Dallas-Fort Worth Air Quality Update

Office of Air
Air Quality Division
David Brymer, Director

State Implementation Plan Public Information Meeting
Arlington, Texas
September 5, 2013
Dallas-Fort Worth (DFW) Area Trends in Ozone Design Values and Human Population from 1991-2012

*Design Values are from EPA’s AQS.
**Population from US Census Bureau.
Eight-Hour Ozone Regulatory Design Value ($D_{VR}$) Changes by Monitor - 2003 / 9-4-2013

Color Coding:
- Monitors in red were operational prior to 2000
- Monitors in blue began operation in 2000
- Monitors in green began operation after 2000

Note:
- 2013 values were updated on September 4 and are subject to change by the end of the ozone season.
DFW Area Fourth-Highest Eight-Hour Ozone Levels
Current Monitors That Began Operation Before 2000

- Dallas Executive Airport
- Dallas Hinton Street
- Dallas North #2
- Denton Airport South
- Frisco
- Keller
- Fort Worth Northwest

ppb

- 84 ppb Standard
- 75 ppb Standard

DFW Eight-Hour Ozone Regulatory Design Values
Current Monitors That Began Operation Before 2000

Monitored regulatory ozone design value ($DV_R$): three-year rolling average of the fourth highest reading per year.

Example: The 2012 monitored design value is an average of the fourth highest monitored levels from 2010, 2011, and 2012.
DFW Area Fourth-Highest Eight-Hour Ozone Levels
Current Monitors That Began Operation in 2000
Monitored regulatory ozone design value ($DV_R$): three-year rolling average of the fourth highest reading per year.

Example: The 2012 monitored design value is an average of the fourth highest monitored levels from 2010, 2011, and 2012.
DFW Area Fourth-Highest Eight-Hour Ozone Levels Across All Monitors from 2000 to 2013
DFW Area Eight-Hour Ozone Design Values Across All Monitors from 2000 to 2013

Yearly Range for Eight-Hour Ozone Design Value

- Maximum
- Minimum
- Average
- 75 ppb Standard
- 84 ppb Standard

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DFW Area Daily Maximum Eight-Hour Ozone Level Monitored from May 1 – September 3, 2013
DFW Area Eight-Hour Ozone Exceedance Days from 1991 through 2012

2008 NAAQS : 76 ppb or Greater

1997 NAAQS : 85 ppb or Greater
Number of DFW Area Monitors Exceeding Eight-Hour Ozone Standard from 2003-2012

<table>
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<tr>
<th>Year</th>
<th>Monitors with Design Value &gt; 75 ppb</th>
<th>Monitors with Design Value &gt; 84 ppb</th>
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Questions?

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