



**MONTHLY AIR QUALITY REPORT FOR**  
**OCTOBER 2006**

AOI COLOR SCALE

<b>GOOD</b>	<b>MODERATE</b>	<b>UNHEALTHY FOR SENSITIVE GROUPS</b>	<b>UNHEALTHY</b>
<b>0-50</b>	<b>51-100</b>	<b>101-150</b>	<b>151-200</b>

Calendar of maximum AQI values & their corresponding color for October 2006\*

\*Preliminary data

SAMPLE POLLUTANT REPORTING BOX

<b>1</b> (day of month)	<b>O3</b>	<b>CO</b>
	<b>PM10</b>	<b>PM2.5</b>

	SUN	MON	TUES	WED	THU	FRI	SAT						
1	48 34 52 53	2	33 18 69 48	3	38 24 78 47	4	34 26 87 48	5	32 17 106 54	6	28 11 47 36	7	40 17 54 46
8	34 22 43 36	9	38 18 26 35	10	41 18 43 37	11	42 30 55 52	12	40 34 56 53	13	35 34 69 41	14	34 18 23 28
15	40 16 27 36	16	41 20 54 37	17	41 20 58 40	18	40 18 57 42	19	36 24 72 39	20	37 31 76 48	21	41 35 62 51
22	40 31 52 50	23	38 33 78 60	24	30 18 56 40	25	34 22 43 32	26	33 17 49 23	27	36 28 69 44	28	37 34 80 60
29	34 43 58 54	30	36 28 77 59	31	40 33 76 57								

**Calendar of High Pollution Advisories and Health Watches issued during October 2006**

SUN			MON			TUE			WED			THU			FRI			SAT		
1			2			3			4			5			6			7		
8			9			10			11			12			13			14		
15			16			17			18			19			20			21		
22			23			24			25			26			27			28		
29			30			31														
									NONE ISSUED											

**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

**Exceedance days during OCT 2006-**

Total=	1	<u>Date</u>	<u>Max AQI</u>	<u>Pollutant</u>	<u>Site/s</u>
		10/05	106	PM-10	Higley

**Health Watches issued during OCT 2006-**

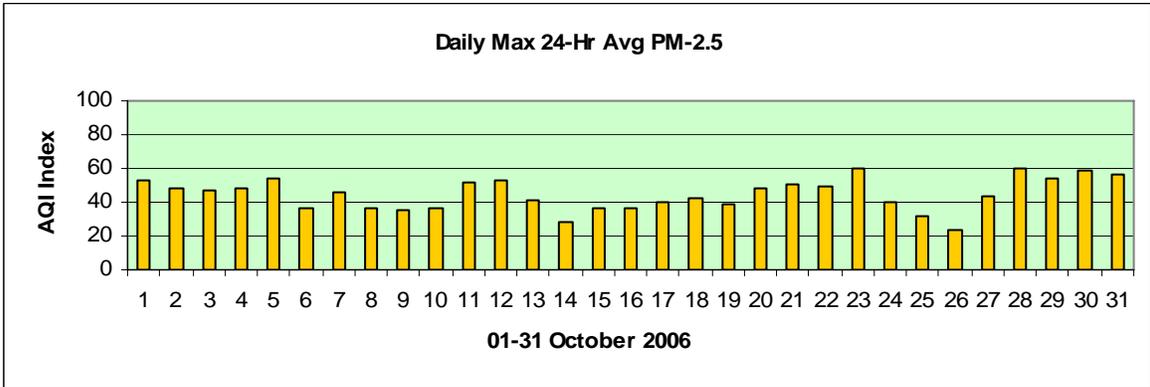
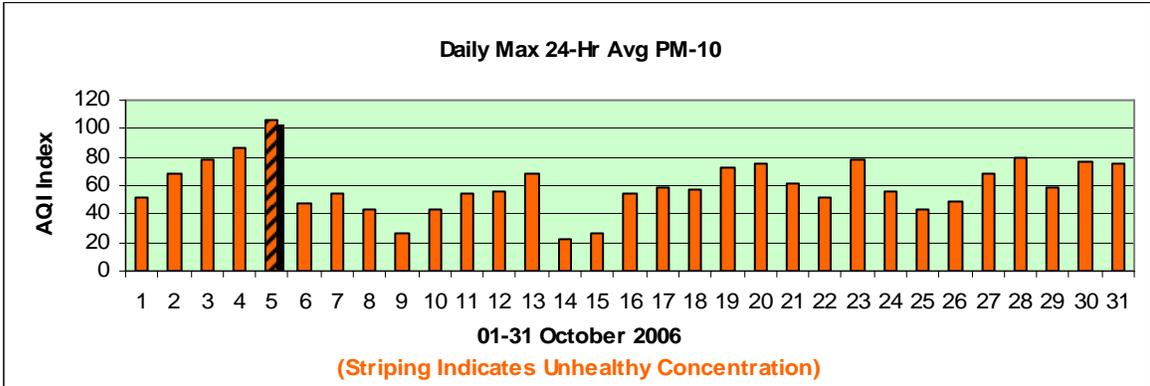
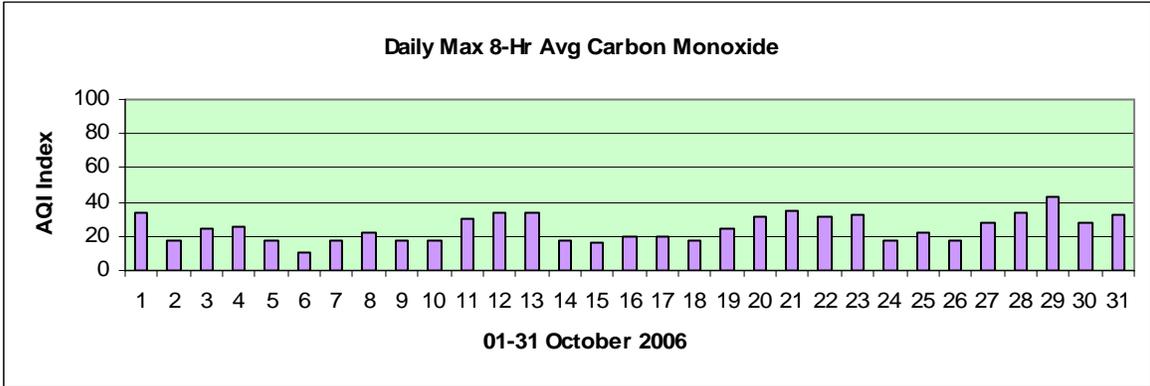
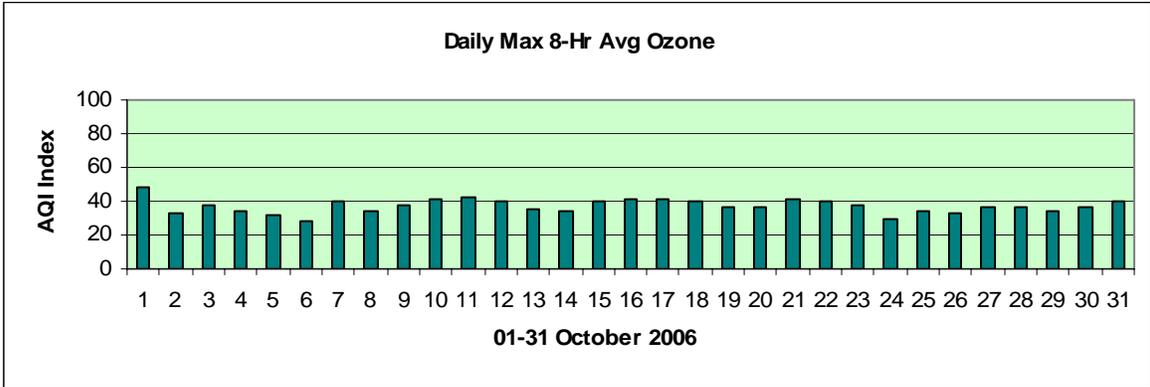
Total=	0	<u>Date</u>	<u>Max AQI</u>	<u>Pollutant</u>	<u>Site/s</u>
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**High Pollution Advisories issued during OCT 2006-**

Total=	0	<u>Date</u>	<u>Max AQI</u>	<u>Pollutant</u>	<u>Site/s</u>
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**Concentration Recap:**

Days in the <b>Good</b> category:	8
Days in the <b>Moderate</b> category:	22
Days in the <b>Unhealthy for Sensitive Groups</b> category:	1
Days in the <b>Unhealthy</b> category:	0
Total Forecast Days:	31



Narrative:

Local weather conditions during October 2006 was a mixed bag that included thunderstorms (5th, 6th, and 13th), blowing dust (5th), significant haze (3rd, 4th, 7th, 12th, 21st, 23rd, 24th, 27th, 28th, 30th, and 31st), smoke from a California wild fire (30th and 31st), and heavy but isolated downpours of rain (5th, 8th, and 14th), along with trough (9th, 18th, 24th, 29th) and frontal (8th, 14th, 17th) passages. The local 2006 ozone season officially ended on September 30 and the particle pollution season began on October 1; however, due to the active mid-latitude storm track, the magnitude of air mass stagnation episodes were below their potential and of short duration. The only incident of unhealthy levels of PM-10 occurred on the 5th and was confined to a small geographic area of the valley as the result of blowing dust. The dust storm was generated by outflow winds produced by a line of showers and thunderstorms; winds gusted up to 35 mph and visibility dropped to as low as 2 1/2 miles at an airport in proximity to the air monitoring site. -Reith