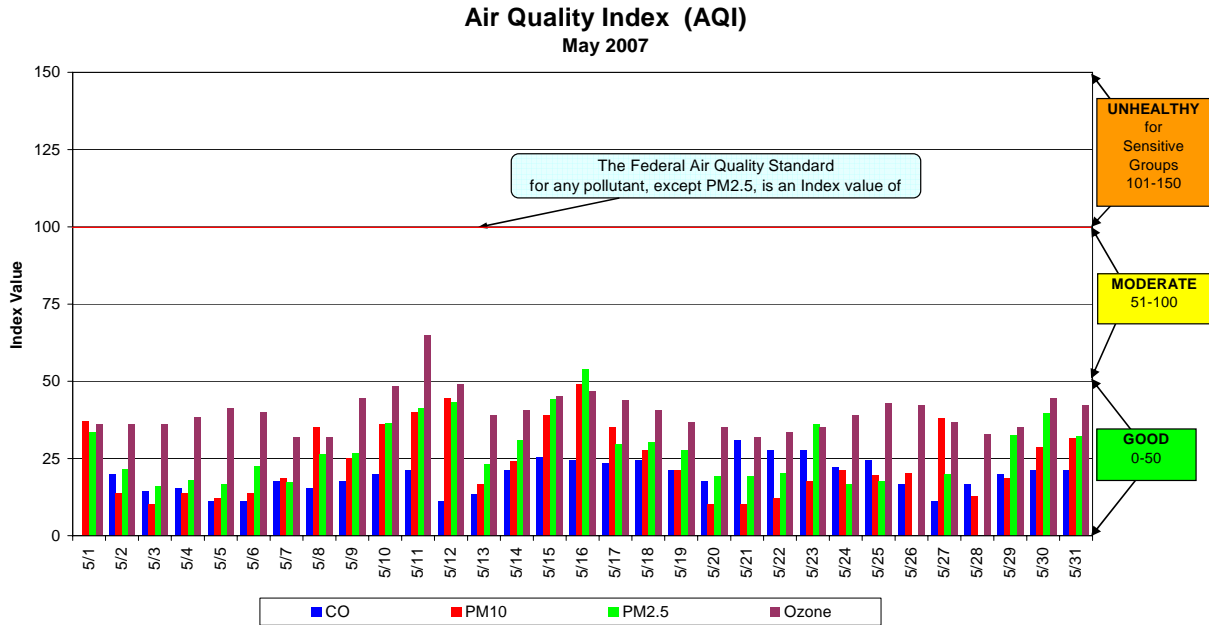


Air Quality Report May 2007

The chart below shows the daily maximum Air Quality Index (AQI) for May 2007. Carbon Monoxide (CO), particulate matter (PM₁₀ and PM_{2.5}), and ozone (O₃) are the criteria air pollutants defined by the US EPA that are monitored in the Spokane area. Air quality information is updated hourly on the Spokane Regional Clean Air Agency (Spokane Clean Air) web page (http://www.spokanecleanair.org/air_quality.asp). There were no measured exceedances of federal air quality standards in May.



The following tables contain the maximum AQI values for each pollutant for May and for the year to date. A table summarizing the year to date daily AQIs by category follows on the next page.

Maximum for this reporting period

Pollutant	AQI/Concentration	Location	Date
CO	31/2.8 ppm	3 rd & Washington	5/21/07
PM ₁₀	49/53 µg/m ³	Freya & Ferry	5/16/07
PM _{2.5}	54/17.5 µg/m ³	Freya & Ferry	5/16/07
O ₃	65/0.071 ppm	Greenbluff	5/11/07

Maximum for the current year

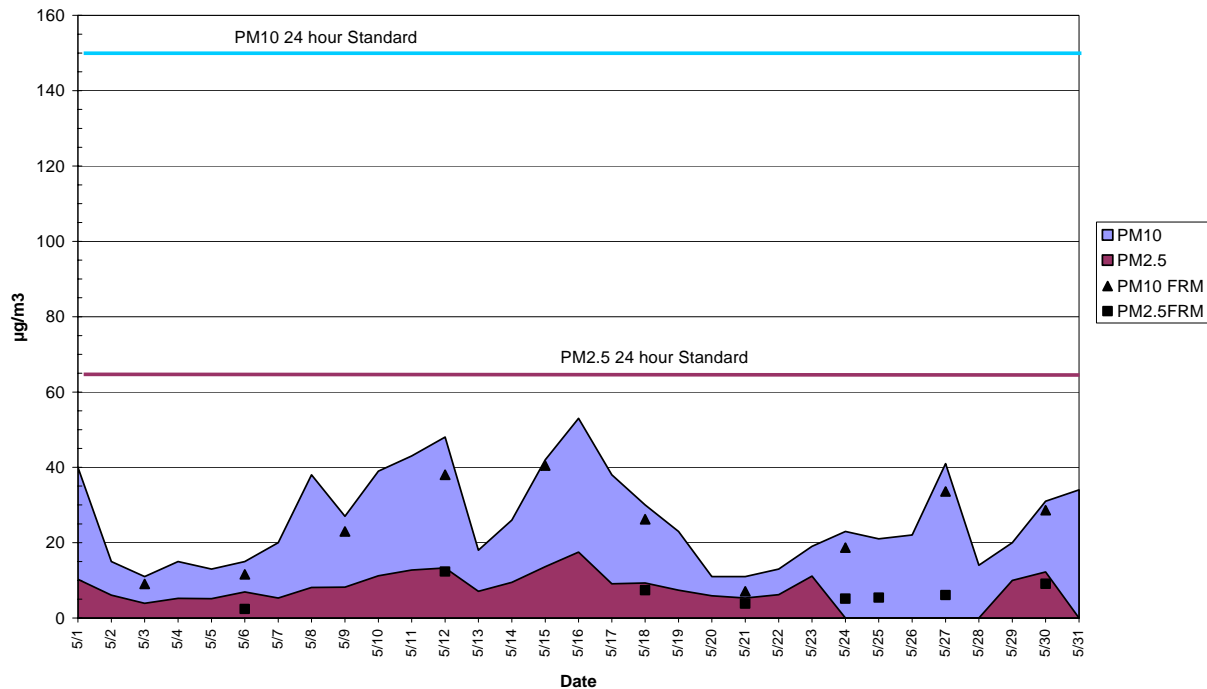
Pollutant	AQI/Concentration	Location	Date
CO	34/3.1 ppm	3 rd & Washington	1/19/07
PM ₁₀	49/53 µg/m ³	Freya & Ferry	5/16/07
PM _{2.5}	79/30 µg/m ³	Freya & Ferry	1/15/07
O ₃	65/0.071 ppm	Greenbluff	5/11/07

AQI Summary as of May 31, 2007

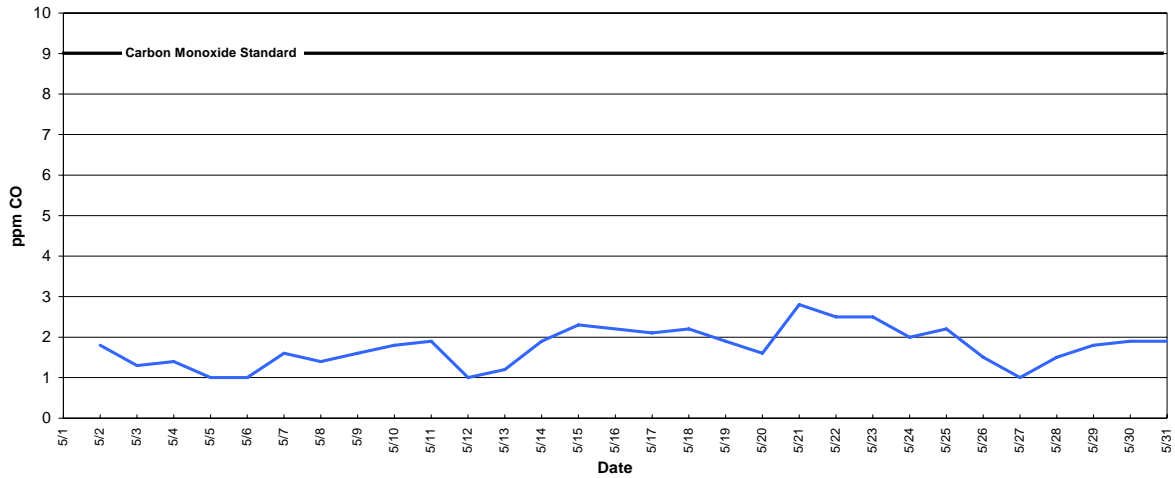
Category	Number of Days This Year	Last Year to Date
Good (0-50)	134	135
Moderate (51-100)	17	16
Unhealthy for Sensitive Groups (101-150)	0	0
Unhealthy (151-200)	0	0
Very Unhealthy (201-300)	0	0
Hazardous (>300)	0	0

The next chart compares the concentrations of PM₁₀ and PM_{2.5} measured at the Freya & Ferry monitoring site. The site is located in a commercial, light industrial area on the east edge of the City of Spokane. The data shown in solid colors were measured using Tapered Element Oscillating Microbalance (TEOM) continuous analyzers. The TEOM is an automated method and provides “real time” data, which Spokane Clean Air uses in its day-to-day programs. The manually-operated Federal Reference Method (FRM) provides a more accurate measurement of the 24-hour average particulate matter concentration than the TEOM and meets the requirements for demonstrating attainment of federal air quality standards. The accuracy of the TEOM sample data can be verified by comparison with co-located FRM data. The correlation (r^2) between the TEOM and FRM data is 0.98 for PM₁₀ and 0.94 for PM_{2.5} for May.

Freya & Ferry Particulate Matter Data
24hr Average Daily Maximum

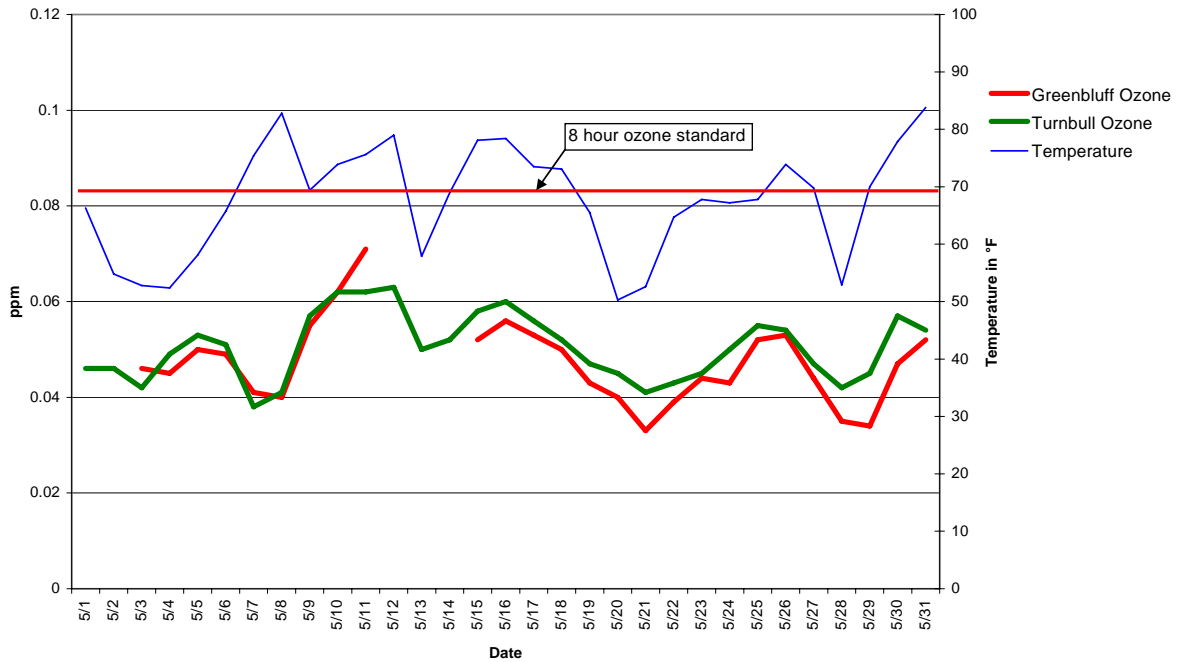


Maximum Daily 8 Hour Average CO Values 3rd & Washington, Spokane



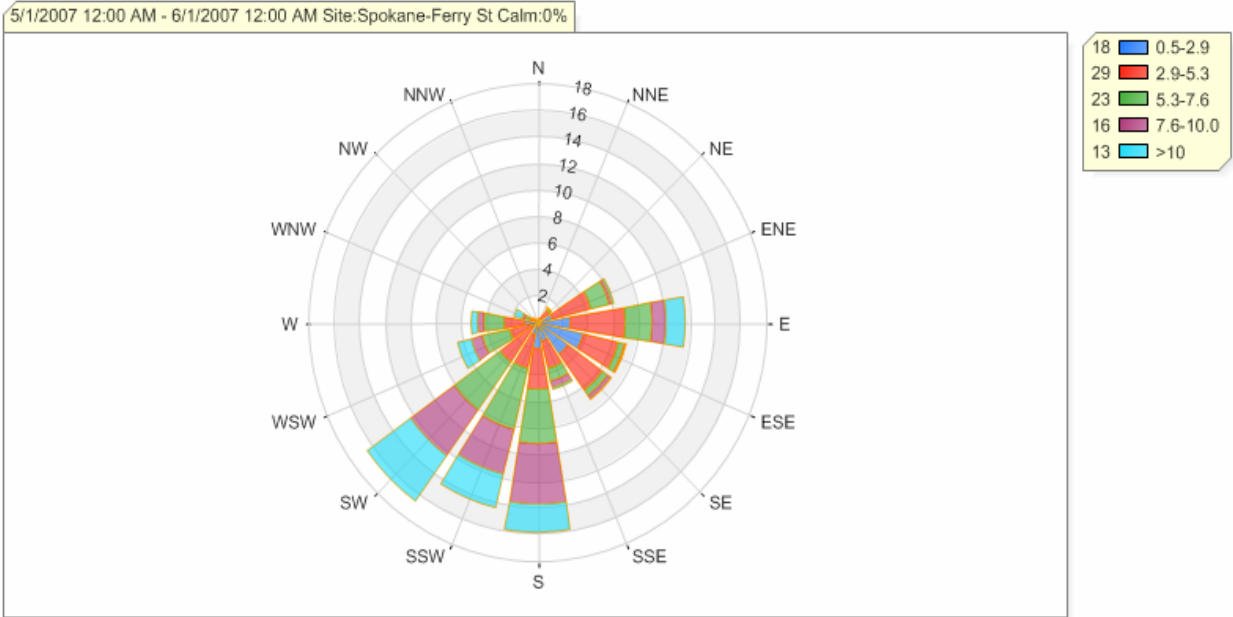
Ozone data for the two Spokane County sites, Greenbluff in the foothills of Mt. Spokane and Turnbull Wildlife Refuge southwest of the metropolitan area, are shown below. The ozone data are plotted along with the temperature data from the Crown Z site. Temperature is a good surrogate for sunlight in the photochemical reaction that forms ozone. Ozone is monitored May 1 through September 30.

Eight Hour Maximum Ozone Concentrations for Spokane Greenbluff & Turnbull Sites (with daily maximum temperature)



May 2007 Air Quality Report

The wind rose below summarizes hourly average wind speeds (mph) and directions (degrees) measured at the Freya and Ferry Site in May. The predominant wind direction for higher wind speeds was south to southwest. For lower wind speeds (< 5.3 mph) it was east to southeast.



May 2007 Air Quality Report

The table below summarizes the air quality data for May from all of the analyzers operated in Spokane County. The CO data are 8-hour maximums in parts per million (ppm), the PM data are 24-hour averages in micrograms per cubic meter of air ($\mu\text{g}/\text{m}^3$) and the ozone data are 8-hour maximums in parts per million (ppm).

Date	CO 3rd & Washington (ppm)	PM10 Freya & Ferry TEOM ($\mu\text{g}/\text{m}^3$)	PM10 Freya & Ferry FRM ($\mu\text{g}/\text{m}^3$)	PM2.5 Freya & Ferry TEOM ($\mu\text{g}/\text{m}^3$)	PM2.5 Freya & Ferry FRM ($\mu\text{g}/\text{m}^3$)	PM10 Monroe & College TEOM ($\mu\text{g}/\text{m}^3$)	PM10 Monroe & College FRM ($\mu\text{g}/\text{m}^3$)	PM2.5 Monroe & College TEOM ($\mu\text{g}/\text{m}^3$)	PM2.5 Monroe & College FRM ($\mu\text{g}/\text{m}^3$)	PM10 Turnbull Wildlife Refuge FRM ($\mu\text{g}/\text{m}^3$)	PM2.5 Turnbull Wildlife Refuge ($\mu\text{g}/\text{m}^3$)	PM10 Garland & Market ($\mu\text{g}/\text{m}^3$)	PM10 Liberty Lake ($\mu\text{g}/\text{m}^3$)	PM10-2.5 Liberty Lake ($\mu\text{g}/\text{m}^3$)	PM2.5 Liberty Lake ($\mu\text{g}/\text{m}^3$)	Ozone Greenbluff (ppm)	Ozone Cheney-Turnbull WR (ppm)
5/1/2007		40		10.3		27.8		9.5								0.011	0.046
5/2/2007	1.8	15		6.1		8.2		6.6									0.046
5/3/2007	1.3	11	9	3.9		5.5		4.9								0.046	0.042
5/4/2007	1.4	15		5.2		8.1		5.5								0.045	0.049
5/5/2007	1	13		5.1		8.8		5.1								0.050	0.053
5/6/2007	1	15	12	6.9	2.4	11.6	10	6.2	4.1	7	3	11	10.6	6.2	4.4	0.049	0.051
5/7/2007	1.6	20		5.3		13.8		4.9								0.041	0.038
5/8/2007	1.4	38		8.1		21.7		6.8								0.040	0.041
5/9/2007	1.6	27	23	8.2		21.2		7.2								0.055	0.057
5/10/2007	1.8	39		11.2		33.1		9.9								0.062	0.062
5/11/2007	1.9	43		12.7		33.7		10.5								0.071	0.062
5/12/2007	1	48	38	13.3	12.3	34.9	34	12.6	10.1	26	8	36	25.1	15.2	9.9		0.063
5/13/2007	1.2	18		7.1		11.5		6.9									0.050
5/14/2007	1.9	26		9.5		18.3		8.3									0.052
5/15/2007	2.3	42	40	13.6		37.9		10.6								0.052	0.058
5/16/2007	2.2	53		17.5		47										0.056	0.060
5/17/2007	2.1	38		9.1		28.4		8.6								0.053	0.056
5/18/2007	2.2	30	26	9.3	7.4	24.8	24	9	6.8	15	6	25	23.6	17.1	6.5	0.050	0.052
5/19/2007	1.9	23		7.4		18.5		8.5								0.043	0.047
5/20/2007	1.6	11		5.9		8.3		5.8								0.040	0.045
5/21/2007	2.8	11	7	5.3	3.8	5.6		5.9								0.033	0.041
5/22/2007	2.5	13		6.2		8		5.2								0.039	0.043
5/23/2007	2.5	19		11.1												0.044	0.045
5/24/2007	2	23	19		5.1		15		4.8	9	4	15	9.7	5.6	4.1	0.043	0.050
5/25/2007	2.2	21			5.4											0.052	0.055
5/26/2007	1.5	22														0.053	0.054
5/27/2007	1	41	34		6.1											0.044	0.047
5/28/2007	1.5	14														0.035	0.042
5/29/2007	1.8	20		10												0.034	0.045
5/30/2007	1.9	31	29	12.2	9.1	20.8	20	8.6	7.5	13	5	25	13.7	8.3	5.4	0.047	0.057
5/31/2007	1.9	34				28.7		9.9								0.052	0.054