

APPENDIX D

INITIAL NOTIFICATION AND DATA FLAGGING

**EXCEPTIONAL EVENTS DEMONSTATION FOR 2022, 2023 AND
2024 PM_{2.5} EXCEEDANCES AT JEFFERSON COUNTY**

AUGUST 5, 2025

**TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
P.O. BOX 13087
AUSTIN, TEXAS 78711-3087**

APPENDIX D: INITIAL NOTIFICATION AND DATA FLAGGING

A copy of the initial notification letter and addendum sent to EPA Region 6 is provided on the following pages.

Brooke T. Paup, *Chairwoman*
Bobby Janecka, *Commissioner*
Catarina R. Gonzales, *Commissioner*
Kelly Keel, *Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

July 8, 2025

Jeff Robinson
Branch Chief, Air Permitting, Monitoring, and Grants
U.S. Environmental Protection Agency - Region 6
1201 Elm Street, Suite 500 (MC 6ARP)
Dallas, TX 75270

Subject: Initial Notification of Potential Exceptional Events

Dear Mr. Robinson:

This letter serves as formal notification that the Texas Commission on Environmental Quality (TCEQ) will develop and submit a demonstration to exclude 2022, 2023, and 2024 particulate matter of 2.5 micrometers or less in aerodynamic diameter (PM_{2.5}) air monitoring data influenced by exceptional events pursuant to 40 CFR Parts 50 and 51. This demonstration will address the following exceptional events for PM_{2.5} (parameter 88101):

Date	Monitor	Type of Event	AQS Flag	Exceedance Concentration	Tier
January 17, 2022	482450021	Prescribed Fire	rm	18.7 µg/m ³	2
May 8, 2022	482450021	Fire - Mexico/Central America	rg	17.5 µg/m ³	2
June 12, 2022	482450021	African Dust	ra	32.2 µg/m ³	1
June 13, 2022	482450021	African Dust	ra	38.8 µg/m ³	1
June 14, 2022	482450021	African Dust	ra	28.7 µg/m ³	1
June 15, 2022	482450021	African Dust	ra	21.8 µg/m ³	2
June 16, 2022	482450021	African Dust	ra	23.7 µg/m ³	2
July 16, 2022	482450021	African Dust	ra	20.0 µg/m ³	2
July 17, 2022	482450021	African Dust	ra	27.7 µg/m ³	1
September 22, 2022	482450021	Prescribed Fire	rm	18.4 µg/m ³	2
September 23, 2022	482450021	Prescribed Fire	rm	18.6 µg/m ³	2
February 27, 2023	482450021	Fire - Mexico/Central America	rg	19.4 µg/m ³	2
February 28, 2023	482450021	Fire - Mexico/Central America	rg	18.7 µg/m ³	2
March 5, 2023	482450021	Prescribed Fire	rm	18.2 µg/m ³	2

Date	Monitor	Type of Event	AQS Flag	Exceedance Concentration	Tier
May 22, 2023	482450021	Fire - Canadian	rf	25.1 µg/m ³	1
May 23, 2023	482450021	Fire - Canadian	rf	24.2 µg/m ³	2
May 24, 2023	482450021	Fire - Canadian	rf	23.8 µg/m ³	2
May 26, 2023	482450021	Fire - Canadian	rf	27.2 µg/m ³	1
May 27, 2023	482450021	Fire - Canadian	rf	22.0 µg/m ³	2
June 19, 2023	482450021	Fire - Mexico/Central America	rg	17.6 µg/m ³	2
June 20, 2023	482450021	Fire - Mexico/Central America	rg	19.6 µg/m ³	2
July 15, 2023	482450021	African Dust	ra	22.4 µg/m ³	2
July 16, 2023	482450021	African Dust	ra	23.7 µg/m ³	2
July 17, 2023	482450021	African Dust	ra	19.5 µg/m ³	2
July 19, 2023	482450021	Prescribed Fire	rm	18.5 µg/m ³	2
July 26, 2023	482450021	African Dust	ra	18.4 µg/m ³	2
July 29, 2023	482450021	African Dust	ra	19.8 µg/m ³	2
August 2, 2023	482450021	Prescribed Fire	rm	22.8 µg/m ³	2
August 24, 2023	482450021	Wildfire - U.S.	rt	18.9 µg/m ³	2
August 25, 2023	482450021	Wildfire - U.S.	rt	18.5 µg/m ³	2
August 28, 2023	482450021	Wildfire - U.S.	rt	18.9 µg/m ³	2
August 31, 2023	482450021	Wildfire - U.S.	rt	23.8 µg/m ³	2
September 1, 2023	482450021	Wildfire - U.S.	rt	18.7 µg/m ³	2
September 2, 2023	482450021	Wildfire - U.S.	rt	20.9 µg/m ³	2
October 4, 2023	482450021	Wildfire - U.S.	rt	22.2 µg/m ³	2
October 20, 2023	482450021	Prescribed Fire	rm	18.0 µg/m ³	2
December 31, 2023	482450021	Fireworks	rh	31.0 µg/m ³	1
January 1, 2024	482450021	Fireworks	rh	21.4 µg/m ³	2
May 8, 2024	482450021	Fire - Mexico/Central America	rg	23.0 µg/m ³	2
May 9, 2024	482450021	Fire - Mexico/Central America	rg	38.0 µg/m ³	1
May 13, 2024	482450021	Fire - Mexico/Central America	rg	19.9 µg/m ³	2
May 15, 2024	482450021	Fire - Canadian	rf	24.7 µg/m ³	2
May 24, 2024	482450021	Fire - Mexico/Central America	rg	17.6 µg/m ³	2

Date	Monitor	Type of Event	AQS Flag	Exceedance Concentration	Tier
May 25, 2024	482450021	Fire - Mexico/Central America	rg	20.4 µg/m ³	2
July 1, 2024	482450021	African Dust	ra	17.7 µg/m ³	2
July 3, 2024	482450021	African Dust	ra	21.8 µg/m ³	2
July 6, 2024	482450021	Other - Weather	rl	19.4 µg/m ³	2
July 30, 2024	482450021	African Dust	ra	24.2 µg/m ³	2
July 31, 2024	482450021	African Dust	ra	32.4 µg/m ³	1
August 1, 2024	482450021	African Dust	ra	22.2 µg/m ³	2
August 6, 2024	482450021	Wildfire - U.S.	rt	20.8 µg/m ³	2
August 21, 2024	482450021	Wildfire - U.S.	rt	20.0 µg/m ³	2
August 22, 2024	482450021	Prescribed Fire	rm	17.7 µg/m ³	2
October 10, 2024	482450021	Wildfire - U.S.	rt	19.5 µg/m ³	2
October 15, 2024	482450021	Fire - Canadian	rf	19.0 µg/m ³	2
October 28, 2024	482450021	Prescribed Fire	rm	25.0 µg/m ³	2
October 29, 2024	482450021	Other - Dust	rl	30.7 µg/m ³	1
November 26, 2024	482450021	Prescribed Fire	rm	17.8 µg/m ³	2

The data requested for exclusion have regulatory significance and affect the regulatory determinations concerning Jefferson County. TCEQ looks forward to working with EPA Region 6 on the demonstration.

If you need any additional information, please contact Shantha Daniel at shantha.daniel@tceq.texas.gov.

Sincerely,



Walker Williamson for Donna F. Huff, Deputy Director
Air Quality Division

Cc: Joshua Madden, U.S. Environmental Protection Agency - Region 6

From: [Emily Saculla](#)
To: [Robinson, Jeffrey](#)
Cc: [Robledo, Tony](#); [Madden, Joshua](#); [Donna Huff](#); [Walker Williamson](#); [Shantha Daniel](#); [Zhaohua Fang](#); [Amber Ni](#); [Timothy Janke](#); [Sarah Cox](#)
Subject: Addendum to Initial Notification of a Potential Exceptional Event
Date: Tuesday, July 15, 2025 4:57:05 PM
Importance: High

Hi Jeff,

In the previous initial notification letter dated July 8, 2025, the Texas Commission on Environmental Quality notified EPA Region 6 of the intent to develop and submit a demonstration to exclude 2022, 2023, and 2024 particulate matter of 2.5 micrometers or less in aerodynamic diameter (PM_{2.5}) air monitoring data influenced by exceptional events pursuant to 40 CFR Parts 50 and 51. This addendum serves to revise the type of event and AQS flag for the World Trade Bridge monitor (484790313), the El Paso Chamizal monitor (481410044), and the Port Arthur Memorial School monitor (482450021) for the dates listed in the table below:

Date	Monitor	Event Type	Updated AQS flag	Concentration
May 12, 2023	484790313	Fire – Mexico/Central America	rg	38.7 µg/m ³
February 28, 2024	481410044	Wildfire – U.S.	rt	33.0 µg/m ³
May 15, 2024	482450021	Fire – Mexico/Central America	rg	24.7 µg/m ³
October 29, 2024	482450021	Prescribed Fire	rm	30.7 µg/m ³

If you need any additional information, please contact me at emily.saculla@tceq.texas.gov. Thanks!

Regards,

Emily Saculla

Air Modeling & Data Analysis Section
Office of Air, Air Quality Division
Texas Commission on Environmental Quality (TCEQ)