

Memorandum

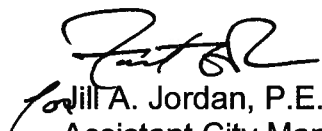


DATE September 23, 2011

TO Members of the Transportation and Environment Committee:
Linda L. Koop (Chair), Sheffie Kadane (Vice Chair), Sandy Greyson,
Delia Jasso, Vonciel Jones Hill, Pauline Medrano

SUBJECT Update on North Texas Clean Air Steering Committee, NTCASC Oil and Gas Task
Force, and State Implementation Plan

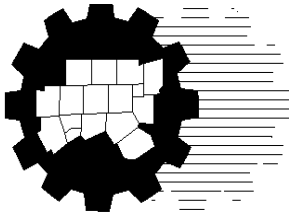
On September 26, 2011, staff of North Central Texas Council of Governments (NCTCOG) will present an informational briefing to the Committee with an update on the North Texas Clean Air Steering Committee (NTCASC), NTCASC Oil and Gas Task Force, and State Implementation Plan. Please find attached a copy of the presentation, and feel free to contact me if you need additional information.


Jill A. Jordan, P.E.
Assistant City Manager

c: The Honorable Mayor and Members of the City Council
Mary K. Suhm, City Manager
Thomas P. Perkins, Jr. City Attorney
Rosa Rios, Acting City Secretary
Craig Kinton, City Auditor
Judge C. Victor Lander, Administrative Judge
A.C. Gonzalez, First Assistant City Manager
Ryan S. Evans, Assistant City Manager
Forest Turner, Assistant City Manager
Joey Zapata, Interim Assistant City Manager
Jeanne Chipperfield, Chief Financial Officer
Edward Scott, Director, Controller's Office
Frank Libro, Public Information Office
Theresa O'Donnell, Director, Sustainable Development and Construction
Rick Galceran, Director, Public Works
Helena Stevens-Thompson, Assistant to the City Manager – Council Office

Update on North Texas Clean Air Steering Committee, NTCASC Oil and Gas Task Force, and State Implementation Plan

**City of Dallas Transportation & Environment Council Committee
September 26, 2011**



**Chris Klaus, Senior Program Manager
Air Quality Planning and Operations
North Central Texas Council of Governments**



NTCASC Background

- **Regional Air Quality Advisory Body for DFW Ozone Nonattainment Area**
 - City/County Representatives
 - Environmental Interests
 - Chambers of Commerce
 - Public/Citizen Education Representatives
- **Goal to Collaboratively Develop Recommendations to the Texas Commission on Environmental Quality (TCEQ)**
 - Control Strategies to Attain National Ambient Air Quality Standards
 - Federal Ozone Standard
 - All Emissions Sources
- **Schedule Driven by Development of State Implementation Plan (SIP)**
 - Attainment Demonstration SIP
 - Reclassification under 1997 8-Hour Ozone Standard
 - Reasonable Further Progress (RFP) SIP
- **Website:** <http://www.nctcog.org/trans/committees/ntcasc/index.asp>

Attainment Demonstration SIP

- **Demonstrates How Region Will Comply With Ozone Standard* by Attainment Deadline**
 - Targets NO_x Emissions Reductions Due to NO_x-Limited Region
 - Serious Attainment Deadline: June 15, 2013
- **TCEQ Modeling Indicates Compliance**
 - Revised Area Source Controls Under Reasonably Available Control Technology Requirements
 - Regional Design Value Must be < 85 parts per billion (ppb)
 - TCEQ Predicts All Monitors will Have Design Value <77 ppb in 2012
- **No Additional Control Strategies Explored**

Reasonable Further Progress SIP

- **Demonstrates Continued Progress in Reducing Emissions**
 - Requires 3% Reduction Per Year for Each Precursor Pollutant (NO_x and VOC)
 - Baseline Year: 2002
 - Milestone Year: 2011

- **Unable to Demonstrate Compliance with VOC Reduction Requirement Based on Existing Control Measures**

	2011 NO _x	2011 VOC	2012 NO _x	2012 VOC
Required Reductions	791.44	340.83	830.05	358.34
Creditable Reductions	859.17	263.34	912.01	296.73
Excess (+)/Shortfall(-)	67.73	-77.49	81.96	-61.61
NO _x Substitution	63.65	-63.65	61.62	-61.62
Final Excess/Shortfall	4.08	-13.84	20.34	0.01

Source: TCEQ presentation to NTCASC Oil and Gas Task Force, May 25, 2011. Based upon MOVES modeling.

- **Additional VOC Control Strategies Required**

NTCASC Oil And Gas Task Force

- **Consisted of NTCASC Members**
- **Goal to Identify Opportunities to Reduce Air Quality Impact of Oil and Gas Production in North Texas**
 - Focused on VOC Reduction Opportunities for RFP SIP
- **3 Meetings Between March and May 2011**
 - Background
 - Best Practices
 - Science
 - Recommendations
- **Website:**
<http://www.nctcog.org/trans/committees/ntcasc/OilandGas.asp>

NTCASC Recommendations

- **Review Existing Practices to Ensure Adequacy for Intended Purpose**
- **Extend Houston Area Condensate and Crude Oil Storage Tank Rule to DFW Nonattainment Area**
 - Requires 95% Control for Sources with 15 Ton Per Year (tpy) VOC Emissions
- **Formalize Oil and Gas Industry Best Practices**
 - Green Completions
 - Plunger Lifts
 - Vapor Recovery Units
 - Low-Bleed Pneumatic Valves

<http://www.nctcog.org/trans/committees/ntcasc/OGTF/052511/TCEQLtr052711.pdf>

What Is In The SIP?

- **Transportation Control Measures**
 - None Recommended
- **Voluntary Mobile Emission Reduction Strategies**
 - None Recommended
- **Extend Houston Area Condensate and Crude Oil Storage Tank Rule to DFW Nonattainment Area**
 - Requires 95% Control for Sources with 25 Ton Per Year (tpy) VOC Emissions

What Is In The SIP? (continued)

- **Weight-of-Evidence (sample list)**

- Bicycle/Pedestrian Projects
- Intersection Grade Separations
- Intersection Improvements
- Sustainable Development
- Clean Fleet Vehicle Policy
- Traffic Signal Improvements
- Truck Lane Restriction Program
- High Occupancy Vehicle Projects
- Locally Enforced Idling Restrictions
- Diesel Idling Reduction Program
- Clean Construction Demonstration Project
- Intelligent Transportation System
- Clean Vehicle/Equipment Program
- Regional Smoking Vehicle Program
- Air Quality Public Education and Communication
- High Emitting Vehicle Enforcement
- Pay-As-You Drive Insurance Pilot Program
- SmartWay™ Transport Partnership
- Blue Skyways Collaborative
- Electric Vehicles North Texas
- Rail Transit Projects
- Clean School Bus Program
- Park and Ride Projects
- Regulated Fleet Program
- Vanpools

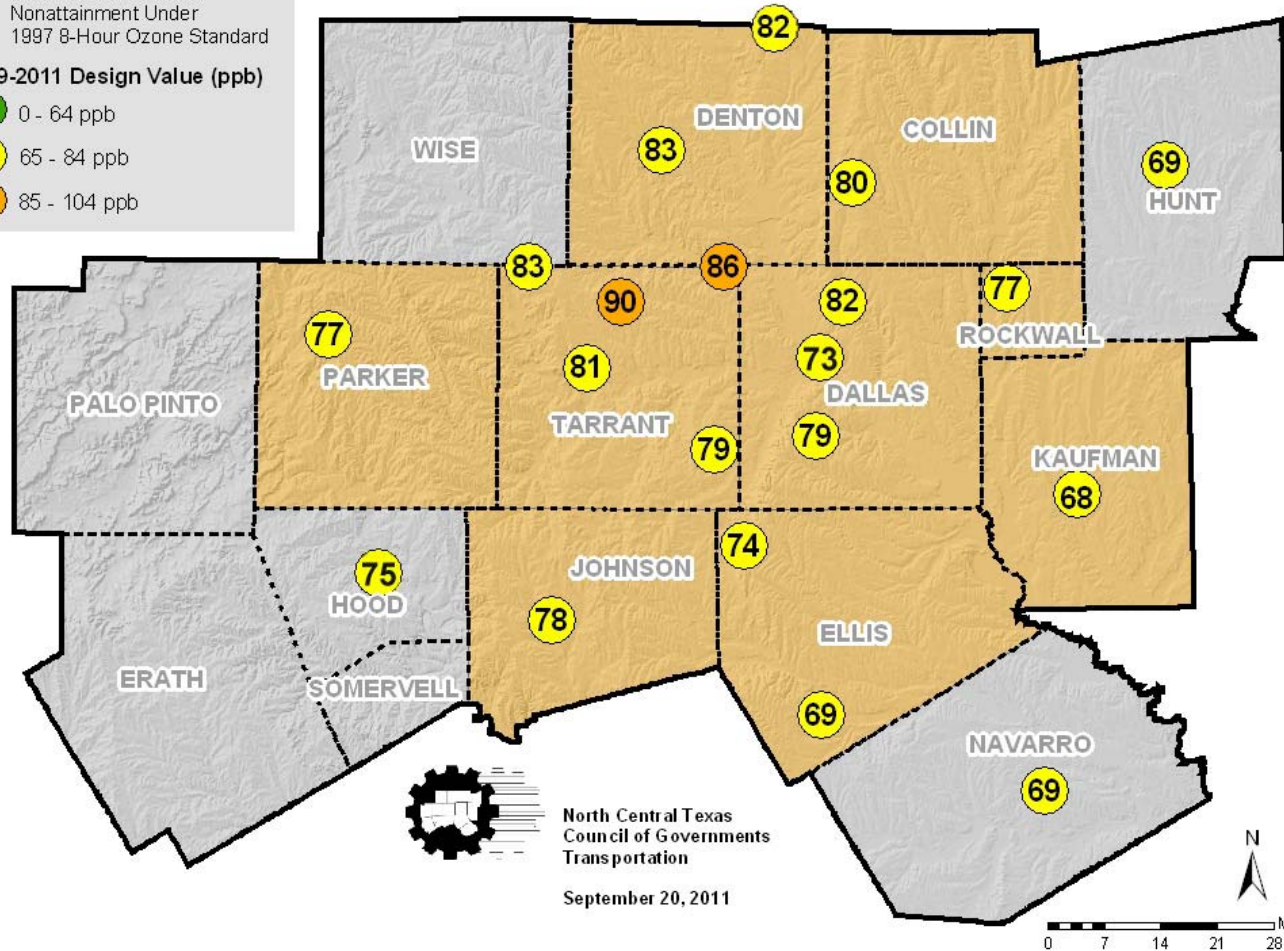
Current Ozone Status

Legend

Counties Classified as Nonattainment Under 1997 8-Hour Ozone Standard

2009-2011 Design Value (ppb)

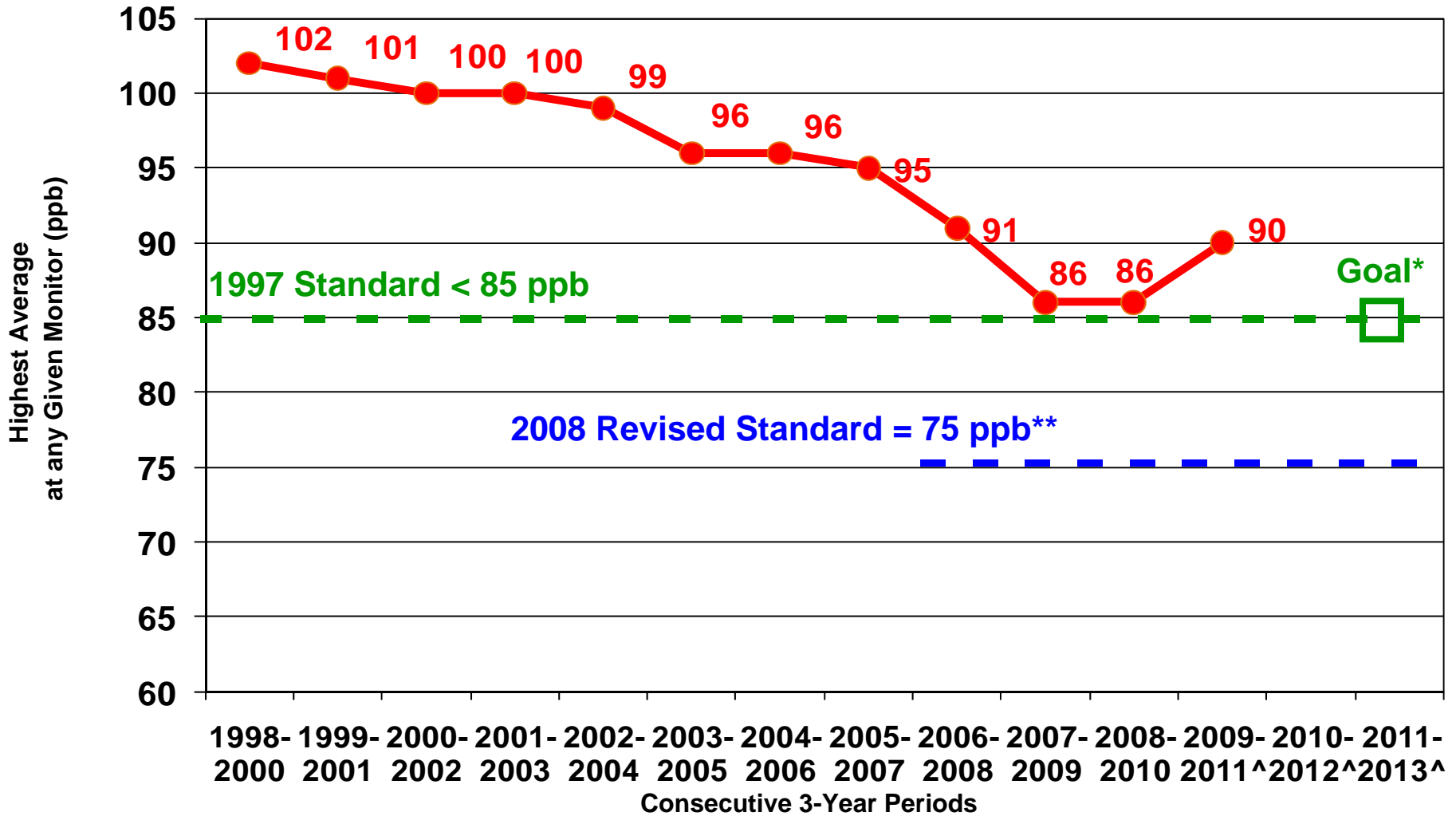
- 0 - 64 ppb
- 65 - 84 ppb
- 85 - 104 ppb



Colors represent Air Quality Index breakpoints

According to the US EPA National Ambient Air Quality Standards, attainment is reached when, at each monitor, the three-year average of the annual fourth-highest daily maximum 8-hour average ozone concentration is less than 85 parts per billion (ppb).

Ozone Attainment Goal



* Attainment Goal - According to the US EPA National Ambient Air Quality Standards, attainment is reached when, at each monitor, the three-year average of the annual fourth-highest daily maximum 8-hour average ozone concentration is less than 85 parts per billion (ppb).

^ Not a full set of data. Current as of August 29, 2011

** Ozone Standard was revised in 2008 to 75 ppb. Designations under this standard are currently on hold until EPA makes recommendations for reconsideration (see ***).

*** Ozone Standard is currently under reconsideration by the EPA and will likely be revised in Summer/Fall 2011 to between 60 and 70 ppb.

Ozone Reconsideration

March 12, 2008 – EPA Strengthened National Standards for Ground-Level Ozone (75 ppb)

September 16, 2009 – EPA to Reconsider National Standards for Ground-Level Ozone

January 6, 2010 – Proposed Revisions to National Standards for Ground-Level Ozone (60-70 ppb)

December 8, 2010 – EPA Administrator Requests More Input from Agency's Science Advisors – Due By End of July 2011

July 26, 2011 – EPA Updates Status of the Ozone Reconsideration and Will Not Issue Final Rule on July 29th

September 2, 2011 – President Obama Requests EPA to Withdraw Draft Ozone NAAQS At This Time

Contact Information

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<http://www.nctcog.org/trans/air/>