



MARICOPA COUNTY DUST CONTROL FORECAST

ISSUED Thursday, February 26, 2015

Five-day weather outlook:

The synoptic pattern continues to have a large trough over most of the United States and a large ridge over the eastern Pacific. Currently we are having great weather, but with another low pressure system expected to move through this weekend, breezy winds, cooler temperatures, and rain are likely. Temperatures in the mid 70's will continue the next couple days before dropping into the low 60's over the weekend. Strongest winds are anticipated on Saturday which could cause a few isolated pockets of dust, particularly in areas of southern Maricopa County that did not receive rain earlier in the week. However, the majority of the county will not have any major dust concern. The trough this weekend is expected to be fairly deep, allowing for good moisture transport into the region from the Gulf of California. This means that this weekend and into early next week will likely see precipitation for most of Arizona. This would be very beneficial, as moist soils from the rain will stabilize the soils, helping prevent a dust event in the near future. As for this forecast period; without a significant wind event, the risk of exceeding the PM-10 health standard in Maricopa County is forecast to remain Low through Tuesday. Check back on Friday for a closer look at this weekend's weather! -R.Nicoll

R I S K F A C T O R S

	<u>WINDS</u>	<u>STAGNATION</u>	<u>UNHEALTHY PM-10 RISK LEVEL</u>
Day 1: Fri. 2/27/2015	Light winds becoming southerly around 5-10 mph.	+ No stagnation expected due to strong upper-level winds.	= LOW
Day 2: Sat. 2/28/2015	Southwesterly winds around 10-15 mph with higher gusts possible.	+ No stagnation expected due to strong upper-level winds.	= LOW
Day 3: Sun. 3/1/2015	Southwesterly winds 5-10 mph.	+ No stagnation expected due to strong upper-level winds and precipitation.	= LOW

EXTENDED OUTLOOK

Day 4: Mon. 3/2/2015	Southwesterly winds 5-10 mph.	+ No stagnation expected due to strong upper-level winds and precipitation.	= LOW
Day 5: Tue. 3/3/2015	Southerly winds becoming westerly 5-10 mph.	+ No stagnation expected due to strong upper-level winds.	= LOW

The Maricopa County Dust Control Action Forecast is issued to assist in the planning of work activities to help reduce dust pollution. A recorded message of this forecast can be accessed at [602-771-2368](tel:602-771-2368). To review the complete air quality forecast for the Phoenix metropolitan area, as well as the health impacts and reduction methods for different air pollutants, call [602-771-](tel:602-771-)

2367 for recorded forecast information or click on ADEQ's Air Quality Forecast at <http://www.azdeq.gov/environ/air/ozone/ensemble.pdf>.

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