIN DETECTABLE: .1

DAY \ HOUR	0000	2000	2100	2200	2300	OBS	MAXIMUM
1						0	
			37.7	33.8	36.0	24	38.3
			16.0IF	15.6IF	14.5IF	24	89.2
			4.6	4.5	4.6	24	13.5
2		3.3				0	
3	NO.:					0	
4	MAX:	35.0IF				0	
5	AVG:	13.5				0	
6						0	
7						0	
8						0	
9						0	
10						0	
11						0	
12						0	
13						0	
14						0	
15						0	
16						0	
17						0	
18						0	
19						0	
20						0	
21						0	
22						0	
23						0	
24						0	
25						0	
26						0	
27						0	
28						0	
29						0	
30						0	
31						0	
			3	3	3		
			37.7	33.8	36.0		
			19.43	17.97	18.37		

3

35.0 38.3 3.4 3.1 2.8 3.5 4.9 4.7 5.4 5.8 8.7 10.0 10.1 10.8 12.9 20.7 25.5 24.8 23.9 33.7 37.1
17.27 17.1IF 27.2IF 15.8IF 34.9IF 46.6IF 68.0IF 89.2IF 86.7IF 74.8IF 64.0IF 63.1IF 57.1IF 57.8IF 58.0IF 53.2IF 48.1IF 46.7IF 26.5IF 19.4IF 17.1IF
4.8 11.8 10.4 7.7 4.9 4.6 5.4 6.0 5.5 5.0 4.3 4.5 4.5 4.6 4.5 4.6 4.5 4.7 4.8 4.7

(88101) PM2.5 - Local Conditions

CAS NUMBER: 26.687606

3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
38.3 27.2 15.8 34.9 46.6 68.0 89.2 86.7 74.8 64.0 63.1 57.1 57.8 58.0 53.2 48.1 46.7 26.5 33.7 37.1
20.07 14.13 9.77 15.13 18.33 25.83 33.10 32.70 28.70 25.90 25.80 23.90 24.37 25.50 26.13 26.07 25.33 18.37 19.30 19.63

MONTHLY OBSERVATIONS: 72 MONTHLY MEAN: 22.13 MONTHLY MAX: 89.2

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(88101) PM2.5 - Local Conditions

CAS NUMBER:

SITE ID:12-099-2005 POC:3

STATE: (12) Florida

AQCR: (050) SOUTHEAST FLORIDA

LONGITUDE: 26.4569444 -80.0927778

UTM ZONE:

COUNTY: (099) Palm Beach
CITY: (17100) Delray Beach

SITE ADDRESS: 225 SOUTH CONGRESS AVE DELRAY BEACH, FL

URBANIZED AREA:(8960) WEST PALM BEACH-BOCA RATON-DELRAY

UTM NORTHING:

SITE COMMENTS:

LAND USE: COMMERCIAL

UTM EASTING:

MONITOR COMMENTS:

LOCATION SETTING: URBAN AND CENTER CITY

ELEVATION-MSL: 0

PROBE HEIGHT: 6

SUPPORT AGENCY: (1328) Florida Department of Environmental Protection (FDEP)

MONITOR TYPE: SLAMS

REPORT FOR: OCTOBER 2023

DURATION: 1 HOUR

COLLECTION AND ANALYSIS METHOD: (238) Teledyne T640X at 16.67 LPM Broadb

UNITS: Micrograms/cubic meter (LC)

PQAO: (1328) Florida Department of Environmental Protection (FDEP)

MIN DETECTABLE: .1

HOUR DAY	0000	2000	2100	2200	2300	OBS	MAXIMUM
1						0	
			36.2	36.4	32.2	24	36.4
			13.9IF	11.3IF	8.8IF	24	65.4
			5.2	4.8	5.1	24	8.6
2		3.4				0	
3	NO.:					0	
4	MAX:	32.9IF				0	
5	AVG:	7.6				0	
6						0	
7						0	
8						0	
9						0	
10						0	
11						0	
12						0	
13						0	
14						0	
15						0	
16						0	
17						0	
18						0	
19						0	
20						0	
21						0	
22						0	
23						0	
24						0	
25						0	
26						0	
27						0	
28						0	
29						0	
30						0	
31						0	
			3	3	3		
			36.2	36.4	32.2		
			18.43	17.50	15.37		

(88101) PM2.5 - Local Conditions

CAS NUMBER:

26.4569444

3	33.9	3.6	3.7	3.4	5.7	6.9	6.0	7.7	8.4	10.7	11.7	11.8	11.5	15.1	19.0	21.8	25.4	22.6	24.6	30.1
32.9	15.0IF	30.7IF	18.8IF	19.4IF	28.9IF	52.1IF	65.4IF	63.1IF	60.8IF	60.0IF	57.7IF	56.6IF	58.3IF	59.0IF	64.0IF	58.8IF	56.2IF	39.1IF	21.2IF	16.9IF
14.63	5.1	7.2	6.3	5.7	5.9	8.1	8.6	6.7	5.7	5.7	5.2	5.5	5.1	4.8	4.7	4.7	4.7	5.3	5.1	4.5

3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
33.9	30.7	18.8	19.4	28.9	52.1	65.4	63.1	60.8	60.0	57.7	56.6	58.3	59.0	64.0	58.8	56.2	39.1	24.6	30.1
18.00	13.83	9.60	9.50	13.50	22.37	26.67	25.83	24.97	25.47	24.87	24.63	24.97	26.30	29.23	28.43	28.77	22.33	16.97	17.17

MONTHLY OBSERVATIONS: 72 MONTHLY MEAN: 20.81 MONTHLY MAX: 65.4

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(88101) PM2.5 - Local Conditions

SITE ID: 12-103-0004 POC: 3

COUNTY: (103) Pinellas
CITY: (12875) Clearwater

SITE ADDRESS: 2435 SHARKEY RD.CLEARWATER

SITE COMMENTS: N. E. PORTION OF SPTC CLEARWATER CAMPUS OZONE & NO2

MONITOR COMMENTS:

SUPPORT AGENCY: (1328) Florida Department of Environmental Protection (FDEP)

MONITOR TYPE: SLAMS

COLLECTION AND ANALYSIS METHOD: (636) Teledyne T640 at 5.0 LPM w/Network

PQAO: (1328) Florida Department of Environmental Protection (FDEP)

STATE: (12) Florida
AQCR: (052) WEST CENTRAL FLORIDA

URBANIZED AREA: (8280) TAMPA-ST. PETERSBURG-CLEARWATER,

LAND USE: COMMERCIAL

LOCATION SETTING: SUBURBAN

REPORT FOR: OCTOBER 2023

CAS NUMBER:
LONGITUDE: 27.946687816 -82.731766912
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 12
PROBE HEIGHT: 3.9

DURATION: 1 HOUR

UNITS: Micrograms/cubic meter (LC)

MIN DETECTABLE: .1

DAY \ HOUR	0000	2000	2100	2200	2300	OBS	MAXIMUM
1						0	
			37.6	36.2	35.1	24	39.5
			12.9IF	11.3IF	10.2IF	24	65.7
			10.0	11.4	14.8	24	27.2
2		5.1				0	
3	NO.:					0	
4	MAX:	35.1IF				0	
5	AVG:	10.3				0	
6						0	
7						0	
8						0	
9						0	
10						0	
11						0	
12						0	
13						0	
14						0	
15						0	
16						0	
17						0	
18						0	
19						0	
20						0	
21						0	
22						0	
23						0	
24						0	
25						0	
26						0	
27						0	
28						0	
29						0	
30						0	
31						0	
			3	3	3		
			37.6	36.2	35.1		
			20.17	19.63	20.03		

(88101) PM2.5 - Local Conditions

CAS NUMBER: 27.946687816

3	39.5	5.0	4.6	4.7	4.8	4.8	5.3	6.4	6.6	6.1	5.7	5.6	7.6	8.7	12.3	14.9	19.0	22.3	26.7	35.5
35.1	15.6IF	33.6IF	32.4IF	31.8IF	31.0IF	29.4IF	28.7IF	31.1IF	36.6IF	37.6IF	38.0IF	45.0IF	54.6IF	57.4IF	62.1IF	65.7IF	59.3IF	37.6IF	22.2IF	16.4IF
16.83	10.7	12.9	20.7	26.4	27.2	26.4	26.0	24.4	20.5	16.2	14.0	12.6	11.0	10.1	10.8	11.5	10.1	11.2	13.2	12.4

3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
39.5	33.6	32.4	31.8	31.0	29.4	28.7	31.1	36.6	37.6	38.0	45.0	54.6	57.4	62.1	65.7	59.3	37.6	26.7	35.5	
21.93	17.17	19.23	20.97	21.00	20.20	20.00	20.63	21.23	19.97	19.23	21.07	24.40	25.40	28.40	30.70	29.47	23.70	20.70	21.43	

MONTHLY OBSERVATIONS: 72 MONTHLY MEAN: 21.81 MONTHLY MAX: 65.7

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(88101) PM2.5 - Local Conditions

SITE ID:12-103-0018 POC:3

COUNTY: (103) Pinellas

CITY: (63000) Saint Petersburg
SITE ADDRESS: 7200-22 Avenue N., St. Petersburg, FL 33710

SITE COMMENTS:

MONITOR COMMENTS:

SUPPORT AGENCY: (1328) Florida Department of Environmental Protection (FDEP)

MONITOR TYPE: SLAMS

COLLECTION AND ANALYSIS METHOD: (638) Teledyne T640X at 16.67 LPM w/Netw

PQAO: (1328) Florida Department of Environmental Protection (FDEP)

STATE: (12) Florida
AQCR: (052) WEST CENTRAL FLORIDA

URBANIZED AREA:(8280) TAMPA-ST. PETERSBURG-CLEARWATER,

LAND USE: RESIDENTIAL
LOCATION SETTING: SUBURBAN

REPORT FOR: OCTOBER 2023

CAS NUMBER:
LONGITUDE: 27.7858655504 -82.739875362
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 5
PROBE HEIGHT: 4.97

DURATION: 1 HOUR

UNITS: Micrograms/cubic meter (LC)

MIN DETECTABLE: .1

DAY	HOUR 0000	2000	2100	2200	2300	OBS	MAXIMUM
1						0	
			42.1	42.6	38.5	23	42.6
			12.7IF	11.3IF	11.6IF	24	75.7
			11.4	13.2	14.4	24	27.2
2		5.5				0	
3	NO.:					0	
4	MAX:	37.3IF				0	
5	AVG:	11.0				0	
6						0	
7						0	
8						0	
9						0	
10						0	
11						0	
12						0	
13						0	
14						0	
15						0	
16						0	
17						0	
18						0	
19						0	
20						0	
21						0	
22						0	
23						0	
24						0	
25						0	
26						0	
27						0	
28						0	
29						0	
30						0	
31						0	
			3	3	3		
			42.1	42.6	38.5		
			22.07	22.37	21.50		

3	41.5	5.6	5.5	5.4	5.2	5.5	5.8	6.2	6.7	6.8	6.9	6.6	7.4	9.8	13.2	15.7	19.6	24.3	27.5	33.2
37.3	15.9IF	36.9IF	36.2IF	36.6IF	34.5IF	37.0IF	37.7IF	41.3IF	43.0IF	45.8IF	48.9IF	53.4IF	63.8IF	64.7IF	64.9IF	75.7IF	71.7IF	43.2IF	28.0IF	17.8IF
17.93	10.9	12.5	14.2	19.1	25.7	26.8	27.2	26.2	21.0	16.9	14.7	13.4	11.3	9.8	10.3	11.2	10.8	9.5	10.5	11.1

(88101) PM2.5 - Local Conditions

CAS NUMBER: 27.7858655504

3	3	3	3	3	3	3	3	3	3	3	3	3	2	3	3	3	3	3	3	3
41.5	36.9	36.2	36.6	34.5	37.0	37.7	41.3	43.0	45.8	48.9	53.4	63.8	64.7	64.9	75.7	71.7	43.2	28.0	33.2	
22.77	18.33	18.63	20.37	21.80	23.10	23.57	24.57	23.57	23.17	23.50	24.47	27.50	37.25	29.47	34.20	34.03	25.67	22.00	20.70	

MONTHLY OBSERVATIONS: 71 MONTHLY MEAN: 24.09 MONTHLY MAX: 75.7

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(88101) PM2.5 - Local Conditions

CAS NUMBER:

SITE ID:12-105-6006 POC:3

STATE: (12) Florida

LONGITUDE: 28.028889 -81.972222

AQCR: (052) WEST CENTRAL FLORIDA

UTM ZONE:

COUNTY: (105) Polk
CITY: (38250) Lakeland

SITE ADDRESS: 1015 SIKES BLVD., LAKELAND

URBANIZED AREA:(3979) LAKELAND, FL

UTM NORTHING:

SITE COMMENTS:

LAND USE: RESIDENTIAL

UTM EASTING:

LOCATION SETTING:

ELEVATION-MSL:

MONITOR COMMENTS:

SUBURBAN

PROBE HEIGHT: 0 5.35

SUPPORT AGENCY: (1328) Florida Department of Environmental Protection (FDEP)

MONITOR TYPE: SLAMS

REPORT FOR: OCTOBER 2023

DURATION: 1 HOUR

COLLECTION AND ANALYSIS METHOD: (636) Teledyne T640 at 5.0 LPM w/Network

UNITS: Micrograms/cubic meter (LC)

PQAO: (1328) Florida Department of Environmental Protection (FDEP)

MIN DETECTABLE: .1

HOUR

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM
1																									0	
2	6.5	6.8	6.4	6.5	6.7	6.3	6.6	6.9	7.2	7.1	8.4	AX	AT	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	11	8.4
3	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	0	
4	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	0	
5																									0	
6																									0	
7																									0	
8																									0	
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25																									0	
26																									0	
27																									0	
28																									0	
29																									0	
30																									0	
31																									0	
NO.:	1	1	1	1	1	1	1	1	1	1	1															
MAX:	6.5	6.8	6.4	6.5	6.7	6.3	6.6	6.9	7.2	7.1	8.4															

AVG:	6.50	6.80	6.40	6.50	6.70	6.30	6.60	6.90	7.20	7.10	8.40

MONTHLY OBSERVATIONS: 11 MONTHLY MEAN: 6.85 MONTHLY MAX: 8.4

(88101) PM2.5 - Local Conditions

CAS NUMBER: 28.028889

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(88101) PM2.5 - Local Conditions

CAS NUMBER:

SITE ID:12-115-0013 POC:3

STATE: (12) Florida
AQCR: (051) SOUTHWEST FLORIDA

LONGITUDE: 27.290556 -82.507222
UTM ZONE:

COUNTY: (115) Sarasota

CITY: (60475) Ridge Wood Heights
SITE ADDRESS: 4430 S. Lockwood Ridge Rd., Sarasota, FL 34231

URBANIZED AREA:(7511) SARASOTA-BRADENTON, FL

UTM NORTHING:

SITE COMMENTS: REPLACES SITE 10 4100 002

LAND USE: RESIDENTIAL

UTM EASTING:

MONITOR COMMENTS:

LOCATION SETTING: URBAN AND CENTER CITY

ELEVATION-MSL: 8

PROBE HEIGHT: 5.06

SUPPORT AGENCY: (1328) Florida Department of Environmental Protection (FDEP)

MONITOR TYPE: SLAMS (636) Teledyne T640 at 5.0 LPM w/Network

REPORT FOR: OCTOBER 2023

DURATION: 1 HOUR

COLLECTION AND ANALYSIS METHOD:

UNITS: Micrograms/cubic meter (LC)

PQAO: (1328) Florida Department of Environmental Protection (FDEP)

MIN DETECTABLE: .1

HOUR

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM
1																									0	
2	5.5 2	6.5 2	6.3 2	6.1 2	6.0 2	6.2 2	6.2 2	5.8 2	5.8 2	7.0 2	5.8 2	6.0 2	6.6 2	7.3 2	8.6 2	10.6 2	19.4 2	26.7 2	29.9 2	33.1 2	40.0IF	45.2IF	45.4IF	44.0IF	24	45.4
3	43.2IF	41.0IF	38.4IF	37.5IF	37.0IF	36.6IF	38.2IF	40.3IF	50.9IF	65.1IF	82.0IF	90.2IF	87.6IF	82.7IF	90.7IF	92.6IF	66.6IF	48.3IF	31.7IF	10.2IF	9.8IF	10.1IF	10.0IF	10.2IF	24	92.6
4	11.3 2	11.7 2	11.0 2	10.9 2	12.9 2	13.7 2	13.1 2	13.5 2	11.4 2	9.0 2	6.5 2	5.5 2	5.8 2	4.9 2	4.8 2	3.6 2	3.9 2	3.7 2	3.2 2	4.1 2	6.0 2	6.7 2	7.1 2	7.0 2	24	13.7
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NO.:	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3		
MAX:	43.2	41.0	38.4	37.5	37.0	36.6	38.2	40.3	50.9	65.1	82.0	90.2	87.6	82.7	90.7	92.6	66.6	48.3	31.7	33.1	40.0	45.2	45.4	44.0		
AVG:	20.00	19.73	18.57	18.17	18.63	18.83	19.17	19.87	22.70	27.03	31.43	33.90	33.33	31.63	34.70	35.60	29.97	26.23	21.60	15.80	18.60	20.67	20.83	20.40		

MONTHLY OBSERVATIONS: 72 MONTHLY MEAN: 24.06 MONTHLY MAX: 92.6

(88101) PM2.5 - Local Conditions

CAS NUMBER: 27.290556

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(88101) PM2.5 - Local Conditions

CAS NUMBER:

SITE ID:12-117-1002 POC:1

STATE: (12) Florida

LONGITUDE: 28.746111 -81.310556

AQCR: (048) CENTRAL FLORIDA

UTM ZONE:

COUNTY: (117) Seminole
CITY: (63650) Sanford

SITE ADDRESS: 284-300 Broadmoor Rd., Lake Mary, FL 32773

URBANIZED AREA:(5960) ORLANDO, FL

UTM NORTHING:

SITE COMMENTS: SITE LOCATED NEXT TO SEMINOLE COMMUNITY COLLEGE MOVED FROM PREVIOU S SITE WHICH W

LAND USE: RESIDENTIAL

UTM EASTING:

MONITOR COMMENTS:

LOCATION SETTING: SUBURBAN

ELEVATION-MSL: 18

PROBE HEIGHT: 3

SUPPORT AGENCY: (1328) Florida Department of Environmental Protection (FDEP)

MONITOR TYPE:SLAMS

REPORT FOR: 2023

DURATION:24 HOUR

COLLECTION AND ANALYSIS METHOD: (145) R & P Model 2025 PM-2.5 Sequential

UNITS: Micrograms/cubic meter (LC)

PQAO: (1328) Florida Department of Environmental Protection (FDEP)

MIN DETECTABLE: 2

MONTH

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1												
2												
3										32.5 IF		
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5												
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NO.:	0	0	0	0	0	0	0	0	0	1	0	0
MAX:										32.5		
MEAN:										32.50		

ANNUAL OBSERVATIONS: 1 ANNUAL MEAN: 32.50 ANNUAL MAX: 32.5

(88101) PM2.5 - Local Conditions

CAS NUMBER: 28.746111

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(88101) PM2.5 - Local Conditions

CAS NUMBER:

SITE ID:12-117-1002 POC:3

STATE: (12) Florida

LONGITUDE: 28.746111 -81.310556

AQCR: (048) CENTRAL FLORIDA

UTM ZONE:

COUNTY: (117) Seminole
CITY: (63650) Sanford

SITE ADDRESS: 284-300 Broadmoor Rd., Lake Mary, FL 32773

URBANIZED AREA:(5960) ORLANDO, FL

UTM NORTHING:

SITE COMMENTS: SITE LOCATED NEXT TO SEMINOLE COMMUNITY COLLEGE MOVED FROM PREVIOU S SITE WHICH W

LAND USE: RESIDENTIAL

UTM EASTING:

MONITOR COMMENTS:

LOCATION SETTING: SUBURBAN

ELEVATION-MSL: 18

PROBE HEIGHT: 5.5

SUPPORT AGENCY: (1328) Florida Department of Environmental Protection (FDEP)

MONITOR TYPE: SLAMS

REPORT FOR: OCTOBER 2023

DURATION: 1 HOUR

COLLECTION AND ANALYSIS METHOD: (636) Teledyne T640 at 5.0 LPM w/Network

UNITS: Micrograms/cubic meter (LC)

PQAO: (1328) Florida Department of Environmental Protection (FDEP)

MIN DETECTABLE: .1

HOUR

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM
1																									0	
2	6.5	6.6	6.5	7.1	7.2	7.2	6.6	6.1	7.5	15.6	20.3	25.3	31.9	33.2	36.1	46.0	40.5	40.5	43.6	42.7	39.7	39.5	41.3	42.6	24	46.0
3	41.1IF	36.1IF	41.2IF	46.9IF	51.2IF	53.4IF	52.4IF	49.9IF	63.4IF	87.4IF	101.8IF	79.2IF	40.0IF	22.6IF	17.8IF	15.5IF	13.1IF	10.5IF	10.9IF	12.7IF	13.4IF	14.4IF	14.2IF	15.6IF	24	101.8
4	18.5	20.8	23.3	23.9	23.5	22.4	23.8	20.0	21.7	22.8	16.5	15.9	18.2	20.3	20.6	13.9	13.5	13.8	16.8	18.4	19.7	20.2	20.5	19.7	24	23.9
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MAX:	41.1	36.1	41.2	46.9	51.2	53.4	52.4	49.9	63.4	87.4	101.8	79.2	40.0	33.2	36.1	46.0	40.5	40.5	43.6	42.7	39.7	39.5	41.3	42.6		
AVG:	22.03	21.17	23.67	25.97	27.30	27.67	27.60	25.33	30.87	41.93	46.20	40.13	30.03	25.37	24.83	25.13	22.37	21.60	23.77	24.60	24.27	24.70	25.33	25.97		

MONTHLY OBSERVATIONS: 72 MONTHLY MEAN: 27.41 MONTHLY MAX: 101.8

(88101) PM2.5 - Local Conditions

CAS NUMBER: 28.746111

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(88101) PM2.5 - Local Conditions

SITE ID: 12-127-5002 POC: 3

COUNTY: (127) Volusia
CITY: (16525) Daytona Beach

STATE: (12) Florida
AQCR: (048) CENTRAL FLORIDA
URBANIZED AREA: (2020) DAYTONA BEACH, FL

CAS NUMBER:
LATITUDE: 29.206667
LONGITUDE: -81.0525
UTM NORTHING:
UTM ZONE:
UTM EASTING:
ELEVATION-MSL: 0

SITE ADDRESS: 1185-A DUNN AVE., DAYTONA BEACH SITE COMMENTS:

LAND USE: COMMERCIAL
LOCATION SETTING: SUBURBAN

MONITOR COMMENTS:

SUPPORT AGENCY: (1328) Florida Department of Environmental Protection (FDEP)

MONITOR TYPE: SLAMS

REPORT FOR: OCTOBER 2023

DURATION: 1 HOUR

COLLECTION AND ANALYSIS METHOD: (638) Teledyne T640X at 16.67 LPM w/Netw

UNITS: Micrograms/cubic meter (LC)

PQAO: (1328) Florida Department of Environmental Protection (FDEP)

MIN DETECTABLE: .1

DAY	HOUR 0000	2000	2100	2200	2300	OBS	MAXIMUM
1						0	
			46.4	37.0	34.2	24	55.2
			19.5IF	24.5IF	25.9IF	24	96.6
			20.5	21.5	20.5	24	39.9
2	7.2	48.8				0	
3						0	
4	48.1IF	22.7IF				0	
5	28.8					0	
6		21.6				0	
7						0	
8						0	
9						0	
10						0	
11						0	
12						0	
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25						0	
26						0	
27						0	
28						0	
29						0	
30						0	
31						0	
NO.:			3	3	3		
MAX:	3		46.4	37.0	34.2		
AVG:	48.1		28.80	27.67	26.87		
	28.03	3					
		48.8					
		31.03					

MONTHLY OBSERVATIONS: 72 MONTHLY MEAN: 33.85 MONTHLY MAX: 96.6

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

QUALIFIER CODES:

Qualifier Code	Qualifier Description	Qualifier Type
2	Operational Deviation.	
AC	Construction/Repairs in Area.	QA NULL
AT	Calibration.	NULL
AX	Precision Check.	NULL
BA	Maintenance/Routine Repairs.	NULL
BJ	Operator Error.	NULL
EC	Exceeds Critical Criteria.	NULL
IF	Fire - Canadian.	INFORM
QX	Does not meet QC criteria.	QA
SX	Does Not Meet Siting Criteria.	QA

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional concurrence are shown in lower case.