

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

The Spokane-area air monitoring network reported GOOD air quality throughout March as determined by the Air Quality Index (AQI, **Figure 1 and Table 1**). The maximum daily AQI was 42, based on a 24-hour average PM<sub>10</sub> concentration of 45 µg/m<sup>3</sup> recorded at the Spokane-Augusta & Fiske monitoring station on the 19<sup>th</sup> (**Figure 2 and Table 2**), the highest PM<sub>10</sub> reading so far this year (**Table 3**). The maximum AQI for PM<sub>2.5</sub> was 40 (24-hour PM<sub>2.5</sub> mass concentration = 9.6 µg/m<sup>3</sup>), recorded on the 18<sup>th</sup> at Spokane-Augusta & Fiske (**Figure 3**). Data reporting for new PM<sub>10</sub> and PM<sub>2.5</sub> “low-cost” sensors began in March. Further expansion of the monitoring network with such sensors will occur in April and May.

**Figure 1: Air Quality Index (AQI) values for PM<sub>10</sub> and PM<sub>2.5</sub> in March 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> are the only air pollutants that Spokane Clean Air monitors between October and April.**

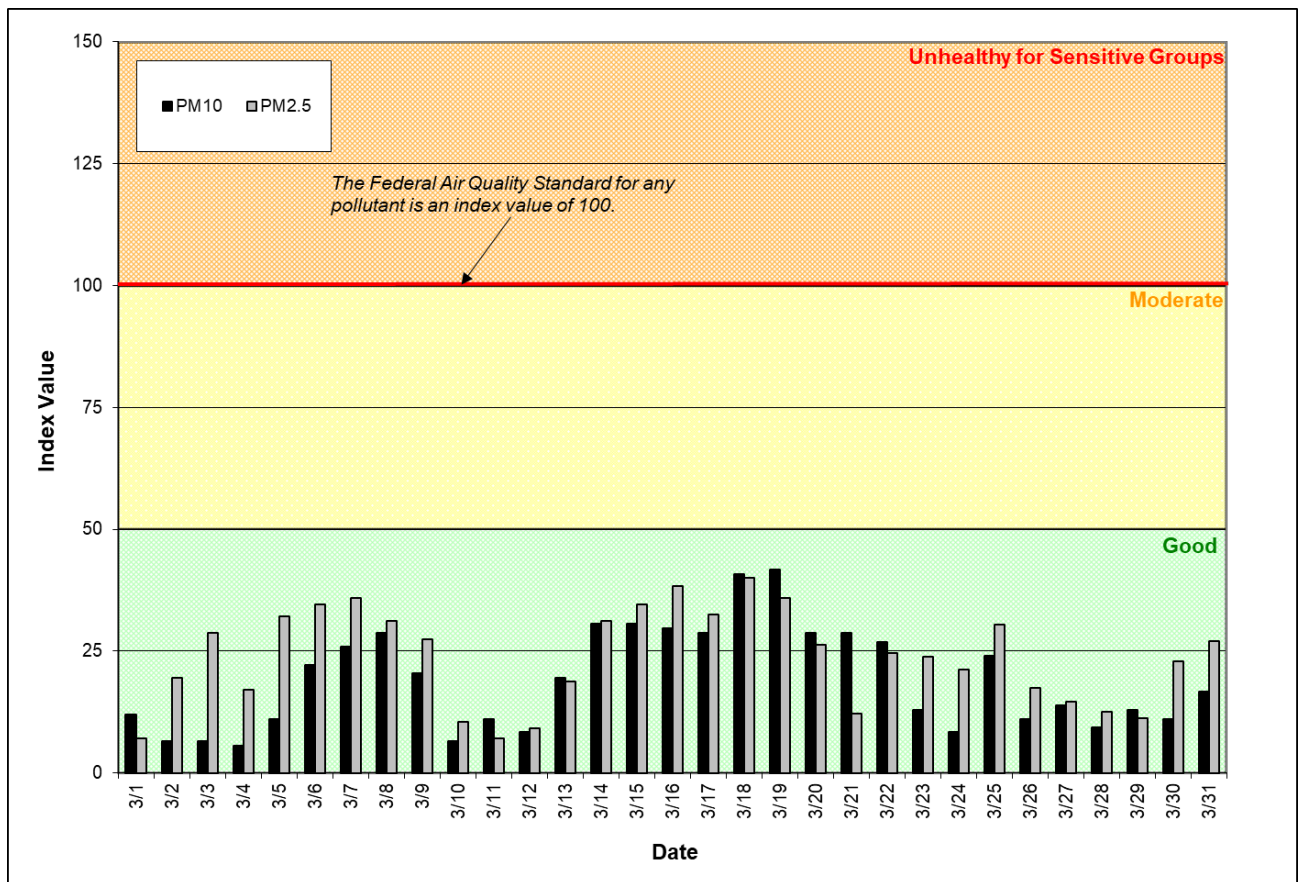
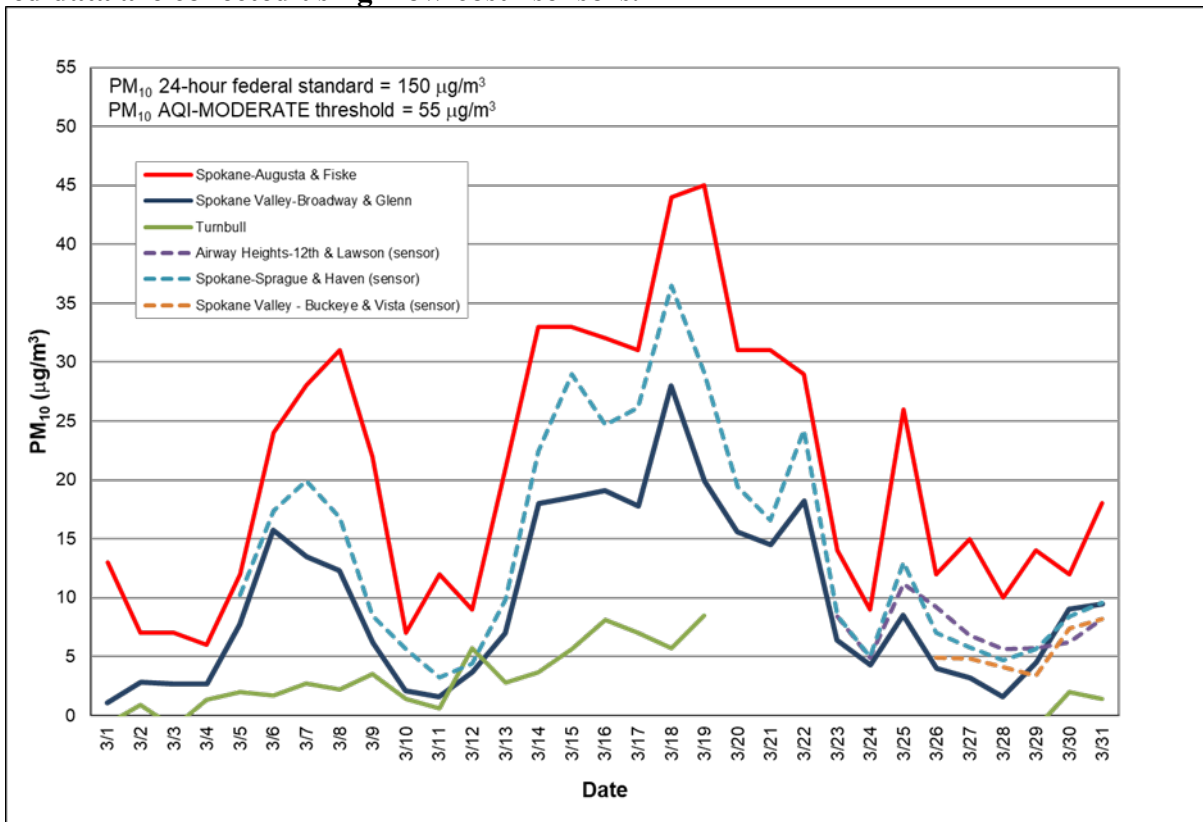


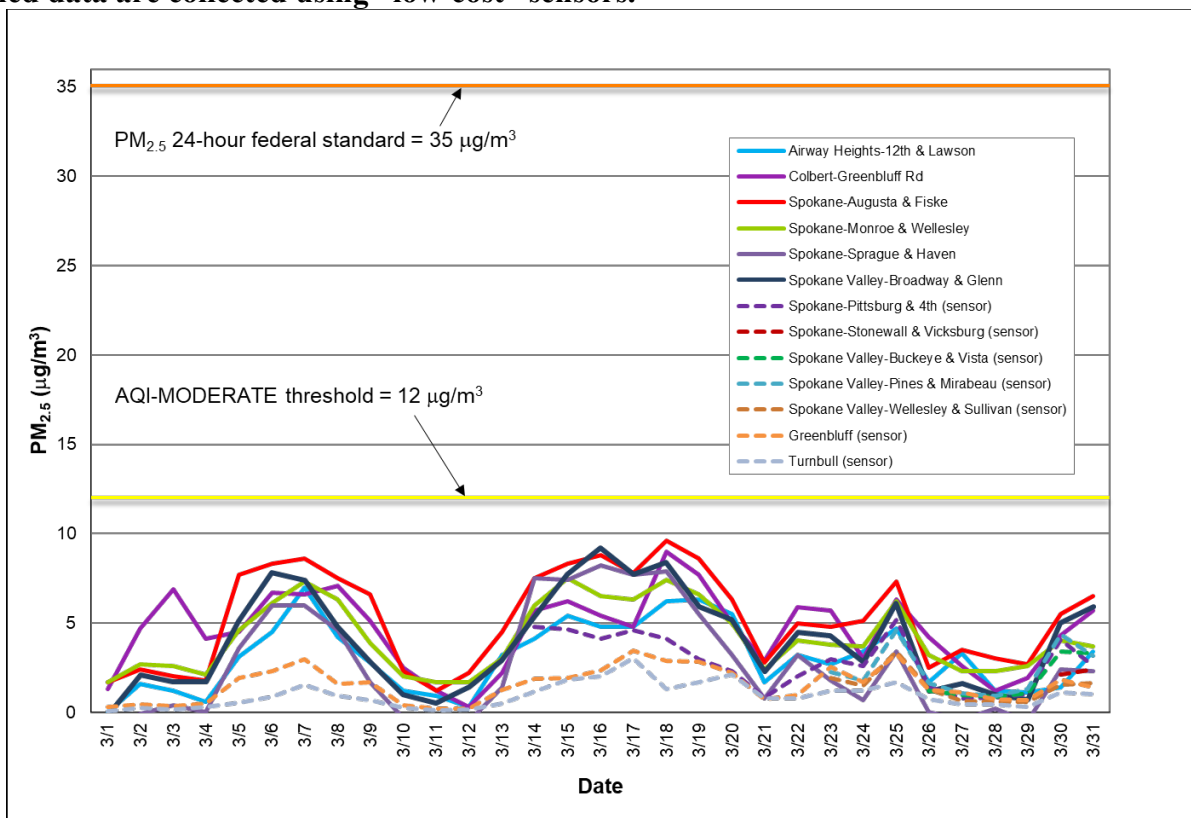
Table 1 summarizes the daily AQIs by category for the month and year-to-date and Tables 2 and 3 contain the maximum AQI values for each pollutant for the month and for the year, respectively.

See Appendix 1 of this report for a description of the AQI, Appendix 2 for information about federal air quality standards, and Appendix 3 for a summary of daily PM<sub>2.5</sub>, and PM<sub>10</sub> concentrations and AQIs across the Spokane-area ambient air monitoring network. Current and historical ambient air quality data can also be obtained from the Washington State Department of Ecology’s air monitoring data website, <https://enviwa.ecology.wa.gov/home/map>.

**Figure 2: Daily 24-hour average PM<sub>10</sub>, all Spokane County monitoring stations, March 2024. Dashed data are collected using “low-cost” sensors.**



**Figure 3: Daily 24-hour average PM<sub>2.5</sub>, all Spokane County monitoring stations, March 2024. Dashed data are collected using “low-cost” sensors.**



**Table 1: AQI summary, March 2024**

| Category                                 | Number of days in March | Number of days in 2024 |
|--|-------------------------|------------------------|
| Good (0-50)                              | 31                      | 90                     |
| Moderate (51-100)                        | 0                       | 1                      |
| Unhealthy for Sensitive Groups (101-150) | 0                       | 0                      |
| 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 |
|-------------------|-------------------------------------|------|---------------------------|------|
| PM <sub>10</sub>  | 42 (conc. = 45 µg/m <sup>3</sup> )  | Good | Spokane – Augusta & Fiske | 3/19 |
| PM <sub>2.5</sub> | 40 (conc. = 9.6 µg/m <sup>3</sup> ) | Good | Spokane – Augusta & Fiske | 3/18 |

**Table 3: Maximum AQI values and pollutant concentrations in 2024 (Jan-Mar)**

| Pollutant         | AQI                                  |          | Location                  | Date |
|-------------------|--------------------------------------|----------|---------------------------|------|
| PM <sub>10</sub>  | 42 (conc. = 45 µg/m <sup>3</sup> )   | Good     | Spokane – Augusta & Fiske | 3/19 |
| PM <sub>2.5</sub> | 52 (conc. = 12.5 µg/m <sup>3</sup> ) | Moderate | Spokane – Sprague & Haven | 1/26 |

## Appendix 1 – 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-1).

**Table A-1: 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  | 0.0-12.0                                       | 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  | 12.1-35.4                                      | 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  | 55.5-150.4                                     | 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  | 150.5-250.4                                    | 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) | 250.5+   | 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 2 – 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-2). 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-2: National Ambient Air Quality Standards**

| Pollutant<br>[links to historical tables of NAAQS reviews] |                   | Primary/<br>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><br><a href="#">(1)</a> | 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 <a href="#">(2)</a>                    | Annual Mean   |
| <a href="#">Ozone (O<sub>3</sub>)</a>                      |                   | primary and secondary | 8 hours                | 0.070 ppm<br><a href="#">(3)</a>              | 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                 | 12.0 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 <a href="#">(4)</a>                    | 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: (1) any area for which it is not yet 1 year since the effective date of designation under the current (2010) standards, and (2) 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 3

**Table A-3(a): March 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 ( $\mu\text{g}/\text{m}^3$ ).  $\text{PM}_{2.5}$  and  $\text{PM}_{10}$  sensors were installed in March as reflected in the dataset. Power interruptions caused loss of  $\text{PM}_{10}$  data at Turnbull, March 20-28.

| 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, 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> - Greenbluff (sensor) | PM <sub>2.5</sub> - Turnbull NWR (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) |     |
| 3/1  | 0.0   | 1.3  | 1.7  | 1.7   | -1.0   | -0.2   |   |   |  |   |   | 0.3                                     | 0.1                                       | 13  | 1   | -1                              |   |  |   |     |
| 3/2  | 1.6   | 4.7  | 2.4  | 2.7   | -0.1   | 2.1  |   |   |  |   |   | 0.5                                     | 0.2                                       | 7   | 2   | 0.9                             |   |  |   |     |
| 3/3  | 1.2   | 6.9  | 2.0  | 2.6   | 0.4  | 1.7  |   |   |  |   |   | 0.4                                     | 0.2                                       | 7   | 2   | -1                              |   |  |   |     |
| 3/4  | 0.6   | 4.1  | 1.8  | 2.1   | 0.0  | 1.7  |   |   |  |   |   | 0.5                                     | 0.3                                       | 6   | 2   | 1                               |   |  |   |     |
| 3/5  | 3.1   | 4.5  | 7.7  | 4.6   | 3.6  | 5.1  |   |   |  |   |   | 1.9                                     | 0.6                                       | 12  | 7   | 2                               |   |  | 10  |     |
| 3/6  | 4.5   | 6.7  | 8.3  | 6.1   | 6.0  | 7.8  |   |   |  |   |   | 2.3                                     | 0.9                                       | 24  | 15  | 1                               |   |  | 17  |     |
| 3/7  | 7.0   | 6.6  | 8.6  | 7.3   | 6.0  | 7.4  |   |   |  |   |   | 3.0                                     | 1.6                                       | 28  | 13  | 2                               |   |  | 19  |     |
| 3/8  | 4.2   | 7.1  | 7.5  | 6.3   | 4.6  | 4.8  |   |   |  |   |   | 1.6                                     | 0.9                                       | 31  | 12  | 2                               |   |  | 16  |     |
| 3/9  | 2.8   | 5.1  | 6.6  | 3.9   | 1.7  | 2.8  |   |   |  |   |   | 1.7                                     | 0.7                                       | 22  | 6   | 3                               |   |  | 8   |     |
| 3/10 | 1.2   | 2.5  | 2.3  | 2.0   | -0.3   | 1.0  |   |   |  |   |   | 0.4                                     | 0.3                                       | 7   | 2   | 1                               |   |  | 5   |     |
| 3/11 | 0.9   | 1.2  | 1.2  | 1.7   | -0.5   | 0.5  |   |   |  |   |   | 0.2                                     | 0.1                                       | 12  | 1   | 0.6                             |   |  | 3   |     |
| 3/12 | 0.3   | 0.3  | 2.2  | 1.7   | -0.5   | 1.4  |   |   |  |   |   | 0.2                                     | 0.2                                       | 9   | 3   | 5                               |   |  | 4   |     |
| 3/13 | 3.2   | 2.2  | 4.5  | 3.0   | 1.4  | 2.9  |   |   |  |   |   | 1.3                                     | 0.5                                       | 21  | 7   | 2                               |   |  | 9   |     |
| 3/14 | 4.1   | 5.7  | 7.5  | 6.0   | 7.5  | 5.4  | 4.8   |   |  |   |   | 1.9                                     | 1.2                                       | 33  | 18  | 3                               |   |  | 22  |     |
| 3/15 | 5.4   | 6.2  | 8.3  | 7.5   | 7.4  | 7.7  | 4.6   |   |  |   |   | 1.9                                     | 1.9                                       | 33  | 18  | 5                               |   |  | 29  |     |
| 3/16 | 4.8   | 5.4  | 8.8  | 6.5   | 8.2  | 9.2  | 4.1   |   |  |   |   | 2.3                                     | 2.0                                       | 32  | 19  | 8                               |   |  | 24  |     |
| 3/17 | 4.8   | 4.8  | 7.8  | 6.3   | 7.7  | 7.7  | 4.6   |   |  |   |   | 3.5                                     | 3.0                                       | 31  | 17  | 7                               |   |  | 26  |     |
| 3/18 | 6.2   | 9.0  | 9.6  | 7.4   | 7.9  | 8.4  | 4.1   |   |  |   |   | 2.9                                     | 1.3                                       | 44  | 28  | 5                               |   |  | 36  |     |
| 3/19 | 6.3   | 7.7  | 8.6  | 6.6   | 5.5  | 5.9  | 3.0   |   |  |   |   | 2.8                                     | 1.7                                       | 45  | 19  | 8                               |   |  | 29  |     |
| 3/20 | 5.5   | 5.0  | 6.3  | 5.0   | 3.2  | 5.2  | 2.3   |   |  |   |   | 2.2                                     | 2.1                                       | 31  | 15  |                                 |   |  | 19  |     |
| 3/21 | 1.7   | 2.9  | 2.8  | 2.4   | 0.8  | 2.3  | 0.8   |   |  |   |   | 0.8                                     | 0.8                                       | 31  | 14  |                                 |   |  | 16  |     |
| 3/22 | 3.2   | 5.9  | 5.0  | 4.0   | 3.2  | 4.5  | 2.0   |   |  |   |   | 1.0                                     | 0.8                                       | 29  | 18  |                                 |   |  | 24  |     |
| 3/23 | 2.7   | 5.7  | 4.8  | 3.8   | 1.8  | 4.3  | 3.0   |   |  | 2.3   | 1.9   | 2.6                                     | 1.2                                       | 14  | 6   |                                 | 8   | 8  |   |     |
| 3/24 | 3.4   | 3.0  | 5.1  | 3.7   | 0.7  | 2.8  | 2.6   |   |  | 1.8   | 1.5   | 1.7                                     | 1.2                                       | 9   | 4   |                                 | 4   | 5  |   |     |
| 3/25 | 4.7   | 6.3  | 7.3  | 6.2   | 3.4  | 6.1  | 5.2   |   |  | 4.6   | 3.4   | 3.2                                     | 1.7                                       | 26  | 8   |                                 | 11  | 13   |   |     |
| 3/26 | 1.7   | 4.2  | 2.5  | 3.2   | 0.0  | 1.2  | 1.4   |   |  | 1.2   | 1.6   | 1.3                                     | 1.3                                       | 0.7   | 12  | 4                               | 2   | 9  | 7   | 5   |
| 3/27 | 3.3   | 2.6  | 3.5  | 2.3   | -0.4   | 1.6  | 0.8   |   |  | 1.0   | 1.1   | 0.6                                     | 1.1                                       | 0.5   | 15  | 3                               |   | 6  | 5   | 5   |
| 3/28 | 1.2   | 1.2  | 3.0  | 2.3   | 0.2  | 1.0  | 0.8   |   |  | 0.9   | 0.9   | 0.6                                     | 0.8                                       | 0.4   | 10  | 1                               |   | 5  | 4   | 4   |
| 3/29 | 1.1   | 1.9  | 2.7  | 2.6   | -0.5   | 0.7  | 1.0   |   |  | 1.1   | 1.3   | 0.6                                     | 0.7                                       | 0.3   | 14  | 4                               | -1  | 5  | 5   | 3   |
| 3/30 | 1.4   | 4.3  | 5.5  | 4.0   | 2.4  | 5.0  | 4.1   | 2.1   |  | 3.4   | 4.3   | 1.5                                     | 1.8                                       | 1.1   | 12  | 9                               | 2   | 6  | 8   | 7   |
| 3/31 | 3.4   | 5.7  | 6.5  | 3.7   | 2.3  | 5.9  | 2.6   | 2.4   |  | 3.3   | 3.2   | 1.6                                     | 1.4                                       | 1.0   | 18  | 9                               | 1   | 8  | 9   | 8   |
| AVG  | 3.1   | 4.5  | 5.2  | 4.2   | 2.7  | 4.0  | 2.9   | 2.2   |  | 1.8   | 2.3   | 1.5                                     | 1.5                                       | 0.9   | 21  | 9                               | 3   | 7  | 14  | 5   |
| MAX  | 7.0   | 9.0  | 9.6  | 7.5   | 8.2  | 9.2  | 5.2   | 2.4   |  | 3.4   | 4.6   | 3.4                                     | 3.5                                       | 3.0   | 45  | 28                              | 8   | 11   | 36  | 8.2 |

**Table A-3(b): March summary Air Quality Index (AQI) data for air monitoring stations in Spokane County.** See Appendix 2 for an explanation of the Air Quality Index. See Appendix 2 for an explanation of the Air Quality Index.

| Air Quality Index (AQI) |   |  |  |   |  |  |   |   |  |   |   |   |   |   |   |                                 |         |   |  |
|-------------------------|---|--|--|---|--|--|---|---|--|---|---|---|---|---|---|---------------------------------|---------|---|--|
| Date                    | PM <sub>2.5</sub>                                 |  |  |   |  |  |   |   |  |   |   |   | PM <sub>10</sub>                          |   |   |                                 | MAXIMUM |   |  |
|                         | 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, 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> - Greenbluff (sensor) | PM <sub>2.5</sub> - Turnbull NWR (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) |
| 3/1                     | 0   | 5  | 7  | 7   | 0  | 0  |   |   |  |   | 1   | 0                                       | 12  | 1   | 0   |                                 |         |   | 12   |
| 3/2                     | 7   | 20   | 10   | 11  | 0  | 9  |   |   |  |   | 2   | 1                                       | 6   | 3   | 1   |                                 |         |   | 20   |
| 3/3                     | 5   | 29   | 8  | 11  | 2  | 7  |   |   |  |   | 1   | 1                                       | 6   | 3   | 0   |                                 |         |   | 29   |
| 3/4                     | 3   | 17   | 8  | 9   | 0  | 7  |   |   |  |   | 2   | 1                                       | 6   | 3   | 1   |                                 |         |   | 17   |
| 3/5                     | 13  | 19   | 32   | 19  | 15   | 21   |   |   |  |   | 8   | 2                                       | 11  | 7   | 2   |                                 | 9       |   | 32   |
| 3/6                     | 19  | 28   | 35   | 25  | 25   | 33   |   |   |  |   | 10  | 4                                       | 22  | 15  | 2   |                                 | 16      |   | 35   |
| 3/7                     | 29  | 28   | 36   | 30  | 25   | 31   |   |   |  |   | 12  | 7                                       | 26  | 13  | 3   |                                 | 18      |   | 36   |
| 3/8                     | 18  | 30   | 31   | 26  | 19   | 20   |   |   |  |   | 7   | 4                                       | 29  | 11  | 2   |                                 | 16      |   | 31   |
| 3/9                     | 12  | 21   | 28   | 16  | 7  | 12   |   |   |  |   | 7   | 3                                       | 20  | 6   | 3   |                                 | 8       |   | 28   |
| 3/10                    | 5   | 10   | 10   | 8   | 0  | 4  |   |   |  |   | 2   | 1                                       | 6   | 2   | 1   |                                 | 5       |   | 10   |
| 3/11                    | 4   | 5  | 5  | 7   | 0  | 2  |   |   |  |   | 1   | 1                                       | 11  | 1   | 1   |                                 | 3       |   | 11   |
| 3/12                    | 1   | 1  | 9  | 7   | 0  | 6  |   |   |  |   | 1   | 1                                       | 8   | 3   | 5   |                                 | 4       |   | 9  |
| 3/13                    | 13  | 9  | 19   | 13  | 6  | 12   |   |   |  |   | 5   | 2                                       | 19  | 6   | 3   |                                 | 9       |   | 19   |
| 3/14                    | 17  | 24   | 31   | 25  | 31   | 23   | 20  |   |  |   | 8   | 5                                       | 31  | 17  | 3   |                                 | 21      |   | 31   |
| 3/15                    | 23  | 26   | 35   | 31  | 31   | 32   | 19  |   |  |   | 8   | 8                                       | 31  | 17  | 5   |                                 | 27      |   | 35   |
| 3/16                    | 20  | 23   | 37   | 27  | 34   | 38   | 17  |   |  |   | 10  | 8                                       | 30  | 18  | 8   |                                 | 23      |   | 38   |
| 3/17                    | 20  | 20   | 33   | 26  | 32   | 32   | 19  |   |  |   | 14  | 13                                      | 29  | 16  | 6   |                                 | 24      |   | 33   |
| 3/18                    | 26  | 38   | 40   | 31  | 33   | 35   | 17  |   |  |   | 12  | 5                                       | 41  | 26  | 5   |                                 | 34      |   | 41   |
| 3/19                    | 26  | 32   | 36   | 28  | 23   | 25   | 12  |   |  |   | 12  | 7                                       | 42  | 18  | 8   |                                 | 27      |   | 42   |
| 3/20                    | 23  | 21   | 26   | 21  | 13   | 22   | 10  |   |  |   | 9   | 9                                       | 29  | 14  |   |                                 | 18      |   | 29   |
| 3/21                    | 7   | 12   | 12   | 10  | 3  | 10   | 3   |   |  |   | 3   | 3                                       | 29  | 13  |   |                                 | 15      |   | 29   |
| 3/22                    | 13  | 25   | 21   | 17  | 13   | 19   | 8   |   |  |   | 4   | 3                                       | 27  | 17  |   |                                 | 22      |   | 27   |
| 3/23                    | 11  | 24   | 20   | 16  | 8  | 18   | 12  |   | 10   | 8   | 11  | 5                                       | 13  | 6   |   | 8                               | 8       |   | 24   |
| 3/24                    | 14  | 13   | 21   | 15  | 3  | 12   | 11  |   | 7  | 6   | 7   | 5                                       | 8   | 4   |   | 5                               | 5       |   | 21   |
| 3/25                    | 20  | 26   | 30   | 26  | 14   | 25   | 21  |   | 19   | 14  | 14  | 7                                       | 24  | 8   |   | 10                              | 12      |   | 30   |
| 3/26                    | 7   | 18   | 10   | 13  | 0  | 5  | 6   | 5   | 7  | 5   | 5   | 3                                       | 11  | 4   | 2   | 9                               | 6       | 5   | 18   |
| 3/27                    | 14  | 11   | 15   | 10  | 0  | 7  | 3   | 4   | 5  | 3   | 5   | 2                                       | 14  | 3   |   | 6                               | 5       | 4   | 15   |
| 3/28                    | 5   | 5  | 13   | 10  | 1  | 4  | 3   | 4   | 4  | 3   | 3   | 2                                       | 9   | 1   |   | 5                               | 4       | 4   | 13   |
| 3/29                    | 5   | 8  | 11   | 11  | 0  | 3  | 4   | 4   | 5  | 2   | 3   | 1                                       | 13  | 4   | 0   | 5                               | 5       | 3   | 13   |
| 3/30                    | 6   | 18   | 23   | 17  | 10   | 21   | 17  | 9   | 14   | 18  | 6   | 8                                       | 5   | 11  | 8   | 2                               | 6       | 8   | 23   |
| 3/31                    | 14  | 24   | 27   | 15  | 10   | 25   | 11  | 10  | 14   | 13  | 7   | 6                                       | 4   | 17  | 9   | 1                               | 8       | 9   | 27   |
| AVG                     | 13  | 19   | 22   | 17  | 12   | 17   | 12  | 9   | 8  | 10  | 6   | 6                                       | 4   | 19  | 9   | 3                               | 7       | 13  | 25   |
| MAX                     | 29  | 38   | 40   | 31  | 34   | 38   | 21  | 10  | 14   | 19  | 14  | 14                                      | 13  | 42  | 26  | 8                               | 10      | 34  | 42   |