



MONTHLY AIR QUALITY REPORT FOR
FEBRUARY 2005

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 February 2005*

*Preliminary data

SAMPLE POLLUTANT REPORTING BOX

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

SUN			MON			TUES			WED			THU			FRI			SAT		
						1	31	28	2	30	24	3	30	10	4	31	25	5	30	13
							54	33		64	22		44	24		69	29		35	32
6	34	09	7	30	09	8	33	27	9	33	28	10	31	35	11	25	07	12	24	09
	23	38		28	32		55	49		62	44		73	24		08	16		07	09
13	33	18	14	27	25	15	31	20	16	29	26	17	27	30	18	26	20	19	31	09
	24	27		45	38		64	51		53	58		52	39		15	16		05	15
20	30	15	21	28	18	22	24	10	23	31	14	24	32	11	25	32	25	26	34	19
	10	18		20	17		13	15		33	22		16	30		41	38		26	33
27	38	14	28	34	25															
	20	29		49	41															

Exceedance days during FEB 2005-

Total= 0 Date Max AQI Pollutant Site/s

Health Watches issued during FEB 2005-

Total= 0 Date Max AQI Pollutant Site/s

High Pollution Advisories issued during FEB 2005-

Total= 0 Date Max AQI Pollutant Site/s

Concentration Recap:

Days in the Good category:	19
Days in the Moderate category:	9
Days in the Unhealthy for Sensitive Groups category:	0
Days in the Unhealthy category:	<u>0</u>
Total Forecast Days:	28

Narrative:

Air pollution was minimal over the Phoenix metropolitan area during February 2005. On only nine days did concentrations of PM-10 and/or PM-2.5 reach the moderate range of the AQI index. Meanwhile, ozone and carbon monoxide levels were quite low. The weather pattern was largely responsible; the mid-latitude storm track brought a series of upper troughs over Arizona, many of which yielded considerable precipitation and breezy to gusty winds. Rainfall was observed over the forecast area on 15 days during the month. Some desert sites had already reached their annual rainfall totals during the first two months of 2005. Stagnant periods did occur but were short-lived. The most significant episode took place from the 14th thru the 17th. During that four day span dispersion was marginal on three days and poor on the fourth and the mixing depth was as shallow as 2400'. -Reith

