

**Spokane County Air Quality: Dates when PM2.5 (particles measuring 2.5 microns in diameter and smaller) failed federal, health-based standards.** The data reflects the maximum daily (midnight to midnight) PM2.5 value, reported in both concentration and related AQI value in effect on the sampling dates. The current PM2.5 standard is 35 micrograms per cubic meter of air (µ/m3) averaged from midnight to midnight.

AQI over moderate (100) scale below: 101-150: Unhealthy for Sensitive Groups/Orange; 151-200: Unhealthy/Red; 201-300: Very Unhealthy/Purple; 301-500+: Hazardous/Maroon

Year	Date	AQI value/category	24-hour average concentration (µ/m3)	Cause
2023	21-Aug	156	65.1	wildfire smoke
2023	20-Aug	293	242.9	wildfire smoke
2023	19-Aug	349	299.0	wildfire smoke
2023	18-Aug	113	40.5	wildfire smoke
2023	4-Jul	164	80.3	fireworks
2022	19-Oct	114	40.6	wildfire smoke
2022	13-Sep	155	63.2	wildfire smoke
2022	12-Sep	176	103.5	wildfire smoke
2022	11-Sep	158	68.8	wildfire smoke
2022	10-Sep	122	44.0	wildfire smoke
2022	9-Sep	115	41.3	wildfire smoke
2021	27-Sep	117	42.1	structure fire
2021	9-Sep	108	38.5	wildfire smoke
2021	14-Aug	163	78.5	wildfire smoke
2021	13-Aug	183	117.7	wildfire smoke
2021	12-Aug	163	78.9	wildfire smoke
2021	3-Aug	162	76.4	wildfire smoke
2021	2-Aug	176	104.6	wildfire smoke
2021	1-Aug	155	63.2	wildfire smoke
2021	31-Jul	146	53.6	wildfire smoke
2020	16-Sep	215	165.0	wildfire smoke
2020	15-Sep	315	264.5	wildfire smoke

<b>2020</b>	14-Sep	406	357.5	wildfire smoke
<b>2020</b>	13-Sep	479	468.6	wildfire smoke
<b>2020</b>	12-Sep	368	317.7	wildfire smoke
<b>2019</b>	7-Aug	129	46.9	wildfire smoke
<b>2019</b>	5-Aug	107	38	wildfire smoke
<b>2018</b>	24-Aug	114	40.8	wildfire smoke
<b>2018</b>	23-Aug	154	61.7	wildfire smoke
<b>2018</b>	22-Aug	134	48.8	wildfire smoke
<b>2018</b>	21-Aug	139	51	wildfire smoke
<b>2018</b>	20-Aug	200	150.3	wildfire smoke
<b>2018</b>	19-Aug	257	206.7	wildfire smoke
<b>2018</b>	16-Aug	147	54	wildfire smoke
<b>2018</b>	15-Aug	155	62.7	wildfire smoke
<b>2018</b>	14-Aug	158	69	wildfire smoke
<b>2018</b>	13-Aug	165	84.8	wildfire smoke
<b>2018</b>	10-Aug	110	39.3	wildfire smoke
<b>2018</b>	9-Aug	106	37.5	wildfire smoke
<b>2018</b>	8-Aug	131	47.5	wildfire smoke
<b>2017</b>	14-Sep	131	47.5	wildfire smoke
<b>2017</b>	8-Sep	179	110.6	wildfire smoke
<b>2017</b>	7-Sep	256	205.5	wildfire smoke
<b>2017</b>	6-Sep	245	195.4	wildfire smoke
<b>2017</b>	5-Sep	254	203.5	wildfire smoke
<b>2017</b>	4-Sep	199	148.6	wildfire smoke
<b>2017</b>	30-Aug	120	43.1	wildfire smoke
<b>2017</b>	12-Aug	109	38.8	wildfire smoke
<b>2017</b>	11-Aug	151	55.5	wildfire smoke
<b>2017</b>	10-Aug	148	54.4	wildfire smoke
<b>2017</b>	9-Aug	149	54.9	wildfire smoke
<b>2017</b>	8-Aug	116	41.4	wildfire smoke
<b>2017</b>	7-Aug	121	43.8	wildfire smoke
<b>2017</b>	6-Aug	119	42.9	wildfire smoke
<b>2017</b>	5-Aug	136	49.8	wildfire smoke

<b>2017</b>	4-Aug	<b>154</b>	62.0	wildfire smoke
<b>2017</b>	16-Jan	<b>117</b>	42.1	air stagnation/wood smoke
<b>2017</b>	14-Jan	<b>106</b>	37.5	air stagnation/wood smoke
<b>2016</b>	None	NA	NA	NA
<b>2015</b>	23-Nov	<b>104</b>	36.8	air stagnation/wood smoke
<b>2015</b>	22-Nov	<b>137</b>	50.0	air stagnation/wood smoke
<b>2015</b>	21-Nov	<b>104</b>	36.6	air stagnation/wood smoke
<b>2015</b>	29-Aug	<b>123</b>	44.6	wildfire smoke, blowing dust
<b>2015</b>	27-Aug	<b>156</b>	64.7	wildfire smoke
<b>2015</b>	26-Aug	<b>156</b>	65.3	wildfire smoke
<b>2015</b>	25-Aug	<b>115</b>	41.2	wildfire smoke
<b>2015</b>	24-Aug	<b>167</b>	86.7	wildfire smoke
<b>2015</b>	23-Aug	<b>164</b>	81.0	wildfire smoke
<b>2015</b>	21-Aug	<b>171</b>	94.2	wildfire smoke
<b>2015</b>	19-Aug	<b>102</b>	36.0	wildfire smoke
<b>2015</b>	18-Aug	<b>126</b>	45.6	wildfire smoke
<b>2015</b>	17-Aug	<b>122</b>	44.0	wildfire smoke
<b>2015</b>	14-Aug	<b>113</b>	40.3	wildfire smoke, blowing dust
<b>2015</b>	3-Aug	<b>116</b>	41.5	wildfire smoke
<b>2015</b>	2-Aug	<b>131</b>	47.5	wildfire smoke
<b>2014</b>	19-Nov	<b>105</b>	37.0	air stagnation/wood smoke
<b>2014</b>	18-Jul	<b>105</b>	37.3	wildfire smoke
<b>2013</b>	24-Nov	<b>108</b>	38.4	air stagnation/wood smoke
<b>2013</b>	18-Jan	<b>103</b>	36.6	air stagnation/wood smoke
<b>2012</b>	20-Sep	<b>107</b>	39.2	wildfire smoke
<b>2012</b>	15-Sep	<b>109</b>	40.3	wildfire smoke
<b>2012</b>	4-Jul	<b>147</b>	63.7	fireworks
<b>2011</b>	None	NA	NA	NA
<b>2010</b>	31-Dec	<b>102</b>	36.3	air stagnation/wood smoke
<b>2009</b>	11-Dec	<b>107</b>	39.5	air stagnation/wood smoke
<b>2009</b>	4-Jul	<b>113</b>	43.0	fireworks
<b>2008</b>	None	NA	NA	NA
<b>2007</b>	None	NA	NA	NA

<b>2006</b>	None	NA	NA	NA
<b>2005</b>	None	NA	NA	NA
<b>2004</b>	None	NA	NA	NA
<b>2003</b>	6-Nov	103	42.0	air stagnation/wood smoke
<b>2003</b>	5-Nov	103	41.8	air stagnation/wood smoke
<b>2002</b>	29-Nov	104	42.7	air stagnation/wood smoke
<b>2002</b>	28-Nov	105	43.1	air stagnation/wood smoke
<b>2002</b>	27-Nov	123	51.9	air stagnation/wood smoke
<b>2002</b>	26-Nov	108	44.5	air stagnation/wood smoke
<b>2002</b>	4-Nov	104	42.3	air stagnation/wood smoke
<b>2002</b>	3-Nov	115	47.8	air stagnation/wood smoke
<b>2002</b>	2-Nov	103	41.9	air stagnation/wood smoke
<b>2001</b>	11-Nov	105	43.0	air stagnation/wood smoke
<b>2001</b>	10-Nov	103	42.0	air stagnation/wood smoke
<b>2000</b>	4-Nov	101	41.0	air stagnation/wood smoke
<b>2000</b>	26-Oct	103	42.0	air stagnation/wood smoke
<b>1999</b>	None	NA	NA	NA

Notes: Spokane Clean Air began officially monitoring for PM2.5 in 1999, after the health-based standard was first established by EPA in 1997. The current PM2.5 standard, revised in 2006, is 35 micrograms per cubic meter of air averaged over 24 hours, midnight to midnight. Pollutant standards are equivalent to 100 on the AQI. Prior to 1999, monitoring was for PM10- Particulate Matter 10 microns in diameter and smaller, comprised of both smoke and dust particles. Particulate matter (PM) has been measured by Spokane Clean Air since health-based air quality standards were established in 1971. The first standard was for Total Suspended Particulates, then revised in 1987 to Particulate Matter 10 microns and smaller (PM10).