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Exceedance days during NOV 2004-

Total= 0      Date      Max AQI      Pollutant      Site/s

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Health Watches issued during NOV 2004-

Total= 0      Date      Max AQI      Pollutant      Site/s

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High Pollution Advisories issued during NOV1 2004-

Total= 0      Date      Max AQI      Pollutant      Site/s

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Concentration Recap:

Days in the <b>Good</b> category:	15
Days in the <b>Moderate</b> category:	15
Days in the <b>Unhealthy for Sensitive Groups</b> category:	0
Days in the <b>Unhealthy</b> category:	<u>0</u>
Total Forecast Days:	30

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Narrative:

The weather during November included four rainy episodes between the 7th and the 22nd due to mid-latitude trough passages. Of interest was the fact that following the first precipitation event on the 7th, the low-level air mass never dried out significantly until the 28th. In fact, during the morning hours the relative humidity was so high that heavy dew and fog were a fairly common occurrence between the 7th and the 28th. (High RH also did not permit the acquisition of accurate PM-2.5 data by Nephelometer equipment on the 7th thru the 9th). The saturation process was aided by frequent temperature inversions and light winds that caused low mixing heights and impaired dispersion. This in turn led to quite a few days characterized by rather poor visibility, at least by local standards. Only a portion of the visibility degradation was due to water vapor, however. Stagnant conditions led to a recommendation against fireplace wood burning on Thanksgiving Day; however, fine particle (PM-2.5) concentrations still increased into the moderate range on the 25th and 26th. Also, the National Weather Service issued an Air Stagnation Advisory for the period 10:00 a.m. on the 24th thru 11:00 a.m. on the 26th. Thus the *Valley Brown Cloud* of trapped particle pollution was visible on many days during November. Meanwhile, maximum concentrations of ozone and carbon monoxide were in the good range every day, which is typical during the month of November. -Reith

