



ADDENDUM

ADEQ Annual Air Quality Report for 2003

Issued 9/24/2004

The attached tables contain corrections to typographical errors.

Replace Table 13, pp. 34-37:

Correction to Yuma - Juvenile Courthouse statistics

Replace Table 22, pp. 52-55:

Correction to Rillito - APCC statistics.

<i>Table 13: 2002 PM₁₀ Data (in Fg/m³)</i>					
Site or City	Method	Annual Average	24-Hour Average		Data Recovery* (in percent)
			Max Value	2nd High	
Apache County					
Springerville – Coalyard	Dichot	13	97	41	100
Springerville – Coyote Hills	Dichot	10	87	30	92
Cochise County					
Douglas – Red Cross	Dichot	32	127	69	98
Paul Spur	Partisol	16	63	38	97
Coconino County					
Flagstaff – Middle School #	Dichot	17	49	27	49
Sedona – Post Office #	Dichot/ Partisol	15	55	46	87
Gila County					
Hayden – Old Jail #	Dichot	34	122	64	80
Miami – Golf Course	Dichot	23	55	43	100
Miami – Ridgeline	Dichot	13	52	36	100
Payson #	Partisol	26	46	46	87
Graham County					
Safford	Dichot	26	87	49	95
Maricopa County					
Central Phoenix	Hi-Vol	43	81	76	100
Chandler	Hi-Vol	56	128	117	100
Estrella	Dichot	31	92	68	85
Glendale	Hi-Vol	40	88	85	98
Higley	Hi-Vol	63	138	134	95
Maryvale	Hi-Vol	45	142	90	92
Mesa	Hi-Vol	36	102	86	100
North Phoenix	Hi-Vol	37	80	72	98
Palo Verde	Dichot	29	100	78	97

Table 13: 2002 PM ₁₀ Data (in Fg/m ³)					
Site or City	Method	Annual Average	24-Hour Average		Data Recovery* (in percent)
			Max Value	2nd High	
Phoenix – Durango Complex	Hi-Vol	70	232	158	100
Phoenix – Greenwood	Hi-Vol	55	116	102	100
Phoenix – JLG Supersite #	Dichot	33	72	52	74
Phoenix – Salt River	Hi-Vol	81	249	174	98
Phoenix - West 43rd Avenue # (Opened 4/01/02)	Hi-Vol	68	172	135	100
South Phoenix	Hi-Vol	60	137	123	100
South Scottsdale	Hi-Vol	37	64	62	100
Surprise	Hi-Vol	32	81	67	97
Tempe – Community Center	Dichot	35	65	60	90
West Chandler	Hi-Vol	39	80	77	100
West Phoenix	Hi-Vol	53	122	98	100
Mohave County					
Bullhead City – ADEQ #	Dichot	19	56	50	79
Bullhead City – SCE # (Closed 9/29/02)	Hi-Vol	N/A	114	88	72
Kingman – Praxair NE #	Hi-Vol	14	44	38	79
Kingman – Praxair SW #	Hi-Vol	14	45	32	74
Navajo County					
Show Low #	Partisol	15	53	50	59
Pima County					
Ajo – ADOT	Partisol	19	50	46	95
Green Valley	Hi-Vol	20	98	75	99
Organ Pipe Cactus National Monument #	Dichot	11	27	26	72
Rillito – ADEQ	Dichot	37	70	69	100
Rillito – APCC	Hi-Vol	31	199	140	95
South Tucson – ADEQ	Dichot	29	64	50	95
South Tucson – PDEQ	Hi-Vol	39	200	192	99

Table 13: 2002 PM ₁₀ Data (in Fg/m ³)					
Site or City	Method	Annual Average	24-Hour Average		Data Recovery* (in percent)
			Max Value	2nd High	
Tucson – Broadway and Swan	Hi-Vol	26	62	54	100
Tucson – Corona de Tucson (ADEQ) #	Dichot	15	30	28	89
Tucson – Corona de Tucson (PDEQ)	Hi-Vol	15	40	30	97
Tucson – Craycroft	Dichot	26	53	44	90
Tucson – Orange Grove, PDEQ	Hi-Vol	33	171	125	99
Tucson – Orange Grove, ADEQ	Dichot	43	116	92	98
Tucson – Prince Road	Hi-Vol	34	83	62	98
Tucson – Santa Clara	Hi-Vol	28	86	53	100
Tucson – Tangerine	Hi-Vol	19	63	58	98
Tucson – U of A Central	Dichot	27	56	47	92
Pinal County					
Apache Junction – Maintenance Yard (North) #	Hi-Vol	21	62	47	87
Apache Junction – Maintenance Yard (South) #	Hi-Vol	21	62	49	71
Casa Grande – Downtown #	Hi-Vol	30	69	67	87
Casa Grande – Eleven Mile Corner # (Closed 7/22/02)	Hi-Vol	69	311	150	41
Coolidge – Maintenance Yard #	Hi-Vol	33	106	80	84
Eloy – City Complex #	Hi-Vol	46	146	110	84
Mammoth – County Complex #	Hi-Vol	19	53	49	87
Pinal Air Park #	Hi-Vol	30	62	58	66
Pinal County Housing Complex# (Opened 8/01/02)	Hi-Vol	57	166	99	36
Stanfield #	Hi-Vol	60	352	185	84
Santa Cruz County					
Nogales – Post Office	Dichot	51	188	116	93

Table 13: 2002 PM ₁₀ Data (in Fg/m ³)					
Site or City	Method	Annual Average	24-Hour Average		Data Recovery* (in percent)
			Max Value	2nd High	
Yavapai County					
Clarkdale – School # (Closed 4/23/02)	Dichot	13	18	17	79
Clarkdale – NW (#2)	Dichot	19	127	61	100
Clarkdale – SE (#1)	Dichot	28	86	66	100
Prescott # (Closed 6/25/02)	Partisol	13	19	18	43
Yuma County					
Yuma – Juvenile Center/Courthouse	Dichot/ Partisol	47	125	115	96
Mexico					
Agua Prieta – Fire Station	Dichot	68	182	162	95
Nogales – Fire Station #	Dichot	69	198	152	87

Bold denotes an exceedance, defined as any daily value greater than 150 Fg/m³ when rounded to the nearest 10 Fg/m³ and any average value greater than 50 Fg/m³ when rounded to the nearest 1 Fg/m³.

*Valid data recovery is the percentage of valid samples collected of the total number of scheduled samples. There were 61 monitoring days scheduled in 2002 for monitors on the every 6th day schedule. Bullhead City - SCE and Rillito - APCC were the only sites following the every 3rd day schedule (122 observations in 2002)

N/A – Not available

#Indicates the data do not satisfy EPA's summary criteria, usually meaning less than 75 percent valid data recovery available in one or more calendar quarters.

Notes:

- Bullhead City - SCE – 3-day sampling schedule
- Clarkdale - School – Closed 4/14/02
- Flagstaff - Middle School closed April - Sept. for site repairs.
- Page – Navajo Generating Station data received too late for publication.
- Rillito - APCC – Exceedance occurred on 1 in 3 sample day
- Yuma - 8/18/02 sample of 170 flagged as exceptional event and excluded from calculations.

Table 22: 2000 to 2002 Maximum 24-Hour Average PM₁₀ Compliance (in µg/m³)

NAAQS: Expected occurrence of exceedances (samples equal to or greater than 150 µg/m³) is one or less over three consecutive years.

Sample values are rounded to the nearest 10 Fg/m³ to determine exceedance; values less than or equal to 154 Fg/m³ are not exceedances; values greater than or equal to 155 Fg/m³ are exceedances.

NOTE: Final EPA Compliance figures for sites with averages marked with '#' may differ from values published here.

	2000 to 2002 PM ₁₀ Maximum 24-Hour Compliance Values, By County			
	Sites with Exceedances			Sites in Violation
	2000	2001	2002	
Apache	0	0	0	0
Cochis	0	0	0	0
Coconino	0	0	0	0
Gila	0	0	0	0
Maricopa	7	3	2	7
Mohave	0	0	0	0
Navajo	0	0	0	0
Pima	0	0	3	1
Pinal	1	0	2	2
Santa Cruz	0	1	1	0
Yavapai	0	0	0	0
Yuma	0	0	0	0

Summary: 54 of 64 monitors in compliance for 2000 to 2002

Table 22: 2000 to 2002 Maximum 24-Hour Average PM₁₀ Compliance (in Fg/m³)

City or Site	2000		2001		2002		3-Year Avg Expected Rate of Exceedance
	Max 24-Hr Avg	Exp. Exc.	Max 24-Hr Avg	Exp. Exc.	Max 24-Hr Avg	Exp. Exc.	
Apache County							
Springerville – Coalyard	31	0	35	0	97	0	<1.0
Springerville – Coyote Hills	20 #	0	27	0	87	0	<1.0 #
Cochise County							
Douglas – Red Cross	104	0	137 #	0	127	0	<1.0 #
Paul Spur	58	0	55	0	63	0	<1.0
Coconino County							
Flagstaff – Middle School	39	0	47 #	0	49 #	0	<1.0 #
Sedona	24	0	23 #	0	55 #	0	<1.0 #
Gila County							
Hayden – Old Jail	86 #	0	141	0	122 #	0	<1.0 #
Miami – Golf Course	59	0	108	0	55	0	<1.0
Miami – Ridgeline	62	0	104	0	52	0	<1.0

Table 22: 2000 to 2002 Maximum 24-Hour Average PM₁₀ Compliance (in Fg/m³)

City or Site	2000		2001		2002		3-Year Avg Expected Rate of Exceedance
	Max 24- Hr Avg	Exp. Exc.	Max 24- Hr Avg	Exp. Exc.	Max 24- Hr Avg	Exp. Exc.	
Payson	88	0	62	0	46 #	0	<1.0 #
Graham County							
Safford	94 #	0	68	0	87	0	<1.0 #
Maricopa County							
Central Phoenix	135	0	124	0	81	0	<1.0
Chandler	202	6.6	146	0	128	0	2.2
Estrella	82 #	0	122 #	0	92	0	<1.0 #
Glendale	122	0	110	0	88	0	<1.0
Higley	327 #	8.3#	176	6.0	138	0	4.8 #
Maryvale	173	6.1	123	0	142	0	2.0
Mesa	126	0	98	0	102	0	<1.0
North Phoenix	114	0	99	0	80	0	<1.0
Palo Verde	75	0	71 #	0	100	0	<1.0 #
Phoenix – Durango Complex	300	11.8	189	6.0	232	12.0	9.9
Phoenix – Greenwood	164	11.8	145	0	116	0	3.9
Phoenix – JLG Supersite	84	0	109	0	72 #	0	<1.0 #
Phoenix – Salt River	244	42.7	281	49.0	249	12.4	34.7
South Phoenix	175	6.1	143	0	137	0	2.0
South Scottsdale	100	0	110	0	64	0	<1.0
Tempe – Community Center	95	0	109	0	65	0	<1.0
West Chandler	135	0	134	0	80	0	<1.0
West Phoenix	151	0	142	0	122	0	<1.0
Mohave County							
Bullhead City – ADEQ	42	0	39 #	0	56 #	0	<1.0 #
Bullhead City – SCE (Closed 9/29/02)	79	0	51 #	0	114 #	0	N/A

Table 22: 2000 to 2002 Maximum 24-Hour Average PM₁₀ Compliance (in Fg/m³)

City or Site	2000		2001		2002		3-Year Avg Expected Rate of Exceedance
	Max 24- Hr Avg	Exp. Exc.	Max 24- Hr Avg	Exp. Exc.	Max 24- Hr Avg	Exp. Exc.	
Kingman – Praxair NE	55 #	0	37	0	44 #	0	<1.0 #
Kingman – Praxair SW	53 #	0	36	0	45 #	0	<1.0 #
Navajo County							
Show Low	35 #	0	58 #	0	53 #	0	<1.0 #
Pima County							
Ajo – ADOT	47	0	34	0	50	0	<1.0
Green Valley	63	0	78	0	98	0	<1.0
Organ Pipe Cactus National Monument	29	0	23	0	27 #	0	<1.0 #
Rillito – ADEQ	129 #	0	89	0	70	0	<1.0 #
Rillito – APCC	77	0	77	0	199	3.1	1.0
South Tucson – PDEQ	142	0	134	0	200	2	<1.0
Tucson – Broadway/Swan	119	0	120	0	62	0	<1.0
Tucson – Corona de Tucson (PDEQ)	88	0	133	0	40	0	<1.0
Tucson – Craycroft	117	0	115	0	53	0	<1.0
Tucson – Orange Grove (PDEQ)	141	0	111	0	171	1	<1.0
Tucson – Prince Road	89	0	125	0	83	0	<1.0
Tucson – Santa Clara	97	0	131	0	86	0	<1.0
Tucson – Tangerine	71	0	81	0	63	0	<1.0
Tucson – U of A Central	75	0	122	0	56	0	<1.0
Pinal County							
Apache Junction – Maintenance Yard (North)	111	0	49	0	62 #	0	<1.0 #
Apache Junction – Maintenance Yard (South)	107	0	94	0	62 #	0	<1.0 #
Casa Grande – Downtown	83	0	104	0	69 #	0	<1.0 #
Casa Grande – Eleven Mile Corner (Closed 7/22/02)	321	12.1	146	0	311 #	6.5	6.2 #

Table 22: 2000 to 2002 Maximum 24-Hour Average PM₁₀ Compliance (in Fg/m³)

City or Site	2000		2001		2002		3-Year Avg Expected Rate of Exceedance
	Max 24- Hr Avg	Exp. Exc.	Max 24- Hr Avg	Exp. Exc.	Max 24- Hr Avg	Exp. Exc.	
Coolidge – Maintenance Yard	77	0	73	0	106 #	0	<1.0 #
Eloy – City Complex	102	0	142	0	146 #	0	<1.0 #
Mammoth – County Complex	64	0	99	0	53 #	0	<1.0 #
Pinal Air Park	74	0	103	0	62 #	0	<1.0 #
Stanfield	149	0	134	0	352 #	13.0	4.3 #
Santa Cruz County							
Nogales – Post Office	130	0	213	6.0	188	6.0	4.0
Yavapai County							
Clarkdale – School (Closed 4/23/02)	37	0	31	0	18 #	0	<1.0 #
Clarkdale – NW (#2)	55	0	141	0	127	0	<1.0
Clarkdale – SE (#1)	74	0	122	0	86	0	<1.0
Prescott (Closed 6/25/02)	25	0	32 #	0	19 #	0	<1.0 #
Yuma County							
Yuma – Juvenile Center/Courthouse	132 #	0	150 #	1	125	0	<1.0 #

N/A – Not available

Indicates the data do not satisfy EPA's summary criteria, usually meaning less than 75 percent valid data recovery available in one or more calendar quarters.

Values in bold indicate exceedances or violations of the 24 hour standard.