



Air Quality

ISSUED ON: Thu. Jul 20, 2017

This report is updated Monday through Friday and is valid for areas within and bordering Phoenix, Arizona

Today Thursday 7/20/2017 <div style="text-align: center; font-size: 2em; font-weight: bold;">84</div> <div style="text-align: center; font-weight: bold;">Ozone</div>	Health Statement: Unusually sensitive people should consider reducing prolonged outdoor exertion.
Tomorrow Friday 7/21/2017 <div style="text-align: center; font-size: 2em; font-weight: bold;">97</div> <div style="text-align: center; font-weight: bold;">Ozone</div>	<div style="text-align: center; font-size: 2em; font-weight: bold; border: 2px solid black; padding: 5px;">HW</div> Health Statement: Unusually sensitive people should consider reducing prolonged outdoor exertion.
Extended Saturday 7/22/2017 <div style="text-align: center; font-size: 2em; font-weight: bold;">77</div> <div style="text-align: center; font-weight: bold;">Ozone</div>	Health Statement: Unusually sensitive people should consider reducing prolonged outdoor exertion.
Extended Sunday 7/23/2017 <div style="text-align: center; font-size: 2em; font-weight: bold;">74</div> <div style="text-align: center; font-weight: bold;">Ozone</div>	Health Statement: Unusually sensitive people should consider reducing prolonged outdoor exertion.
Extended Monday 7/24/2017 <div style="text-align: center; font-size: 2em; font-weight: bold;">80</div> <div style="text-align: center; font-weight: bold;">Ozone</div>	Health Statement: Unusually sensitive people should consider reducing prolonged outdoor exertion.

“High Pollution Advisory” (HPA): Is when the highest concentration of OZONE, PM10, or PM2.5 may exceed the federal health standard.

“Health Watch” (HW): Is when the highest concentration of OZONE, PM10 or PM2.5 may approach the federal health standard.

Air Pollutant Breakdown

O3 = Ozone, CO = Carbon Monoxide, PM10 = Particles 10 microns & smaller, PM2.5 = Particles smaller than 2.5 microns

Pollutant	Yesterday 7/19/2017	Thursday 7/20/2017	Friday 7/21/2017	Saturday 7/22/2017	Sunday 7/23/2017	Monday 7/24/2017
O ₃	74	84	97	77	74	80
CO	7	6	8	6	5	6
PM ₁₀	31	39	37	38	36	38
PM _{2.5}	28	29	28	27	26	29

Forecast Continued:

Synopsis & Discussion

Forecaster: –R. Nicoll

We are still under a typical monsoon weather pattern with the subtropical ridge dominating most of the United States. However, tomorrow is looking like it will be the calmest day of the forecast period. This may allow ozone levels to approach the federal health standard. Therefore, we are issuing an ozone Health Watch for tomorrow. Beginning Saturday, better afternoon winds and a little higher chance for thunderstorms in the area should lower ozone levels back below Health Watch criteria. As for particulates, stable soils from recent rains should prevent any significant dust issues. As a result, particulates are forecast to remain in the Good range through the forecast period.

Check back on Friday for a closer look at the weekend's weather and air quality. Until then, have a good day!



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