
Exceedance days during OCT 2004-

Total=	1	<u>Date</u>	<u>Max AQI</u>	<u>Pollutant</u>	<u>Site/s</u>
		10/09	103	PM-10	Higley

Health Watches issued during OCT 2004-

Total=	1	<u>Date</u>	<u>Max AQI</u>	<u>Pollutant</u>	<u>Site/s</u>
		10/11	52	PM-10	Durango & Higley

High Pollution Advisories issued during OCT 2004-

Total=	0	<u>Date</u>	<u>Max AQI</u>	<u>Pollutant</u>	<u>Site/s</u>
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<u>Concentration Recap:</u>	Days in the Good category:	10
	Days in the Moderate category:	20
	Days in the Unhealthy for Sensitive Groups category:	1
	Days in the Unhealthy category:	<u>0</u>
	Total Forecast Days:	31

Narrative:

Except for PM-10 (coarse particles), maximum air pollutant concentrations were in the good range every day during October 2004. Weather conditions for the month ranged from hot and dry during the first two weeks to cool and moist the last 10 days. A combination of rather stagnant conditions and episodes of blowing dust contributed to the higher PM-10 levels. An exceedance of the federal health standard for PM-10 occurred at the Higley site on the 9th. This was due to fugitive dust emissions caused by southwesterly winds over 30 mph associated with the approach of a strong mid-latitude trough. The highest hourly PM-10 concentration at that site on that day was 965ug/m³ at 11:00 a.m. Readings were close to the health standard at the West Forty Third site on the 15th, but this was due to particles trapped by a stagnant air mass that brought a significant return of the *Valley Brown Cloud*. The approach of a strong cold front on the 21st brought another day of gusty winds and blowing dust and resulted in a 24-hr PM-10 concentration near the health standard at the Higley site. Fortunately, this front also brought widespread rain that kept PM-10 concentrations in the good range until the approach of yet another trough with high winds on the 26th; PM10 readings rose into the moderate range that day. That trough also brought widespread precipitation and the moist soil conditions lasted thru the end of the month. Lingering high surface relative humidity did not permit the accurate collection of PM-2.5 data on the 28th. -Reith

