



Janet Napolitano, Governor
 Stephen A. Owens, ADEQ Director

MONTHLY AIR QUALITY REPORT FOR
MARCH 2005

AQI COLOR SCALE

GOOD 0-50	MODERATE 51-100	UNHEALTHY FOR SENSITIVE GROUPS 101-150	UNHEALTHY 151-200
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Calendar of maximum AQI values & their corresponding color for March 2005*

*Preliminary data

SAMPLE POLLUTANT REPORTING BOX

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

SUN			MON			TUES			WED			THU			FRI			SAT		
						1	35	19	2	36	19	3	36	16	4	38	22	5	32	06
							57	63		69	58		68	53		56	45		14	12
6	32	11	7	29	19	8	33	14	9	41	22	10	45	27	11	45	27	12	43	25
	11	26		35	35		59	60		69	60		66	46		73	55		55	47
13	49	20	14	39	10	15	45	14	16	42	17	17	38	17	18	40	22	19	39	07
	34	35		62	28		46	22		59	28		67	40		63	43		24	37
20	38	07	21	39	15	22	41	15	23	39	19	24	38	08	25	41	10	26	39	13
	17	29		47	29		60	30		74	24		37	22		20	19		32	19
27	44	18	28	38	24	29	41	08	30	45	09	31	45	08						
	24	25		61	34		57	25		51	26		60	18						

Exceedance days during MAR 2005-

Total= 0 Date Max AQI Pollutant Site/s

Health Watches issued during MAR 2005-

Total= 0 Date Max AQI Pollutant Site/s

High Pollution Advisories issued during MAR 2005-

Total= 0 Date Max AQI Pollutant Site/s

Concentration Recap: Days in the **Good** category: 12
Days in the **Moderate** category: 19
Days in the **Unhealthy for Sensitive Groups** category: 0
Days in the **Unhealthy** category: 0
Total Forecast Days: 31

Narrative: No rain of consequence fell over the local forecast area after the 6th of the month as the mid-latitude storm track began to shift farther north. Although a series of upper troughs affected the area during that period, the main impact from them was gusty winds. Blowing and airborne dust was observed over the metro area on the 14th, 23rd, and 29th, and elevated coarse particle concentrations (PM-10) were the result. Other days with relatively high PM-10 levels were mostly due to stagnant conditions that developed under a stable weather pattern. This was particularly the case during the first 11 days of the month; on 7 of the days both coarse and fine particle concentrations were in the moderate range of the Air Quality Index. On four of the days during that period dispersion was marginal, and prevailing visibility was at times reduced below 10 statute miles in haze. Meanwhile, maximum concentrations of carbon monoxide and ozone were in the good range, although those of ozone trended upward from the month prior – mainly due to the higher sun angle and longer day length. -Reith

