

NO₂ Air Quality Data Update 2007-2008 Design Values

The following is a brief summary of EPA's 2008 air quality update for nitrogen dioxide (NO₂) based on ambient monitoring data for the period 2007 through 2008.

During the period:

- The original one area designated nonattainment for the annual NO₂ NAAQS in 1990 met the NO₂ NAAQS in 2008 (Table 1).
- There were no additional areas not meeting the annual NO₂ NAAQS.

EPA's National Ambient Air Quality Standard for nitrogen dioxide is the annual arithmetic mean concentration of 0.053 parts per million (ppm).

Air quality data from EPA's Air Quality System (AQS) were used to calculate the NO₂ design values. The data used for these calculations were obtained from AQS on July 9, 2009. As of August 26, 2009, no regulatory decisions on attainment status have been made for any area based on these specific calculations.

For information concerning these data, contact:

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Table 1. Areas previously designated nonattainment for the Annual Mean Nitrogen Dioxide NAAQS, Final 2008

<u>Designated Area</u>	<u>State</u>	<u>EPA Region</u>	<u>Designation Status</u>	<u>2007-2008 Design Value (1)</u>	<u>Met NAAQS 2008?</u>
Los Angeles South Coast Air Basin, CA	CA	9	Maintenance	0.0314	Yes

1. The National Ambient Air Quality Standard for nitrogen dioxide is 0.053 parts per million (ppm) not to be exceeded during the year.

The design value for the NO2 NAAQS is the highest annual average 1-hour concentration during the most recent two years. Design values were calculated using sites that are at least 75% complete for the year.

2. Data that have been flagged for exceptional events, for which documentation has been submitted and approved by the EPA (AQS concurrence field set to ‘Y’), were excluded from the design value calculations. In several situations, submitted documentation is still under review and as such, revisions to design values are possible.
 SOURCE: U.S. EPA’s Air Quality System (AQS) as of July 09, 2009.