Monthly Air Quality Report
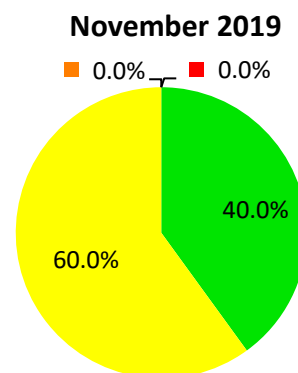# November 2019 · Birmingham, AL

SUMMARY

This report presents daily maximum Air Quality Index (AQI) values and corresponding AQI colors from five different pollutants monitored in the Birmingham area: carbon monoxide (CO), particulate matter (PM_{10} and $PM_{2.5}$), ozone (O_3), and sulfur dioxide (SO_2). The table and figure below show the number of days and percentage of days in each AQI category, respectfully, for the month.

November 2019	
AQI Category	**Number of Days**
Good	12
Moderate	18
Unhealthy for Sensitive Groups	0
Unhealthy	0

November 2019

■ 0.0%   ■ 0.0%

40.0%
60.0%

AQI CHART

AQI Levels of Health Concern	AQI Value	Actions to Take
Good	0-50	None
Moderate	51-100	Unusually sensitive people should consider limiting prolonged outdoor exertion
Unhealthy for Sensitive Groups	101-150	The following groups should limit prolonged outdoor exertion: • People with heart or lung disease • Children and older adults • People who are active outdoors
Unhealthy	151-200	The following groups should avoid prolonged outdoor exertion: • People with heart or lung disease • Children and older adults • People who are active outdoors Everyone else should limit prolonged outdoor exertion
Very Unhealthy	201-300	The following groups should avoid all outdoor exertion: • People with heart or lung disease • Children and older adults • People who are active outdoors Everyone else should limit outdoor exertion

DAILY AQI VALUES

The table below shows this month's daily maximum AQI values and corresponding AQI category for each pollutant. O_3 is not reported November through February.

Date	CO	PM$_{10}$	PM$_{2.5}$	SO$_2$
1	7	11	27	1
2	8	18	37	2
3	11	19	54	17
4	11	31	67	4
5	7	30	59	6
6	13	30	61	8
7	13	24	64	5
8	5	12	39	1
9	11	19	50	3
10	14	25	66	4
11	11	31	57	3
12	6	6	20	1
13	6	13	37	6
14	6	17	51	8
15	5	18	53	2
16	7	20	58	2
17	13	25	62	3
18	10	37	62	4
19	6	39	54	2
20	9	41	53	28
21	11	31	66	9
22	7	25	58	3
23	7	35	27	1
24	7	12	23	1
25	9	27	59	4
26	10	18	54	3
27	2	27	38	1
28	2	7	21	6
29	7	19	35	34
30	8	17	42	9

All data displayed in this report is preliminary and have not been through quality assured and quality controlled procedures. The AQI is used for forecasting and reporting daily air quality and is not used for compliance purposes. For daily air quality forecasts and real-time monitoring data, go to www.jcdh.org.

AIR QUALITY ALERTS

Air quality alerts are issued for days that are forecast to have AQI values greater than 100 for O_3 and/or $PM_{2.5}$. O_3 is forecast by the Alabama Department of Environmental Management from about mid-April through mid-October. $PM_{2.5}$ is forecast by the Jefferson County Department of Health year-round.

No air quality alerts were issued in November. There have been a total of 10 air quality alerts issued in 2019 through November.
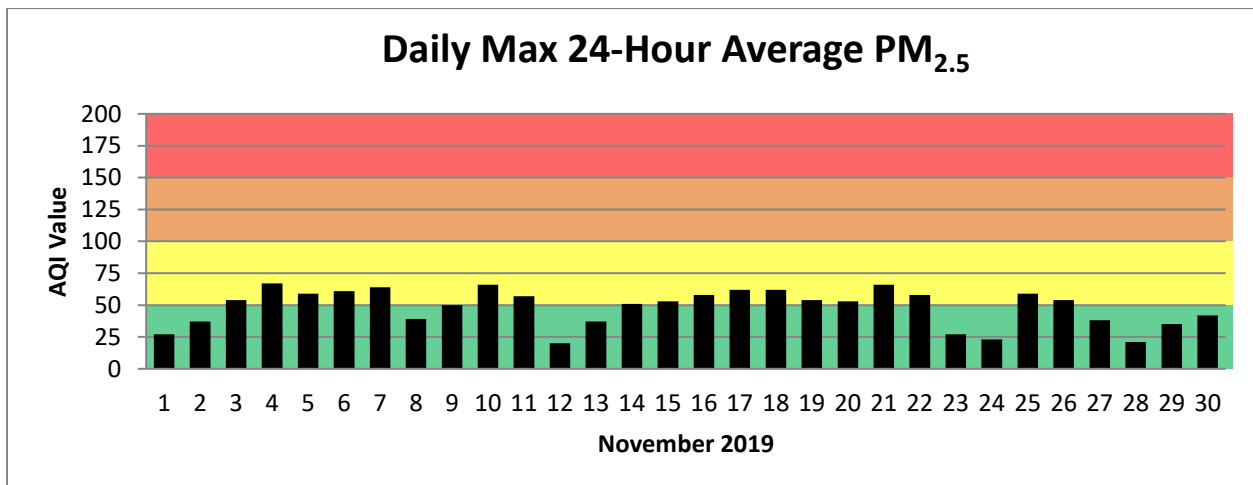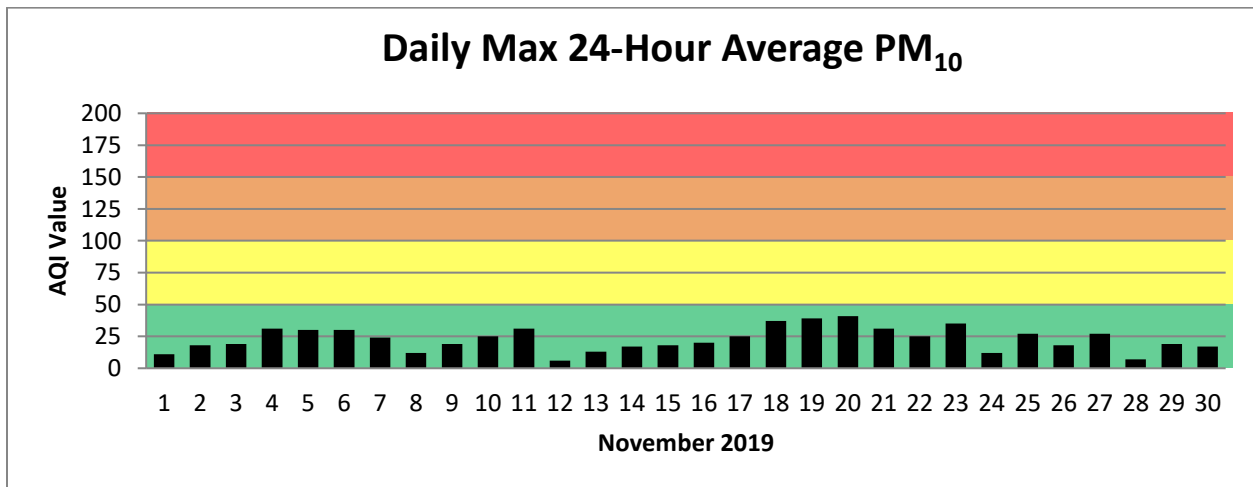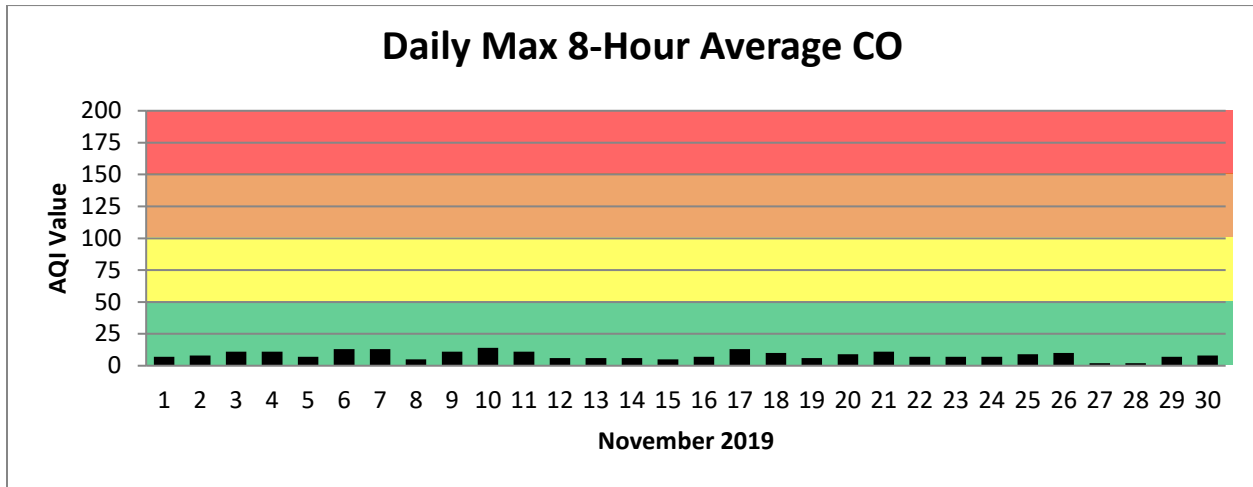
METEOROLOGICAL CONDITIONS

The calendar below shows all reported weather conditions within the hourly weather observations for each day of the month from the National Weather Service's station located at the Birmingham International Airport.

NOVEMBER 2019						
SUN	MON	TUE	WED	THU	FRI	SAT
					1	2
3	4	5	6	7 BR, RA	8	9
10	11 BR, RA	12 BR, RA	13	14 RA	15 RA	16 BR
17	18	19 RA	20	21	22 BR, RA	23 BR, RA
24	25	26	27 BR, RA	28	29	30 RA, TS

Weather phenomena and obscuration notations as used by the National Weather Service:

Drizzle (DZ)	Fog (FG)	Freezing Drizzle (FZDR)	Freezing Rain (FZRA)
Haze (HZ)	Hail (GR)	Ice Pellets (PL)	Mist (BR)
Rain (RA)	Smoke (FU)	Snow (SN)	Thunderstorms (TS)

GRAPHS OF DAILY AQI VALUES BY POLLUTANT

Daily Max 8-Hour Average CO

AQI Value — November 2019

Daily Max 24-Hour Average PM$_{10}$

AQI Value — November 2019

Daily Max 24-Hour Average PM$_{2.5}$

AQI Value — November 2019

Daily Max 1-Hour Average SO$_2$

AQI Value / November 2019