



**MONTHLY AIR QUALITY REPORT FOR
NOVEMBER 2009**

AOI COLOR SCALE

GOOD	MODERATE	UNHEALTHY FOR SENSITIVE GROUPS	UNHEALTHY
0-50	51-100	101-150	151-200

Calendar of maximum AQI values & their corresponding color for November 2009*

*Preliminary data

SAMPLE POLLUTANT REPORTING BOX

1 (day of month)	O3	CO
	PM10	PM2.5

	SUN			MON			TUES			WED			THU			FRI			SAT	
1	42	27	2	39	25	3	39	24	4	38	26	5	40	22	6	33	28	7	33	31
	83	66		63	63		64	49		76	64		75	66		79	73		68	80
8	36	25	9	32	18	10	37	22	11	34	24	12	30	26	13	31	17	14	35	08
	55	57		55	50		76	60		67	60		71	60		43	30		46	37
15	39	10	16	36	20	17	37	23	18	40	24	19	38	28	20	36	30	21	36	33
	42	42		63	52		64	62		73	72		74	86		73	67		66	70
22	40	26	23	41	27	24	36	16	25	36	22	26	36	19	27	37	23	28	40	22
	57	79		64	66		70	66		67	59		52	53		59	66		59	56
29	34	07	30	30	15															
	51	54		36	60															

Calendar of High Pollution Advisories and Health Watches issued during November 2009

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

LEGEND

HIGH POLLUTION ADVISORIES
A = PM-10 High Pollution Advisory
B = PM-2.5 High Pollution Advisory
C = Ozone High Pollution Advisory

HEALTH WATCHES
D = PM-10 Health Watch
E = PM-2.5 Health Watch
F = Ozone Health Watch

Calendar of Meteorological Conditions observed in Metro Phoenix during November 2009

SUN			MON			TUE			WED			THU			FRI			SAT		
1		E	2			3		E	4		E	5			6			7		E
8			9			10			11		E	12			13			14		B
15		C	16			17			18		E	19		E	20			21		E
22		E	23			24			25		E	26			27			28		B
29	A	B	30		B															D
	D																			E

LEGEND

ELECTROMETEORS
A = Thunderstorm

HYDROMETEORS
B = Rain/Drizzle/Hail/Snow
C = Fog

LITHOMETEORS
D = Blowing Dust
E = Haze (vsby <10SM)
F = Smoke

Exceedance days during NOV 2009-

Total= 0 Date Max AQI Pollutant Site/s

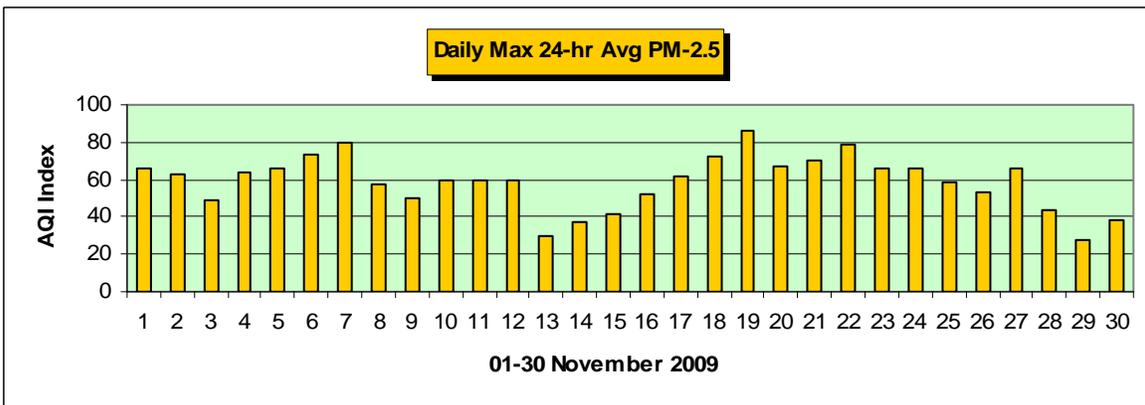
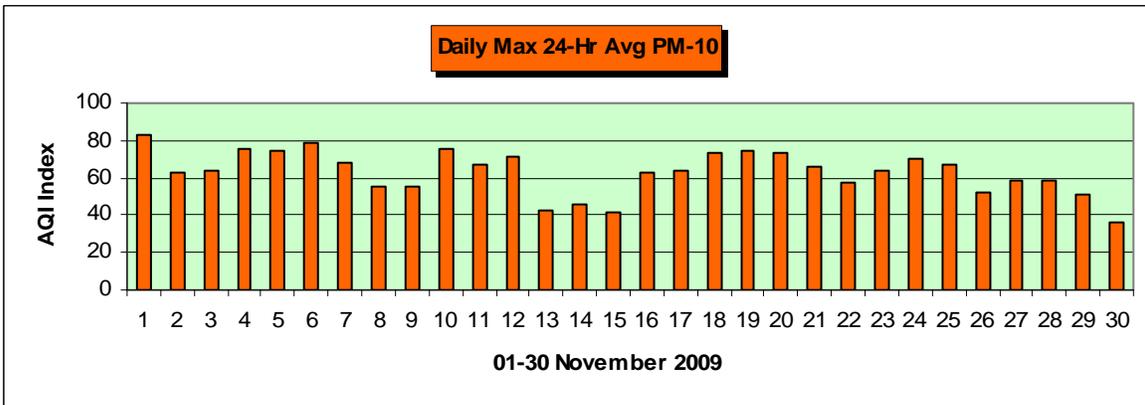
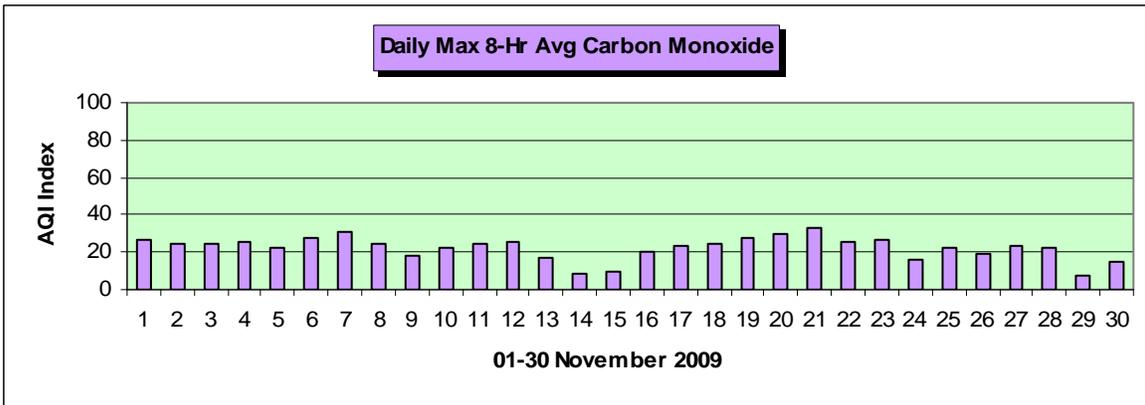
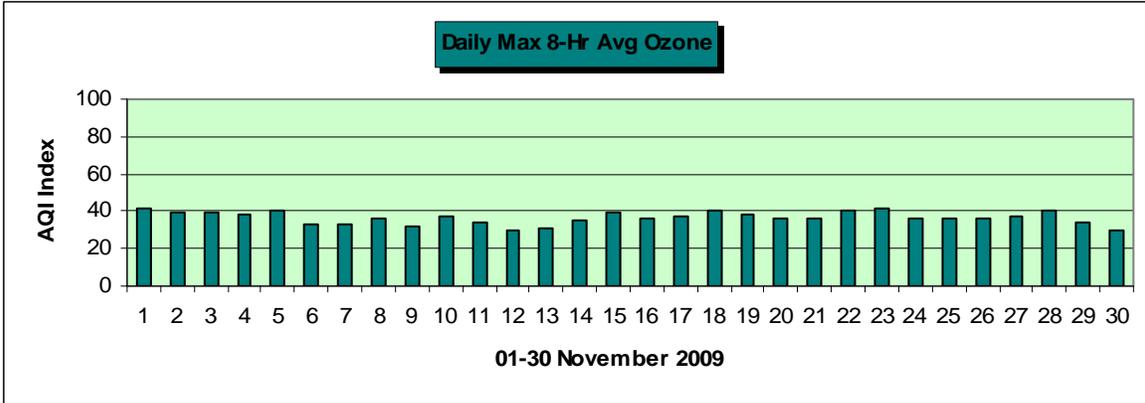
Health Watches issued during NOV 2009-

Total= 3 Date Max AQI Pollutant Site/s
11/02 63 PM-10 Durango
11/12 71 PM-10 West Forty Third
11/25 59 PM-2.5 Durango

High Pollution Advisories issued during NOV 2009-

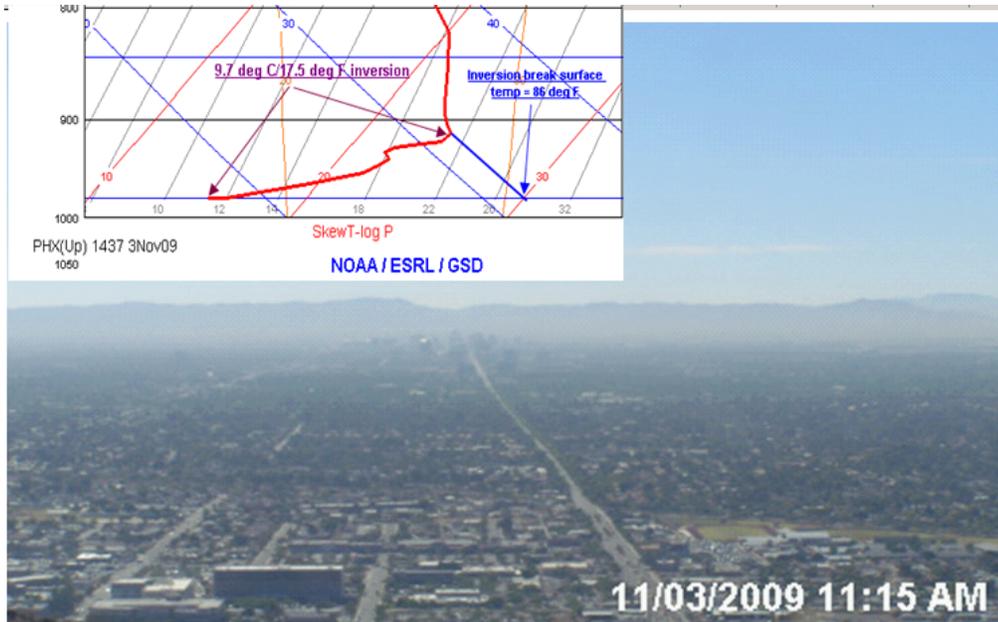
Total= 0 Date Max AQI Pollutant Site/s

Concentration Recap: Days in the **Good** category: 3
Days in the **Moderate** category: 27
Days in the **Unhealthy for Sensitive Groups** category: 0
Days in the **Unhealthy** category: 0
Total Forecast Days: 30



Narrative:

Although no unhealthy air quality was measured over the Phoenix metro area during the month of November 2009, the frequency and longevity of ridging aloft over or near the state of AZ resulted in many days with less than favorable dispersion. This, along with strong overnight inversion formation and a paucity of rainfall, contributed to quite a few days with coarse (PM-10) and/or fine (PM-2.5) particle pollution at elevated levels, i.e., at or above 70 on the AQI scale. Only four days during October 2009 had dispersion in the MARGINAL category; during November 2009 there were 10 such days along with four days with POOR dispersion. Aside from the degraded air quality, local visibilities were also impacted in a negative fashion as can be seen from the following photos for the local VISNET camera network. This was especially true during days with high humidity, as the second photo illustrates. -Reith



ADEQ
Arizona Department of Environmental Quality

Live Camera Sites

- South Mountain
- Estrella Mountains
- White Tank Mountains
- Camelback Mountain
- Superstition Mountains

Phoenix Region Visibility Index
Current Index 25
Details

EXCELLENT
GOOD
FAIR
POOR
VERY POOR

Annual Summary

Today's Air Quality Forecast

Image Updated Every 15 Minutes

South Mountain

11/15/2009 08:30 AM

Zoom In Refresh High Res Image Landmarks Map It

Temperature 49°F 10°C Humidity 82 %

48 Hour Image Archive 48 Hour Data Record

