



Verification of Continued Attainment in Limited Maintenance Areas (2023)

Air Quality Program

Washington State Department of Ecology
Olympia, Washington

June 2023, Publication 23-02-044

Publication Information

This document is available on the Department of Ecology's website at:

<https://apps.ecology.wa.gov/publications/summarypages/2202044.html>

Related Information

2023 Ambient Air Monitoring Network Plan

[Publication 23-02-043: 2023 Ambient Air Monitoring Network Plan](#)¹

Contact Information

Air Quality Program

P.O. Box 47600

Olympia, WA 98504-7600

Phone: 360-407-6800

Website²: [Washington State Department of Ecology](#)

ADA Accessibility

The Department of Ecology is committed to providing people with disabilities access to information and services by meeting or exceeding the requirements of the Americans with Disabilities Act (ADA), Section 504 and 508 of the Rehabilitation Act, and Washington State Policy #188.

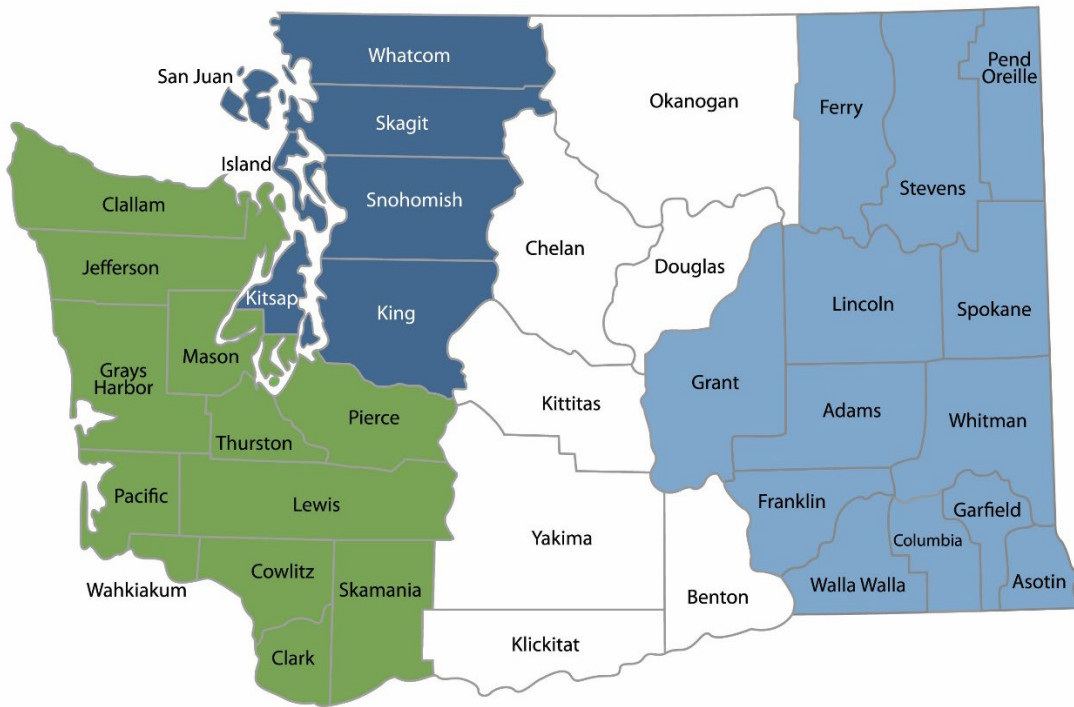
To request an ADA accommodation, contact Ecology by phone at 360-407-6800 or email at melanie.forster@ecy.wa.gov. For Washington Relay Service or TTY call 711 or 877-833-6341. Visit Ecology's website for more information.

¹ <https://fortress.wa.gov/ecy/publications/SummaryPages/2202043.html>

² www.ecology.wa.gov/contact

Department of Ecology's Regional Offices

Map of Counties Served



Southwest Region 360-407-6300	Northwest Region 206-594-0000	Central Region 509-575-2490	Eastern Region 509-329-3400
---	---	---------------------------------------	---------------------------------------

Region	Counties served	Mailing Address	Phone
Southwest	Clallam, Clark, Cowlitz, Grays Harbor, Jefferson, Mason, Lewis, Pacific, Pierce, Skamania, Thurston, Wahkiakum	P.O. Box 47775 Olympia, WA 98504	360-407-6300
Northwest	Island, King, Kitsap, San Juan, Skagit, Snohomish, Whatcom	P.O. Box 330316 Shoreline, WA 98133	206-594-0000
Central	Benton, Chelan, Douglas, Kittitas, Klickitat, Okanogan, Yakima	1250 West Alder Street Union Gap, WA 98903	509-575-2490
Eastern	Adams, Asotin, Columbia, Ferry, Franklin, Garfield, Grant, Lincoln, Pend Oreille, Spokane, Stevens, Walla Walla, Whitman	4601 North Monroe Spokane, WA 99205	509-329-3400
Headquarters	Statewide	P.O. Box 46700 Olympia, WA 98504	360-407-6000

Verification of Continued Attainment in Limited Maintenance Areas (2023)

Air Quality Program
Washington State Department of Ecology
Olympia, WA

June 2023 | Publication 23-02-044



DEPARTMENT OF
ECOLOGY
State of Washington

Table of Contents

- List of Tables 6**
 - Tables 6
- Executive Summary 7**
- Maintenance Areas 7**
 - Spokane County PM₁₀ Maintenance Area 8
 - Spokane County CO Maintenance Area..... 9
 - Wallula PM₁₀ Maintenance Area 10
- Appendix A. Maintenance Plan and Flagging Correspondence..... 11**

List of Tables

Tables

Table 1. Current Washington maintenance areas and methods of demonstrating NAAQS attainment	7
Table 2. Spokane County Maintenance Area LMP Design Values	9
Table 3. Spokane County Maintenance Area NAAQS Design Values	9
Table 4. Spokane CO maintenance area total emissions (tons per year).....	10

Executive Summary

This document summarizes the calculations for verification of continued attainment of National Ambient Air Quality Standards (NAAQS) in Washington’s Limited Maintenance Areas.

Maintenance Areas

Washington has five maintenance areas for criteria pollutants as of July 1, 2023. Only those areas that qualified for the Limited Maintenance Plan approach must submit verification documentation. These maintenance areas are marked with an (*). Maintenance areas demonstrate continued attainment of the NAAQS either through monitoring or through EPA-approved alternate methods. These methods are summarized in Table 1.

Table 1. Current Washington maintenance areas and methods of demonstrating NAAQS attainment

Maintenance Area (Pollutant)	End of Maintenance Period	NAAQS Attainment Method
Wallula (PM ₁₀)	9/26/2025	Burbank-Maple St PM ₁₀ monitor (530710006)
Spokane (PM ₁₀)*	8/30/2025	Spokane-Augusta PM ₁₀ monitor (530630021) until March 2021; Spokane-E Broadway Ave PM ₁₀ monitor (530630017) as of April 1, 2021
Yakima (PM ₁₀)	3/10/2025	Yakima-4 th Ave S PM ₁₀ monitor (530770009)
Tacoma (PM _{2.5})	3/12/2035	Tacoma-L St PM _{2.5} monitor (530530029)
Spokane (CO)*	8/30/2025	Modeled onroad, nonroad and residential wood combustion CO emissions

* indicates Limited Maintenance Areas where submission of verification documentation is required.

Spokane County PM₁₀ Maintenance Area

The design values for the Spokane County Maintenance Area are based on FEM PM₁₀ monitoring data from the Spokane-Augusta (530630021) and Spokane-Broadway (530630017) monitoring sites in Spokane, Washington. Spokane-Broadway became the designated PM₁₀ monitor for the Spokane County PM₁₀ maintenance area on April 1, 2021. The PM₁₀ data from the Spokane-Augusta and Spokane-Broadway sites were combined for the purpose of National Ambient Air Quality Standard (NAAQS) compliance and limited maintenance plan (LMP) eligibility in this document.

In 2018, 2020, 2021, and 2023, the western United States and Canada experienced severe wildfire seasons, resulting in significant wildfire smoke impacts that caused:

- Eight PM₁₀ exceedances on August 19 and 20, 2018; and September 12, 13, 14, 15, 16, and 18, 2020. The exceedances affect the LMP design value and the NAAQS design value.
- Nine elevated PM₁₀ concentrations: August 14, 15, and 23, 2018; September 17, 2020; August 2, 12, and 13, 2021; and September 12 and 13, 2023. These concentrations are eligible for exclusion from LMP design value calculations following the guidance in the EPA memorandum “Additional Methods, Determinations, and Analyses to Modify Air Quality Data Beyond Exceptional Events.”³
- Two elevated PM₁₀ concentrations, August 13 and 16, 2018, were initially flagged but are not eligible for exclusion.

Ecology placed informational flags (“i-flags”) in EPA’s Air Quality System (AQS) database on all hourly PM₁₀ concentrations on the days listed above. Documentation supporting the exclusion of these values as exceptional events is provided in the “Consolidated 2018 Request for Exceptional Event Informational Flagging Memo” in the Appendix of Verification of Continued Attainment in Limited Maintenance Areas (2019), available from Ecology’s website at <https://fortress.wa.gov/ecy/publications/SummaryPages/1902015.html>; in the Ecology memorandum “2020 Informational Flagging Request for Wildfire-Affected PM_{2.5}, Wildfire- and High Wind-Affected PM₁₀”; and the Spokane Regional Clean Air Agency flagging memos dated February 2, 2022, and February 10, 2023, included in the Appendix of this document.

The LMP 5-year design value and NAAQS 3-year design value are shown with and without the Ecology i-flagged elevated PM₁₀ days.

LMP Design Value

A 5-year PM₁₀ design value below 98 µg/m³ demonstrates that the Spokane County Maintenance Area continues to qualify for the LMP approach. With the wildfire smoke

³ *Additional Methods, Determinations, and Analyses to Modify Air Quality Data Beyond Exceptional Events* [Memorandum]. Research Triangle Park, NC: Environmental Protection Agency. Retrieved from https://www.epa.gov/sites/production/files/2019-04/documents/clarification_memo_on_data_modification_methods.pdf.

exceedances and high concentration data removed, Spokane’s design value is eligible for the LMP option.

Table 2. Spokane County Maintenance Area LMP Design Values

	2018-2022 LMP Design Value (DV)
DV with i-flagged data	212 µg/m ³
DV without i-flagged data	92 µg/m ³

NAAQS Design Value

A 3-year PM₁₀ design value at or below 1.0 expected exceedances demonstrates compliance with the PM₁₀ NAAQS. The design value is the expected number of annual 24-hour exceedances of 150 µg/m³, averaged over 3 years. The NAAQS design value is shown with and without the eight Ecology i-flagged PM₁₀ exceedances.

Table 3. Spokane County Maintenance Area NAAQS Design Values

	2020-2022 NAAQS Design Value (DV)
DV with i-flagged data	2.0 expected exceedances
DV without i-flagged data	0.0 expected exceedances

The 2020 wildfire smoke impacts generated at total of six PM₁₀ exceedances. There were no PM₁₀ exceedances associated with wildfire smoke events in 2021 or 2022. The Spokane County PM₁₀ contingency measures in the LMP are for road dust, windblown dust, and solid fuel burning devices. The contingency measures do not address wildfire air quality impacts; therefore they have not been implemented.

Spokane County CO Maintenance Area

EPA approved an alternate method of verification of attainment of the CO NAAQS and qualification for the limited maintenance plan option under 40 CFR 58.14(C) (Federal Register # 81 FR 45417; July 14, 2016). Under this alternative, EPA considers the limited maintenance plan criteria met and continued verification of attainment of the CO NAAQS if the total of the three predominant CO emission source categories calculated as part of the triennial emissions inventory (onroad mobile, nonroad, and residential wood combustion) remain below the corresponding total of the 2002 emission inventory source categories approved at the time the Spokane-area was redesignated to attainment. SRCAA and Ecology will compare future year 2017, 2020 and 2023 triennial emission analysis results to the baseline 2002.

Verification of Attainment

Total emissions for the 2020 evaluation year were compared to the 2002 attainment year emissions. The 2020 evaluation year was lower than the attainment year; therefore, the Spokane CO maintenance area continues to qualify for the limited maintenance plan option and

continued verification of attainment of the CO NAAQS. SRCAA and Ecology’s final analysis will be with the 2023 triennial emissions inventory.

Table 4. Spokane CO maintenance area total emissions (tons per year)

	Onroad	Nonroad	Residential Wood Combustion	Total
2002	48,878	23,795	7,199	80,872
2017	18,678	12,586	8,260	39,524
2020	23,123	14,554	9,030	46,708

Wallula PM₁₀ Maintenance Area

The Wallula Maintenance Plan is not a Limited Maintenance Plan. Ecology submitted the Second Ten-Year Maintenance Plan for Particulate Matter (PM₁₀) for Wallula to EPA November 22, 2019, which was approved on June 1, 2020. Continued attainment of the PM₁₀ standard is demonstrated by the Burbank-Maple Street monitor as of January 2018. Please see the 2023 Ambient Air Monitoring Network Plan for the Wallula Maintenance Area compliance status.

Appendix A. Maintenance Plan and Flagging Correspondence



Date: February 10, 2023
To: Jill Schulte, Beth Friedman, Sean Lundblad
CC: Cooper Garbe, Caitlin Cannon, Scott Windsor, Mark Rowe
From: Margee Chambers *Margee Chambers*
Subject: Spokane County PM₁₀ and CO Design Values for Air Monitoring Network Report

PM₁₀ Design Values

Included in this memo are the 5-year and 3-year design values for the PM₁₀ Spokane County Maintenance Area, in Spokane, Washington. The design values are based on FRM and FEM 24-hour PM₁₀ monitoring data from the Augusta Avenue site (530630021) and the Broadway Avenue site (530630017), which became the regulatory site, replacing the August site, in Spokane, Washington. The PM₁₀ data for Augusta and Broadway will be merged and treated as a single site for the purpose of National Ambient Air Quality Standard (NAAQS) compliance and limited maintenance plan (LMP) eligibility.

The western United States has been experiencing severe wildfire seasons, resulting in significant wildfire smoke impacts.

- Eight PM₁₀ exceedances on: August 19 and 20, 2018; September 12, 13, 14, 15, 16, and 18, 2020. The exceedances affect the LMP design value and the NAAQS design value.
- Nine PM₁₀ elevated concentrations: August 14, 15, and 23, 2018; September 17, 2020; August 2, 12, and 13, 2021, and September 12 and 13, 2023 that are eligible for exclusion because they have regulatory significance for the area to meet the LMP design value.
- Note for tracking purposes: Spokane Clean Air had asked Ecology to i-flag two PM₁₀ elevated concentrations days, August 13 and 16, 2018. We discovered that the concentration levels were not eligible for exclusion, therefore not excluded in the DV calculations.

LMP Critical Design Value:

A 5-year PM₁₀ critical design value below 98 µg/m³ demonstrates that the Spokane County Maintenance Area continues to qualify for the LMP approach. The LMP critical design value is shown with and without the eight Ecology i-flagged PM₁₀ exceedance data and nine PM₁₀ high concentration data from 2018-2022. With the wildfire smoke exceedances and high concentration data removed, Spokane's design value is eligible for the LMP option.

	2018-2022 LMP Design Value (DV)
DV with i-flagged data	212 $\mu\text{g}/\text{m}^3$
DV without i-flagged data	92 $\mu\text{g}/\text{m}^3$

NAAQS Design Value:

A 3-year PM_{10} design value at or below 1.0 demonstrates compliance with the PM_{10} NAAQS. The design value is the number of 24-hour exceedances of 150 $\mu\text{g}/\text{m}^3$, averaged over three years. The NAAQS design value is shown with and without the six Ecology i-flagged PM_{10} exceedance data from 2020-2022. With the wildfire smoke exceedance days removed, Spokane's design value is in-compliance.

	2020-2022 NAAQS Design Value (DV)
DV with i-flagged data	2.0
DV without i-flagged data	0.0

Please note that the 2020 wildfire smoke impacts generated a total of six PM_{10} exceedances. The 2021 and 2022 wildfire smoke impacts did not have PM_{10} exceedances. The Spokane County PM_{10} LMP contingency measures in the LMP are for road dust, windblown dust, and solid fuel burning devices. The contingency measures do not address wildfire air quality impacts; therefore, they have not been implemented.

CO Design Value

EPA approved an alternate method of verification of attainment of the CO NAAQS and qualification for the limited maintenance plan option under 40 CFR 58.14(C) (Federal Register # 81 FR 45417; July 14, 2016). Under this alternative, EPA considers the limited maintenance plan criteria met and continued verification of attainment of the CO NAAQS if the total of the three predominate CO emission source categories calculated as part of the triennial emissions inventory (onroad mobile, nonroad, and residential wood combustion) remain below the corresponding total of the 2002 emission inventory source categories approved at the time the Spokane-area was redesignated to attainment. SRCAA and Ecology will compare future year 2017, 2020 and 2023 triennial emission analysis results to the baseline 2002.

Verification of Attainment:

Total emissions for the 2020 evaluation year were compared to the 2002 attainment year emissions. The 2020 evaluation year was lower than the attainment year; therefore, the Spokane CO maintenance area continues to qualify for the limited maintenance plan option and continued verification of attainment of the CO NAAQS. SRCAA and Ecology’s final analysis will be with the 2023 triennial emissions inventory.

Spokane County CO Emissions in Tons per Year

Year	Onroad	Nonroad	Residential Wood Combustion	Total
2002	49,878 tons/yr	23,795 tons/yr	7,199 tons/yr	80,872 tons/yr
2017	18,678 tons/yr	12,586 tons/yr	8,260 tons/yr	39,524 tons/yr
2020	23,124 tons/yr	14,554 tons/yr	9,030 tons/yr	46,708 tons/yr



Date: February 10, 2023
To: Caitlin Cannon, Jill Schulte, Beth Friedman
From: Margee Chambers *Margee Chambers*
CC: Ecology: Cooper Garbe
Spokane Clean Air: Scott Windsor, Mark Rowe
Re: Request for Exceptional Event Informational Flagging for:
PM_{2.5} exceedances, September 9 – 13, 2022 & October 19, 2022 (6 days)
PM₁₀ elevated concentrations, September 12 – 13, 2022 (2 days)

The U.S. Environmental Protection Agency's (EPA) Exceptional Event Rule (EER) provides a process for excluding qualifying exceedances from calculations when determining compliance with National Ambient Air Quality Standards (NAAQS). The first step in the process is informational flagging of the data in the monitoring record and entering an event description.

The 2022 wildfire season impacted air quality throughout the western United States. The Spokane Regional Clean Air Agency (Spokane Clean Air) requests that the Washington State Department of Ecology (Ecology) place an informational flag on six PM_{2.5} exceedances and two PM₁₀ elevated concentrations recorded at the Spokane - Broadway Avenue monitoring site as exceptional events and enter a description into the EPA Air Quality System (AQS). EPA's Harnett memo states agencies can exclude PM₁₀ concentrations between 98-155 µg/m³ threshold in determining eligibility for the PM₁₀ LMP option.

Exceedances of the 24-hour PM_{2.5} standard:

Spokane – Broadway Avenue Site (AQS# 530630017)

Flagging description: The September exceedances occurred during a period of severe wildfire smoke impacts, where winds transported smoke from wildfires in California, Oregon and Washington into Spokane County's airshed building PM_{2.5} and PM₁₀ concentrations and then winds shifted bringing smoke from Idaho and Montana, combined with poor ventilation and nightly inversions trapped the wildfire smoke in the airshed. The October exceedance occurred when smoke from wildfires in Montana and Idaho drifted into the Spokane airshed and poor ventilation and nightly inversions combined with wildfire smoke increased PM_{2.5} levels in the region.

- 9/9/2022: 41.3 µg/m³
- 9/10/2022: 44.0 µg/m³
- 9/11/2022: 68.8 µg/m³
- 9/12/2022: 103.5 µg/m³
- 9/13/2022: 63.2 µg/m³
- 10/19/2022: 37.9 µg/m³

4

Elevated 24-hour PM₁₀ concentrations:

Spokane – Broadway Avenue Site (AQS# 530630017)

Flagging description: Preliminary data shows that the September exceedances occurred during a period of severe wildfire smoke impacts, where initially winds transported smoke from wildfires in California, Oregon and Washington into Spokane County's airshed, then winds shifted and brought smoke from Idaho and Montana wildfires, and a high pressure system trapped the smoke in the region, affecting PM_{2.5} and PM₁₀ concentrations.

- 09/12/2022: 141.5 µg/m³
- 09/13/2022: 99.7 µg/m³

Supporting information:

Spokane Clean Air pulled together supporting information (Attachment A) about the wildfire smoke events.

- Spokane Regional Clean Air Agency Augusta air quality monitor graphs and communication / outreach
- Air Quality Alerts and National Weather Service forecasts
- AirNow AQI map and smoke map
- GOES West and NASA World View satellite images
- Cliff Mass Wx and WA Smoke Blogs

DEPARTMENT OF ECOLOGY
Air Quality Program

May 7, 2021

TO: Beth Friedman

FROM: Jacob Berkey

CC: Ecology: Martha Hankins, Jason Alberich, Laurie Hulse-Moyer, Farren Herron-Thorpe, Jill Schulte and Melanie Forster
Benton Clean Air Agency: Robin Priddy
Northwest Clean Air Agency: Agata McIntyre, Lyn Tober
Olympic Regional Clean Air Agency: Allie Feldt
Puget Sound Clean Air Agency: Kathy Strange, Betsy Wheelock
Southwest Clean Air Agency: Crystal Moore
Spokane Clean Air Agency: Margee Chambers
Yakima Clean Air Agency: Keith Hurley and Hasan Tahat

SUBJECT: 2020 Informational flagging request for Wildfire affected PM2.5, Wildfire and high wind affected PM 10.

The Exceptional Event Rule (EER) provides two data qualifier codes:

- Request Exclusion flags (R).
- Informational Only Flags (I).

Agencies use I flags for informational data and R flags for data points intended for an Air Quality System (AQS) exclusion request. I flags are initially used to identify values believed to have been affected by an event, yet may not be ready for exceptional events demonstration or exclusion request.

During September 7 through 19 2020, the State of Washington experienced significant wildfire smoke events, which blanketed the state and resulted in exceedances of PM2.5 and PM10. The contributing wildfires were in California, and Oregon, with additional wildfires burning here in Washington. Yakima County experienced additional wildfire smoke impact from September 2 through September 4.

For more information about these events, see the Washington State Smoke Blog:
<https://wasmoke.blogspot.com/2020/09/smoky-siege-look-back-at-smoke-storm-of.html>

Kennewick experienced three days in October related to high-wind dust. These occurred on October 16, 18, and 30, 2020. Our monitoring data at Kennewick shows these events. Here are the recorded maximum wind speeds for those dates:

10/16/2020: 32.1 mph

10/18/2020: 36.9 mph

10/30/2020: 31.1 mph

- This link from Department of Ecology shows our outreach efforts in regards to the wind event: <https://twitter.com/ecyspokane/status/1322295179928170496>
- This link is outreach from the National Weather Service regarding the event: <https://twitter.com/NWSPendleton/status/1322124202246361090>
- To track daily conditions during the time of the wind event check here: <http://mesonet.agron.iastate.edu/wx/afos/list.phtml?source=OTX&year=2020&month=10&day=7&drange=yes&year2=2020&month2=10&day2=23&view=prod&order=asc>
 - October 16: <http://mesonet.agron.iastate.edu/wx/afos/p.php?pil=AFDOTX&e=202010162318>
 - October 18: <http://mesonet.agron.iastate.edu/wx/afos/p.php?pil=AFDOTX&e=202010180505>
 - October 30: <http://mesonet.agron.iastate.edu/wx/afos/p.php?pil=AFDOTX&e=202010301805>

To meet the EER requirements, Ecology's Air Quality Program Policy and Planning Section requests you to place an I flag on all data in AQS associated with the wildfire and high wind affected PM2.5 and PM10 data during 2020.



Date: February 2, 2022
To: Jacob Berkey, Jill Schulte, Beth Friedman
From: Margee Chambers *Margee Chambers*
CC: Ecology: Jason Albrecht
Spokane Clean Air: Scott Windsor, Mark Rowe
Re: Request for Exceptional Event informational flagging for:
PM_{2.5} exceedances July 31 and August 1, 2, 3, 12, 13, and 14, 2021 (7 days)
Ozone exceedances July 13, 14 and 31, 2021 (3 days)
Elevated PM₁₀ concentrations August 2, 12, and 13, 2021 (3 days)

EPA's Exceptional Event Rule (EER) provides a process for excluding qualifying exceedances from calculations when determining compliance with National Ambient Air Quality Standards (NAAQS). The first step in the process is informational flagging of the data in the monitoring record and entering an event description.

Spokane Regional Clean Air Agency (Spokane Clean Air) requests that the Washington State Department of Ecology (Ecology) place an informational flag on elevated PM_{2.5}, PM₁₀ and Ozone concentrations recorded at the Spokane - Broadway Avenue, Greenbluff, and Turnbull monitoring sites as exceptional events and enter a description into the U.S. Environmental Protection Agency's (EPA) Air Quality System (AQS).

The elevated concentrations occurred during a period of severe wildfire smoke impacts, where winds transported smoke from regional wildfires in California, Oregon, and Washington.

Exceedances of the 24-hour PM_{2.5} standard:

Spokane – Broadway Avenue Site (AQS# 530630017) Please note that Broadway became a regulatory monitoring site for PM_{2.5} on January 1, 2021. The Augusta site is no longer the regulatory monitoring site.

- 7/31/2021: 53.6 µg m-3
- 8/1/2021: 57.6 µg m-3
- 8/2/2021: 96.4 µg m-3
- 8/3/2021: 72.7 µg m-3
- 8/12/2021: 78.9 µg m-3
- 8/13/2021: 117.7 µg m-3
- 8/14/2021: 67.7 µg m-3

Exceedances of the 8-hour Ozone standard:

Spokane – Greenbluff Site (AQS# 530630046)

- 7/13/2021: 76 ppb
- 7/14/2021: 73 ppb

Spokane – Turnbull Site (AQS# 530630001)

- 7/31/21: 71 ppb

Spokane Clean Air requests that Ecology i-flag concentration data believed to have been significantly affected by the 2021 wildfire smoke exceptional events, but not exceeding the standard. EPAs [Harnett memo](#) states agencies can exclude PM₁₀ concentrations between 98-155 µg/m³ threshold in determining eligibility for the PM₁₀ LMP option.

Elevated 24-hour PM₁₀ concentrations:

Spokane – Broadway Avenue Site (AQS# 530630017) Please note that Broadway became a regulatory monitoring site for PM₁₀ on April 1, 2021. The Augusta site is no longer the regulatory monitoring site.

- 8/2/2021: 112.7 µg m-3
- 8/12/2021: 100.6 µg m-3
- 8/13/2021: 144.6 µg m-3

Flagging Request: Please place exceptional event informational flags on July 31, August 1, 2, 3, 12, 13,14, 2021 at the Spokane - Broadway Avenue PM_{2.5} site (AQS site ID #530630017); on July 13, 14, 2021 at the Spokane-Greenbluff site, (AQS site ID #530630046); on July 31, 2021 at the Spokane – Turnbull site (AQS site ID #530630001); and on August 2, 12, 13, 2021 for the Spokane – Broadway PM₁₀ site (AQS site ID #530630017). Please use the code “I-Informational” and enter the event description shown below:

Preliminary review of data suggests that regional wildfires in CA, OR, and WA, winds transporting smoke into Spokane County air shed, contributed to elevated levels of PM_{2.5}, PM₁₀, and ozone concentrations in Spokane County.

Spokane Clean Air pulled together supporting information (Attachment A) about the wildfire smoke events that is available upon request.

- Air Quality Alerts and National Weather Service forecasts
- Spokane Regional Clean Air Agency Augusta air quality monitor graphs and communication / outreach
- Airnow AQI map and smoke map
- GOES West and NASA World View satellite images
- Cliff Mass Wx Blogs