

Air Quality Summary – October 2025

Intrusion of smoke from prescribed burning in north Idaho and poor atmospheric ventilation resulted in somewhat elevated PM_{2.5} concentrations in Spokane County on October 30th and 31st (**Figure 1**). The highest daily Air Quality Index (AQI) value for the month was 90, which was recorded at the air monitoring station located at Augusta & Fiske in Spokane. The PM_{2.5} 24-hour average mass concentration was 29.8 micrograms per cubic meter of air (µg/m³). While that is a relatively high reading, it is much lower than levels recorded in September when smoke from regional wildfires pushed the AQI to its highest levels so far this year (**Tables 1 and 2**).

The highest 24-hour average PM₁₀ concentration in October was 42 µg/m³ (AQI = 39, GOOD). The AQI was in the GOOD category on 24 days, MODERATE on 7 days for a total of 185 GOOD, 116 MODERATE, and 3 USG days in 2025 as of the end of September (**Table 3**).

Figure 1: Daily Air Quality Index (AQI) values for October 2025. The data represent the maximum AQI values for PM₁₀ and PM_{2.5} across the air monitoring network in Spokane County.

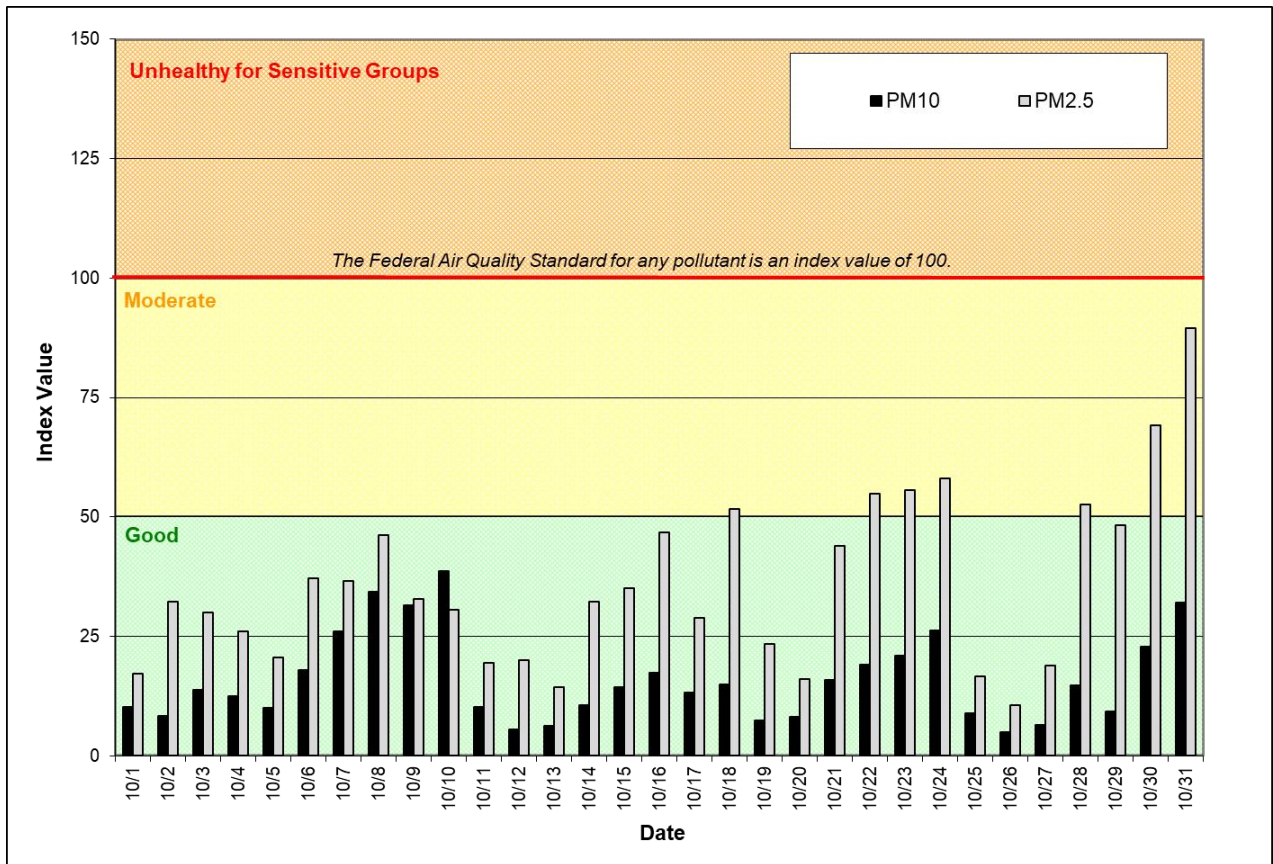


Table 1: Maximum AQI values and pollutant concentrations for this reporting period.

Pollutant	AQI		Location	Date
Ozone	Ozone is monitored each year between May 1 and September 30.			
PM ₁₀	39 (concentration = 42 µg/m ³)	Good	Spokane – Augusta & Fiske	10/10
PM _{2.5}	90 (concentration = 29.8 µg/m ³)	Moderate	Spokane – Augusta & Fiske	10/31

Table 2: Maximum AQI values and pollutant concentrations for 2025.

Pollutant	AQI		Location	Date
Ozone	74 (concentration = 0.062)	Moderate	Spokane-Greenbluff	5/30, 7/1
PM ₁₀	51 (mass conc. = 55 µg/m ³)	Moderate	Spokane – Augusta & Fiske	1/28
PM _{2.5}	126 (conc. = 45.5 µg/m ³)	USG	Spokane – Monroe & Wellesley	9/6

Table 3: Air Quality Index (AQI) summary, October 2025.

Category	Number of days in October	Number of days this year
Good (0-50)	24	185
Moderate (51-100)	7	116
Unhealthy for Sensitive Groups, USG (101-150)	0	3
Unhealthy (151-200)	0	0
Very Unhealthy (201-300)	0	0
Hazardous (>300)	0	0