

## Summary of ozone exceedances on July 1 and 2, 2016

Monsoon moisture from the southeast direction brought rain showers during the night of July 1 and July 2. The dew-point temperature hovered in the 50 to 60 degrees F range on both days. A general high pressure condition produced few clouds during the day. Localized low wind speed upslope valley airflow toward the northwest persisted during afternoon hours. The combination of surface moisture from the nocturnal rain events, moist atmosphere, slow airflow across the valley in the daytime hours with sunshine in the midday hours produced ozone concentrations well over 80 parts per billion (ppb); one hour reached 91 ppb at the Joe Neal site. The 8-hour averages were in the low 70s both days at three sites on the western side of the valley, which exceeded the National Ambient Air Quality Standard of 70 ppb.