

Summary of 1 January 2014 PM2.5 (Smoke) Exceedance

High pressure had built over the Western US resulting in stable weather conditions with south-southwest winds less than or equal to 12mph for the period. Overnight, a surface based inversion formed which acted as a capping mechanism in the lower atmosphere trapping smoke produced by the firework displays provided by the various casinos around the Las Vegas area. The high levels of trapped smoke resulted in an Air Quality Index of Unhealthy which is an exceedance for the 24-hr PM2.5.