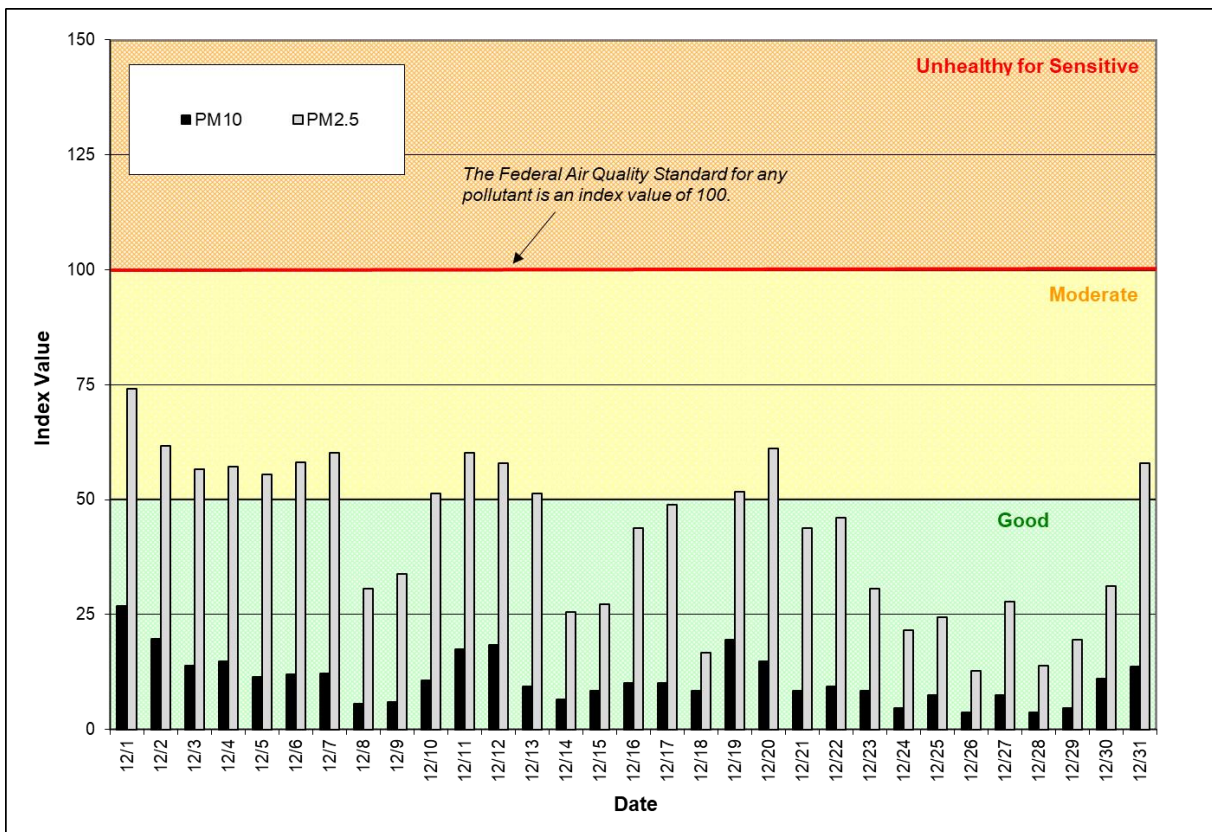


# Spokane Regional Clean Air Agency Air Quality Report - December 2024

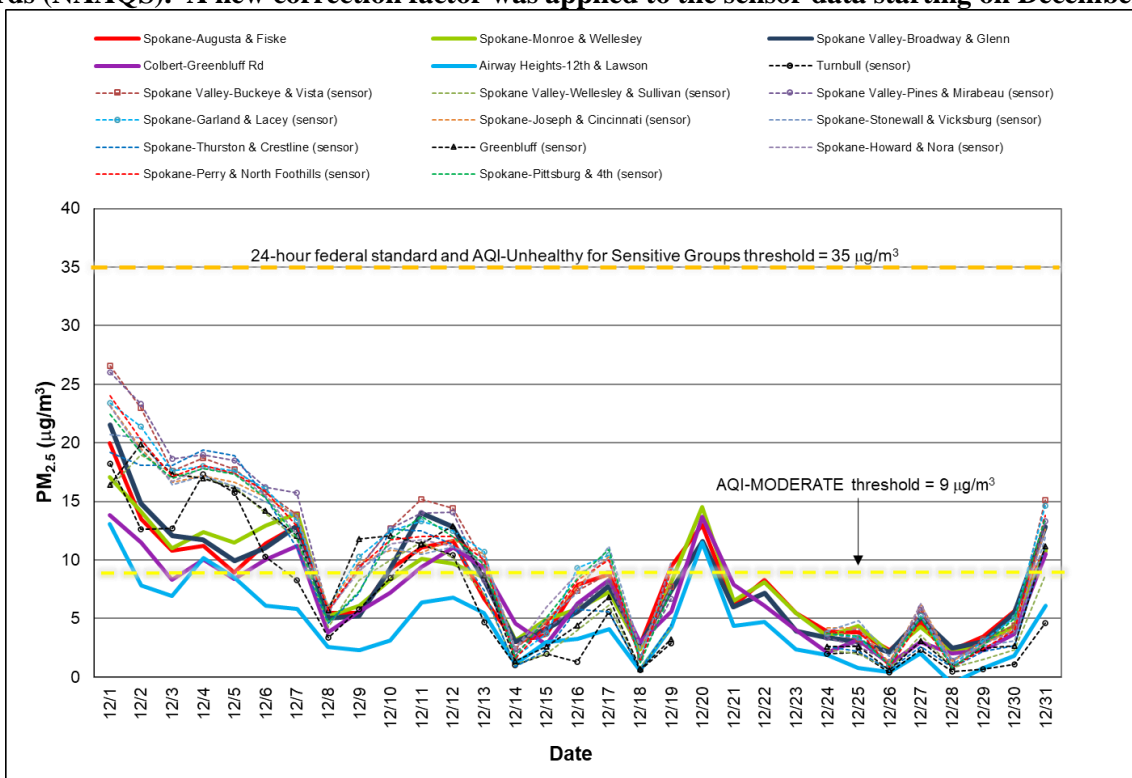
Weather conditions for about half of December (14 days) featured high atmospheric pressure, fog and low clouds, and light winds – and MODERATE air quality. Storm systems passing through the region helped to provide GOOD air quality on the remaining 17 days (**Figure 1** and **Table 1**). The highest Air Quality Index (AQI) value for the month was 74, which was recorded on the 1<sup>st</sup> at the Spokane – Broadway and Glenn monitoring station (24-hour avg PM<sub>2.5</sub> mass concentration = 21.5 µg/m<sup>3</sup>; **Figure 2**; **Table 2**). PM<sub>2.5</sub> mass concentration data reported by the network of “low-cost” sensors, although higher than concentrations reported by the Agency’s regular air monitors on some days, are not included in Figure 1 or Table 1, 2, or 3 of this report. The highest PM<sub>10</sub>-based AQI for the month was 28 (GOOD air quality, 24-hour mass concentration = 30 µg/m<sup>3</sup>), recorded on the 1<sup>st</sup> at Spokane-Augusta & Fiske (**Figure 3**). The year ended with a total of 277 GOOD air quality days, 87 MODERATE days, and 2 days in the Unhealthy for Sensitive Groups category. The highest daily AQI for the year was 106, based on PM<sub>2.5</sub> during a period of relatively stagnant conditions in November (**Table 3**).

A summary of the current federal air quality standards is provided in **Appendix 1**, an explanation of the AQI is provided in **Appendix 2**, and a summary of daily PM<sub>2.5</sub>, and PM<sub>10</sub> mass concentrations and AQIs across the Spokane-area ambient air monitoring network is provided in **Appendix 3**.

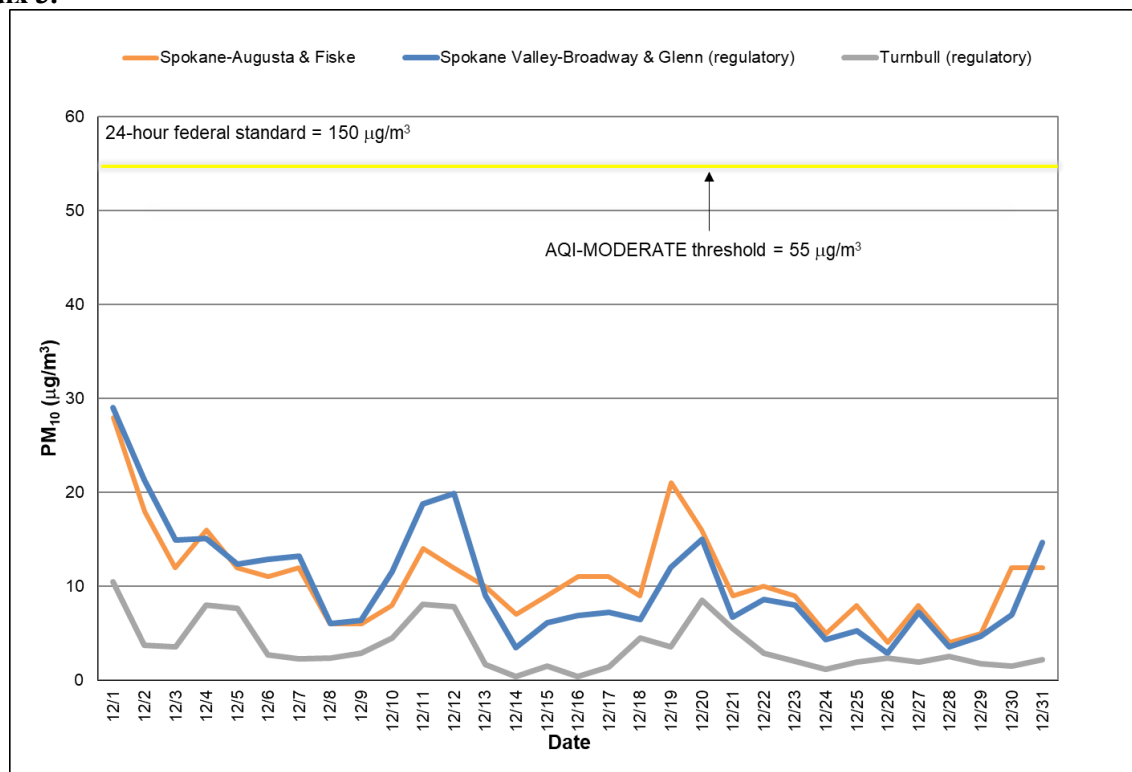
**Figure 1: Daily Air Quality Index (AQI) values for December 2024.** The data represent the maximum AQI values across all monitoring stations within Spokane County. PM<sub>10</sub> and PM<sub>2.5</sub>, monitored year-round in Spokane County, are represented. Ozone is monitored from May 1<sup>st</sup> through September 30<sup>th</sup>. “Low-cost” sensor PM<sub>2.5</sub> and PM<sub>10</sub> data are not represented here.



**Figure 2: Daily 24-hour average PM<sub>2.5</sub>, all Spokane County monitoring stations, December 2024. Data plotted using dashed lines were collected using “low-cost” sensors. The Spokane Valley – Broadway & Glenn monitor is the only one used to determine compliance with the National Ambient Air Quality Standards (NAAQS). A new correction factor was applied to the sensor data starting on December 6.**



**Figure 3: Daily 24-hour average PM<sub>10</sub>, all Spokane County monitoring stations, December 2024. “Low-cost” sensor data are shown here using dashed lines. Spokane Valley – Broadway & Glenn and Turnbull are used to determine compliance with the NAAQS. The Agency, in cooperation with the Washington State Department of Ecology, is testing low-cost PM<sub>10</sub> sensors at the Airway Heights-12<sup>th</sup> & Lawson, Spokane-Sprague & Haven, and Spokane Valley-Buckeye & Vista stations. Those data are reported in Appendix 3.**



**Table 1: AQI summary, December 2024.** “Low-cost” sensor data are not represented in Tables 2 or 3.

Category	Number of days in December	Number of days this year to date
Good (0-50)	17	277
Moderate (51-100)	14	87
Unhealthy for Sensitive Groups (101-150)	2	2
Unhealthy (151-200)	0	0
Very Unhealthy (201-300)	0	0
Hazardous (>300)	0	0

**Table 2: Maximum AQI values and pollutant concentrations for this reporting period.**

Pollutant	AQI		Location	Date
Ozone	Ozone is monitored from May 1 <sup>st</sup> through September 30 <sup>th</sup> .			
PM <sub>10</sub>	28 (mass conc. = 30 µg/m <sup>3</sup> )	Good	Spokane – Augusta & Fiske	12/1
PM <sub>2.5</sub>	74 (conc. = 21.5 µg/m <sup>3</sup> )	Moderate	Spokane Valley – Broadway & Glenn	12/1

**Table 3: Maximum AQI values and pollutant concentrations this year.**

Pollutant	AQI		Location	Date
Ozone	100 (conc. = 0.070 ppm)	Moderate	Greenbluff	7/13
PM <sub>10</sub>	85 (mass conc. = 124 µg/m <sup>3</sup> )	Moderate	Turnbull National Wildlife Refuge	9/29
PM <sub>2.5</sub>	106 (conc. = 37.7 µg/m <sup>3</sup> )	USG	Spokane – Monroe & Wellesley	11/9

## Appendix 1 – National Ambient Air Quality Standards

The Clean Air Act requires EPA to set National Ambient Air Quality Standards (NAAQS) for six common air pollutants, carbon monoxide (CO), lead (Pb), nitrogen dioxide (NO<sub>2</sub>), particulate matter (PM<sub>10</sub> and PM<sub>2.5</sub>), ground-level ozone (O<sub>3</sub>) and sulfur dioxide (SO<sub>2</sub>; Table A-1). These are known as “criteria” pollutants because the US EPA established regulatory limits to concentrations in ambient air using human health or environmentally based criteria. Carbon monoxide, particulate matter and ozone are monitored in Spokane County by the Spokane Regional Clean Air Agency (SRCAA) and the Washington State Department of Ecology (Ecology).

**Table A-1: National Ambient Air Quality Standards**

Pollutant [links to historical tables of NAAQS reviews]		Primary/ Secondary	Averaging Time	Level	Form
<a href="#">Carbon Monoxide (CO)</a>		primary	8 hours	9 ppm	Not to be exceeded more than once per year
			1 hour	35 ppm	
<a href="#">Lead (Pb)</a>		primary and secondary	Rolling 3 month period	0.15 µg/m <sup>3</sup> (1)	Not to be exceeded
<a href="#">Nitrogen Dioxide (NO<sub>2</sub>)</a>		primary	1 hour	100 ppb	98th percentile of 1-hour daily maximum concentrations, averaged over 3 years
		primary and secondary	1 year	53 ppb (2)	Annual Mean
<a href="#">Ozone (O<sub>3</sub>)</a>		primary and secondary	8 hours	0.070 ppm (3)	Annual fourth-highest daily maximum 8-hour concentration, averaged over 3 years
<a href="#">Particle Pollution (PM)</a>	PM <sub>2.5</sub>	primary	1 year	9.0 µg/m <sup>3</sup>	annual mean, averaged over 3 years
		secondary	1 year	15.0 µg/m <sup>3</sup>	annual mean, averaged over 3 years
		primary and secondary	24 hours	35 µg/m <sup>3</sup>	98th percentile, averaged over 3 years
	PM <sub>10</sub>	primary and secondary	24 hours	150 µg/m <sup>3</sup>	Not to be exceeded more than once per year on average over 3 years
<a href="#">Sulfur Dioxide (SO<sub>2</sub>)</a>		primary	1 hour	75 ppb (4)	99th percentile of 1-hour daily maximum concentrations, averaged over 3 years
		secondary	3 hours	0.5 ppm	Not to be exceeded more than once per year

(1) In areas designated nonattainment for the Pb standards prior to the promulgation of the current (2008) standards, and for which implementation plans to attain or maintain the current (2008) standards have not been submitted and approved, the previous standards (1.5 µg/m<sup>3</sup> as a calendar quarter average) also remain in effect. (2) The level of the annual NO<sub>2</sub> standard is 0.053 ppm. It is shown here in terms of ppb for the purposes of clearer comparison to the 1-hour standard level. (3) Final rule signed October 1, 2015, and effective December 28, 2015. The previous (2008) O<sub>3</sub> standards additionally remain in effect in some areas. Revocation of the previous (2008) O<sub>3</sub> standards and transitioning to the current (2015) standards will be addressed in the implementation rule for the current standards. (4) The previous SO<sub>2</sub> standards (0.14 ppm 24-hour and 0.03 ppm annual) will additionally remain in effect in certain areas: (a) any area for which it is not yet 1 year since the effective date of designation under the current (2010) standards, and (b) any area for which implementation plans providing for attainment of the current (2010) standard have not been submitted and approved and which is designated nonattainment under the previous SO<sub>2</sub> standards or is not meeting the requirements of a SIP call under the previous SO<sub>2</sub> standards (40 CFR 50.4(3)). A SIP call is an EPA action requiring a state to resubmit all or part of its State Implementation Plan to demonstrate attainment of the require NAAQS.

## Appendix 2 – Air Quality Index

The Air Quality Index (AQI) is EPA’s color-coded tool for communicating daily air quality to the public and can be calculated for any of the criteria pollutants except lead, provided monitoring data are available. An index value above 100 indicates that the concentration of a criteria pollutant exceeded the limit established in the NAAQS. Categories of the AQI are “Good” (green, 0-50), “Moderate” (yellow, 51-100), “Unhealthy for Sensitive Groups” (USG; orange, 101-150), “Unhealthy” (red, 151-200), “Very Unhealthy” (purple, 201-300) and “Hazardous” (maroon, 301-500; Table A-2). The PM<sub>2.5</sub> breakpoints were updated when the new annual PM<sub>2.5</sub> standard went into effect on May 6<sup>th</sup>.

**Table A-2: Air pollutant breakpoints for the Air Quality Index.**

Air Quality Index Levels of Health Concern	Color Code	Index Numerical Value	Breakpoints				Health Effects
			O <sub>3</sub> (ppm) 8-hour	PM <sub>2.5</sub> (µg/m <sup>3</sup> ) 24-hour	PM <sub>10</sub> (µg/m <sup>3</sup> ) 24-hour	CO (ppm) 8-hour	
<b>Good</b>	Green	0-50	0.000-0.054	0.0-9.0	0-54	0.0-4.4	Air quality is considered satisfactory and air pollution poses little or no risk.
<b>Moderate</b>	Yellow	51-100	0.055-0.070	9.1-35.4	55-154	4.5-9.4	Air quality is acceptable; however, for some pollutants there may be a moderate health concern for a very small number of people who are unusually sensitive to air pollution.
<b>Unhealthy for Sensitive Groups</b>	Orange	101-150	0.071-0.085	35.5-55.4	155-254	9.5-12.4	People especially sensitive to air pollution may experience health effects. The general public is not likely to be affected. An AQI in this category or above indicates that air pollution exceeds levels acceptable under federal air quality standards.
<b>Unhealthy</b>	Red	151-200	0.086-0.105	55.5-125.4	255-354	12.5-15.4	Everyone may begin to experience health effects; members of sensitive groups may experience more serious health effects.
<b>Very Unhealthy</b>	Purple	201-300	0.106-0.200	125.5-225.4	355-424	15.5-30.4	Health alert: everyone may experience more serious health effects.
<b>Hazardous</b>	Maroon	>300	0.201 to the Significant Harm Level* (0.600 ppm, 2 hour average)	225.5+	425+	30.5+	Health warnings of emergency conditions. The entire population is more likely to be affected.

\*The significant harm level (SHL) is set at a level that represents imminent and substantial endangerment to public health.

# Appendix 3

**Table A-3(1): December summary air quality data for air monitoring stations in Spokane County.**

Particulate matter mass concentration is reported as 24-hour averages in micrograms per cubic meter of air ( $\mu\text{g}/\text{m}^3$ ). The  $\text{PM}_{2.5}$  monitor and  $\text{PM}_{10}$  sensor at Spokane – Sprague & Haven were offline all month because of broken equipment. Much of the  $\text{PM}_{10}$  sensor data for Airway Heights – 12<sup>th</sup> & Lawson was invalidated because of interference of fog with the sensor. No data were reported by Department of Ecology sensors statewide on December 20-23.

Date	Pollutant Concentration																							
	$\text{PM}_{2.5}$ ( $\mu\text{g}/\text{m}^3$ )															$\text{PM}_{10}$ ( $\mu\text{g}/\text{m}^3$ )								
	24-Hour Avg															24-Hour Avg								
	PM <sub>2.5</sub> - Airway Heights, 12th & Lawson	PM <sub>2.5</sub> - Colbert, E Greenbluff Rd	PM <sub>2.5</sub> - Spokane, Augusta & Fiske	PM <sub>2.5</sub> - Spokane, Monroe & Wellesley	PM <sub>2.5</sub> - Spokane, Sprague & Haven	PM <sub>2.5</sub> - Spokane Valley, Broadway & Glenn	PM <sub>2.5</sub> - Spokane, Garland & Lacey (sensor)	PM <sub>2.5</sub> - Spokane, Howard & Nora (sensor)	PM <sub>2.5</sub> - Spokane, Joseph & Cincinnati (sensor)	PM <sub>2.5</sub> - Spokane, Perry & North Foothills (sensor)	PM <sub>2.5</sub> - Spokane, Pittsburg & 4th (sensor)	PM <sub>2.5</sub> - Spokane, Stonewall & Vicksburg (sensor)	PM <sub>2.5</sub> - Spokane, Thurston & Crestline (sensor)	PM <sub>2.5</sub> - Spokane Valley, Buckeye & Vista (sensor)	PM <sub>2.5</sub> - Spokane Valley, Pines & Mirabeau (sensor)	PM <sub>2.5</sub> - Spokane Valley, Wellesley & Sullivan (sensor)	PM <sub>2.5</sub> - Turnbull NWR (sensor)	PM <sub>2.5</sub> - Greenbluff (sensor)	PM <sub>10</sub> - Spokane, Augusta & Fiske	PM <sub>10</sub> - Spokane Valley, Broadway & Glenn	PM <sub>10</sub> - Turnbull NWR	PM <sub>10</sub> - Airway Heights, 12th & Lawson (sensor)	PM <sub>10</sub> - Spokane, Sprague & Haven (sensor)	PM <sub>10</sub> - Spokane Valley, Buckeye & Vista (sensor)
12/1	13.0	13.8	20.0	17.0		21.4	23.3	23.0	23.1	24.0	22.4	20.6	19.1	26.6	26.0	16.1	18.1	16.3	28	29	10	18		17
12/2	7.7	11.5	13.4	14.0		14.8	21.3	19.3	19.4	20.3	19.2	20.3	18.0	23.0	23.3	18.9	12.5	19.8	18	21	3		10	
12/3	6.9	8.2	10.7	10.9		12.0	17.5	16.6	16.5	17.1	17.0	16.3	18.0	17.6	18.6	17.3	12.6	17.2	12	14	3	19		9
12/4	10.1	10.0	11.1	12.3		11.7	17.9	17.8	17.1	18.1	17.8	17.1	19.3	18.7	19.0	16.9	17.1	16.9	16	15	8		11	
12/5	8.5	8.3	8.9	11.4		9.9	17.5	17.3	16.5	17.4	17.3	16.2	18.8	17.7	18.5	16.2	15.6	16.0	12	12	7		9	
12/6	6.1	10.0	11.3	12.8		11.0	16.0	15.4	15.3	15.9	15.3	14.9	15.3	15.8	16.2	14.0	10.2	14.1	11	12	2		9	
12/7	5.7	11.2	12.9	13.9		12.8	13.3	12.1	13.5	12.9	11.9	13.7	10.9	13.9	15.7	11.7	8.2	12.0	12	13	2		10	
12/8	2.5	3.7	5.4	5.1		4.9	5.9	5.7	5.8	5.7	4.7	5.6	4.5	5.8	5.6	4.2	3.3	5.6	6	6	2	8		6
12/9	2.3	5.6	5.5	6.0		5.1	10.2	8.9	9.8	9.4	7.3	9.0	7.1	9.4	9.3	8.2	5.7	11.7	6	6	2		5	
12/10	3.0	7.1	9.1	8.2		9.2	12.4	11.3	10.7	11.7	11.8	10.9	12.5	12.7	12.7	9.9	8.4	12.0	8	11	4		6	
12/11	6.4	9.4	11.1	10.0		14.0	13.2	11.6	10.5	12.0	13.7	10.4	12.4	15.2	14.0	11.4	11.2	11.3	14	18	8	8		9
12/12	6.7	11.0	11.6	9.6		12.7	12.4	11.1	11.6	12.0	12.0	11.0	11.2	14.4	14.1	10.1	10.2	12.8	12	19	7		9	
12/13	5.4	9.3	6.7	8.4		8.2	10.7	9.7	10.4	10.0	9.6	10.2	7.3	9.8	8.3	6.9	4.6	8.6	10	9	1		9	
12/14	1.1	4.5	3.0	3.0		3.0	1.6	2.3	2.4	1.6	1.7	2.4	0.8	2.4	2.1	1.0	0.9	1.3	7	3	0	4		3
12/15	3.0	2.8	3.6	4.8		4.0	3.6	5.9	4.7	4.5	5.1	5.0	2.2	4.7	4.1	1.9	1.9	2.5	9	6	1	5		6
12/16	3.2	6.3	7.9	5.7		5.5	9.2	8.7	7.6	8.3	8.4	7.1	5.7	7.4	6.0	3.9	1.2	4.3	11	6	0		8	
12/17	4.0	8.2	8.7	7.2		7.7	10.3	10.0	10.2	10.0	10.9	11.1	5.5	8.8	8.1	6.0	5.5	6.7	11	7	1		8	
12/18	0.5	2.9	2.7	2.3		2.7	1.5	1.4	2.3	1.3	1.2	2.4	0.5	1.7	1.7	0.7	0.5	0.6	9	6	4	14		9
12/19	4.2	5.6	9.4	8.1		7.4	9.0	9.7	8.1	9.0	7.3	7.5	4.4	7.7	6.7	4.1	2.8	3.1	21	12	3	9		9
12/20	11.5	13.6	12.9	14.4		11.6													16	15	8			
12/21	4.4	7.9	6.1	6.4		6.0													9	6	5			
12/22	4.6	6.1	8.3	8.0		7.1													10	8	2			
12/23	2.3	4.0	5.4	5.4		3.9													9	8	2			6
12/24	1.9	2.1	3.8	3.4		3.3	3.6	3.5	4.1	3.7	3.7	3.8	2.5	3.8	3.4	2.2	1.9	2.5	5	4	1	4		4
12/25	0.7	3.1	3.8	4.3		3.0	3.3	4.0	4.1	4.0	3.5	4.7	2.1	3.2	2.6	1.9	2.0	2.5	8	5	1	11		5
12/26	0.4	1.1	2.2	2.0		2.0	0.9	0.8	1.1	0.9	1.0	1.8	0.5	1.1	1.3	0.6	0.4	0.5	4	2	2	5		3
12/27	2.0	3.0	4.6	4.2		5.0	5.1	6.1	6.1	4.8	5.1	5.1	2.5	5.7	5.9	3.5	2.2	3.0	8	7	1			6
12/28	-0.4	2.0	2.2	2.0		2.4	0.9	0.8	1.3	0.8	0.8	1.4	0.7	1.4	1.4	0.6	0.4	0.8	4	3	2	3		3
12/29	0.7	2.3	3.5	2.9		3.0	3.1	2.7	2.7	2.4	2.7	2.6	2.1	3.2	3.1	1.4	0.6	2.4	5	4	1	4		3
12/30	1.7	3.7	5.6	4.3		5.5	5.0	3.8	4.0	4.0	5.0	3.0	2.6	4.4	3.9	2.2	1.0	2.6	12	7	1	7		5
12/31	6.0	10.5	10.7	10.7		12.7	14.5	12.5	12.5	13.8	13.6	11.8	11.1	15.1	13.3	8.6	4.5	11.1	12	14	2			9
AVG	4.4	6.7	7.8	7.7		7.9	9.7	9.3	9.3	9.5	9.3	9.1	8.1	10.0	9.8	7.4	6.1	8.1	11	10	3	9		7
MAX	13.0	13.8	20.0	17.0		21.4	23.3	23.0	23.1	24.0	22.4	20.6	19.3	26.6	26.0	18.9	18.1	19.8	28	29	10	19		17

**Table A-3(2): December summary Air Quality Index (AQI) data for air monitoring stations in Spokane County.** See Appendix 2 for more information about the AQI.

Air Quality Index (AQI)																									
Date	PM <sub>2.5</sub>															PM <sub>10</sub>									
	PM <sub>2.5</sub> - Airway Heights, 12th & Lawson	PM <sub>2.5</sub> - Colbert, E Greenbluff Rd	PM <sub>2.5</sub> - Spokane, Augusta & Fiske	PM <sub>2.5</sub> - Spokane, Monroe & Wellesley	PM <sub>2.5</sub> - Spokane, Sprague & Haven	PM <sub>2.5</sub> - Spokane Valley, Broadway & Glenn	PM <sub>2.5</sub> - Spokane, Garland & Lacey (sensor)	PM <sub>2.5</sub> - Spokane, Howard & Nora (sensor)	PM <sub>2.5</sub> - Spokane, Joseph & Cincinnati (sensor)	PM <sub>2.5</sub> - Spokane, Perry & North Foothills (sensor)	PM <sub>2.5</sub> - Spokane, Thurston & Crestline (sensor)	PM <sub>2.5</sub> - Spokane, Pittsburg & 4th (sensor)	PM <sub>2.5</sub> - Spokane, Stonewall & Vicksburg (sensor)	PM <sub>2.5</sub> - Spokane Valley, Buckeye & Vista (sensor)	PM <sub>2.5</sub> - Spokane Valley, Pines & Mirabeau (sensor)	PM <sub>2.5</sub> - Spokane Valley, Wellesley & Sullivan (sensor)	PM <sub>2.5</sub> - Turnbull NWR (sensor)	PM <sub>2.5</sub> - Greenbluff (sensor)	PM <sub>10</sub> - Spokane, Augusta & Fiske	PM <sub>10</sub> - Spokane Valley, Broadway & Glenn	PM <sub>10</sub> - Turnbull NWR	PM <sub>10</sub> - Airway Heights, 12th & Lawson (sensor)	PM <sub>10</sub> - Spokane, Sprague & Haven (sensor)	PM <sub>10</sub> - Spokane Valley, Buckeye & Vista (sensor)	MAXIMUM
12/1	58	60	71	66		74	77	77	77	79	76	72	70	84	82	64	68	64	26	27	9	17		16	84
12/2	43	55	59	60		62	74	70	70	72	70	72	68	77	77	69	57	71	17	19	3			9	77
12/3	38	46	54	54		56	67	65	65	66	66	64	68	67	69	66	58	66	11	13	3	18		8	69
12/4	53	53	55	57		56	67	67	66	68	67	66	70	69	69	66	66	66	15	14	7			10	70
12/5	47	46	49	55		52	67	66	65	66	66	64	69	67	69	64	63	64	11	11	6			8	69
12/6	34	53	55	58		55	64	63	63	64	63	62	63	63	64	60	53	60	10	11	2			8	64
12/7	32	55	58	60		58	59	57	59	58	56	60	54	60	63	56	46	56	11	12	2			9	63
12/8	14	21	30	28		27	33	32	32	32	26	31	25	32	31	23	18	31	6	6	2	7		6	33
12/9	13	31	31	33		28	53	49	52	52	41	50	39	52	51	46	32	56	6	6	2			5	56
12/10	17	39	51	46		51	57	55	54	56	56	54	57	58	58	52	47	56	7	10	4			6	58
12/11	36	52	55	53		60	59	56	54	56	60	53	57	62	60	55	55	55	13	17	7	7		8	62
12/12	37	55	56	52		58	57	55	56	56	56	55	55	61	60	53	53	58	11	18	6			8	61
12/13	30	51	37	47		46	54	52	53	53	52	53	41	52	46	38	26	48	9	8	1			8	54
12/14	6	25	17	17		17	9	13	13	9	9	13	4	13	12	6	5	7	6	3	0	4		3	25
12/15	17	16	20	27		22	20	33	26	25	28	28	12	26	23	11	11	14	8	6	1	5		6	33
12/16	18	35	44	32		31	51	48	42	46	47	39	32	41	33	22	7	24	10	6	0			7	51
12/17	22	46	48	40		43	53	53	53	53	54	55	31	49	45	33	31	37	10	6	1			7	55
12/18	3	16	15	13		15	8	8	13	7	7	13	3	9	9	4	3	3	8	6	4	13		8	16
12/19	23	31	52	45		41	50	52	45	50	41	42	24	43	37	23	16	17	19	11	3	8		8	52
12/20	55	59	58	61		56													15	14	7				61
12/21	24	44	34	36		33													8	6	5				44
12/22	26	34	46	44		39													9	7	2				46
12/23	13	22	30	30		22													8	7	2				30
12/24	11	12	21	19		18	20	19	23	21	21	21	14	21	19	12	11	14	5	4	1	4		4	23
12/25	4	17	21	24		17	18	22	23	22	19	26	12	18	14	11	11	14	7	5	1	10		5	26
12/26	2	6	12	11		11	5	4	6	5	6	10	3	6	7	3	2	3	4	2	2	5		3	12
12/27	11	17	26	23		28	28	34	34	27	28	28	14	32	33	19	12	17	7	6	1			6	34
12/28	0	11	12	11		13	5	4	7	4	4	8	4	8	8	3	2	4	4	3	2	3		3	13
12/29	4	13	19	16		17	17	15	15	13	15	14	12	18	17	8	3	13	5	4	1	4		3	19
12/30	9	21	31	24		31	28	21	22	22	28	17	14	24	22	12	6	14	11	6	1	6		5	31
12/31	33	54	54	54		58	61	57	57	60	59	56	55	62	59	48	25	55	11	13	2			8	62
AVG	24	35	39	39		38	43	43	42	42	42	42	36	43	42	34	29	37	10	9	3	8		7	47
MAX	58	60	71	66		74	77	77	77	79	76	72	70	84	82	69	68	71	26	27	9	18		16	84