

GREEN VALLEY AND VICINITY DUST ENTRAINMENT RISK WIND FORECAST

ISSUED Wednesday, January 18, 2017

Three-day weather outlook:

We expect one more quiet day today, but active weather should begin tomorrow. Rain is forecast to begin tomorrow morning and continue off-and-on until Saturday as two weather systems push through in quick succession. In addition to rain, we will see breezy winds and cooler temperatures as well. Fortunately, due to the rain, no dust issues are expected. Therefore, the dust risk is forecast to remain Low through the forecast period. Check back tomorrow for the next update. –R.Nicoll



PM-10 (COARSE PARTICLES)

Description – The term "particulate matter" (PM) includes both solid particles and liquid droplets found in air. Many manmade and natural sources emit PM directly or emit other pollutants that react in the atmosphere to form PM. Particles less than 10 micrometers in diameter tend to pose the greatest health concern because they can be inhaled into and accumulate in the respiratory system. Particles with
Clamelers between 2.5 and 10 micrometers are referred to as coarse .
existing respiratory diseases, such as asthma and chronic bronchitis.
Exposure reduction measures – During high-wind or other events that prompt a forecasted MODERATE or

HIGH risk of transported dust over the Green Valley area, sensitive persons should remain indoors and close windows and doors.

<u>Units of measurement</u> – Micrograms per cubic meter (μ g/m³).



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