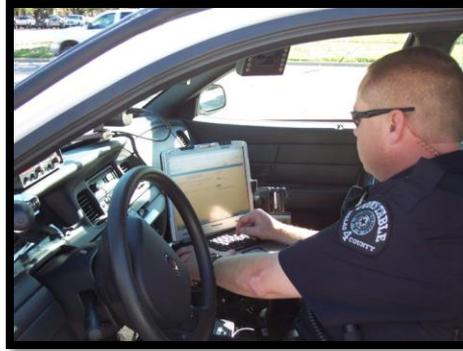


ON-ROAD MOBILE EMISSIONS ENFORCEMENT PROGRAM



Chris Klaus

Senior Program Manager

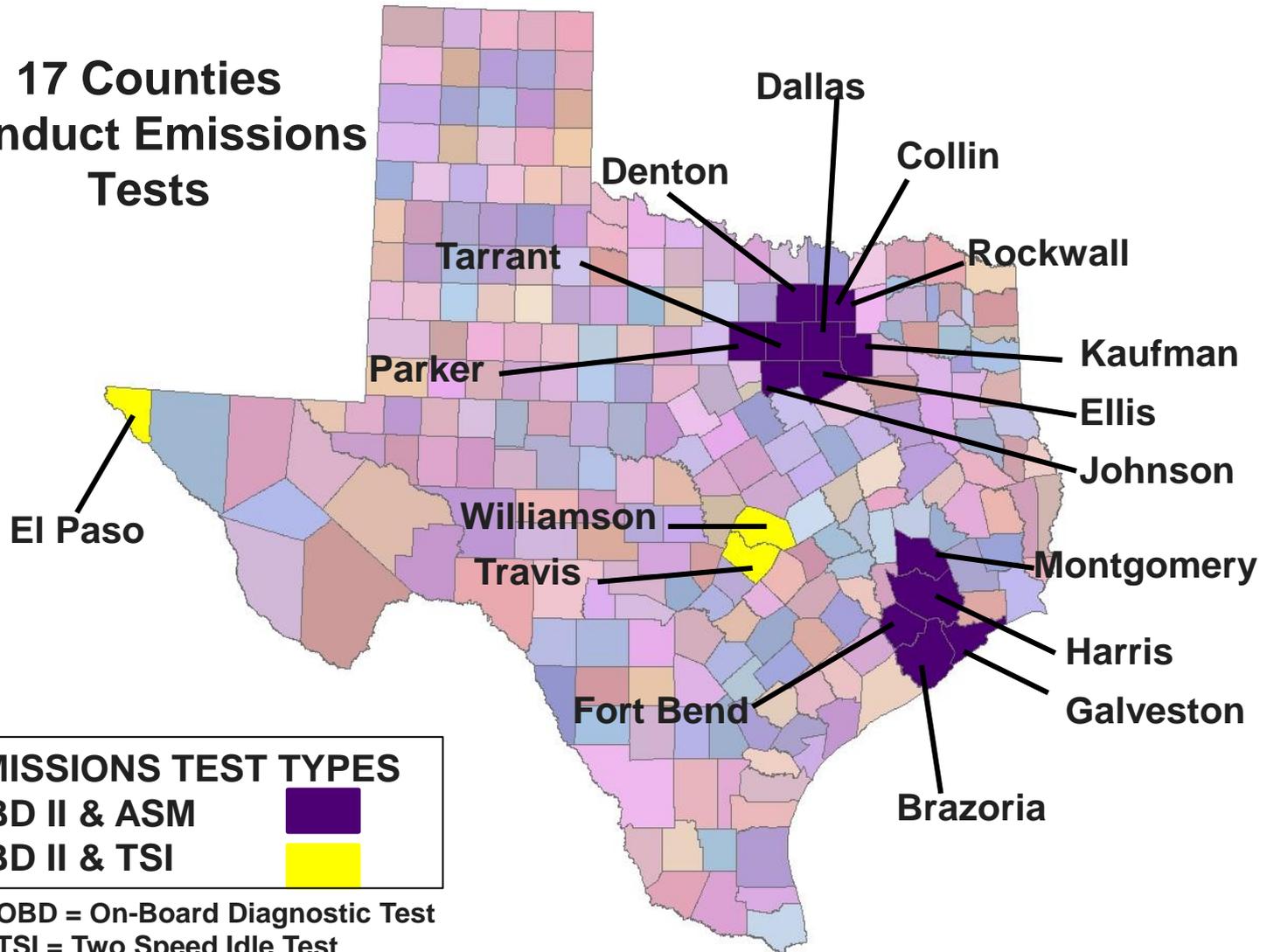
Air Quality Planning and Operations

22nd CRC Real World Emissions Workshop

March 25-28, 2012

EMISSION INSPECTION TYPES

17 Counties
Conduct Emissions
Tests



EMISSIONS TEST TYPES

OBD II & ASM



OBD II & TSI



OBD = On-Board Diagnostic Test

TSI = Two Speed Idle Test

ASM = Acceleration Simulation Mode Test

DALLAS/FORT WORTH AREA

2,048 State Emissions Inspection Stations

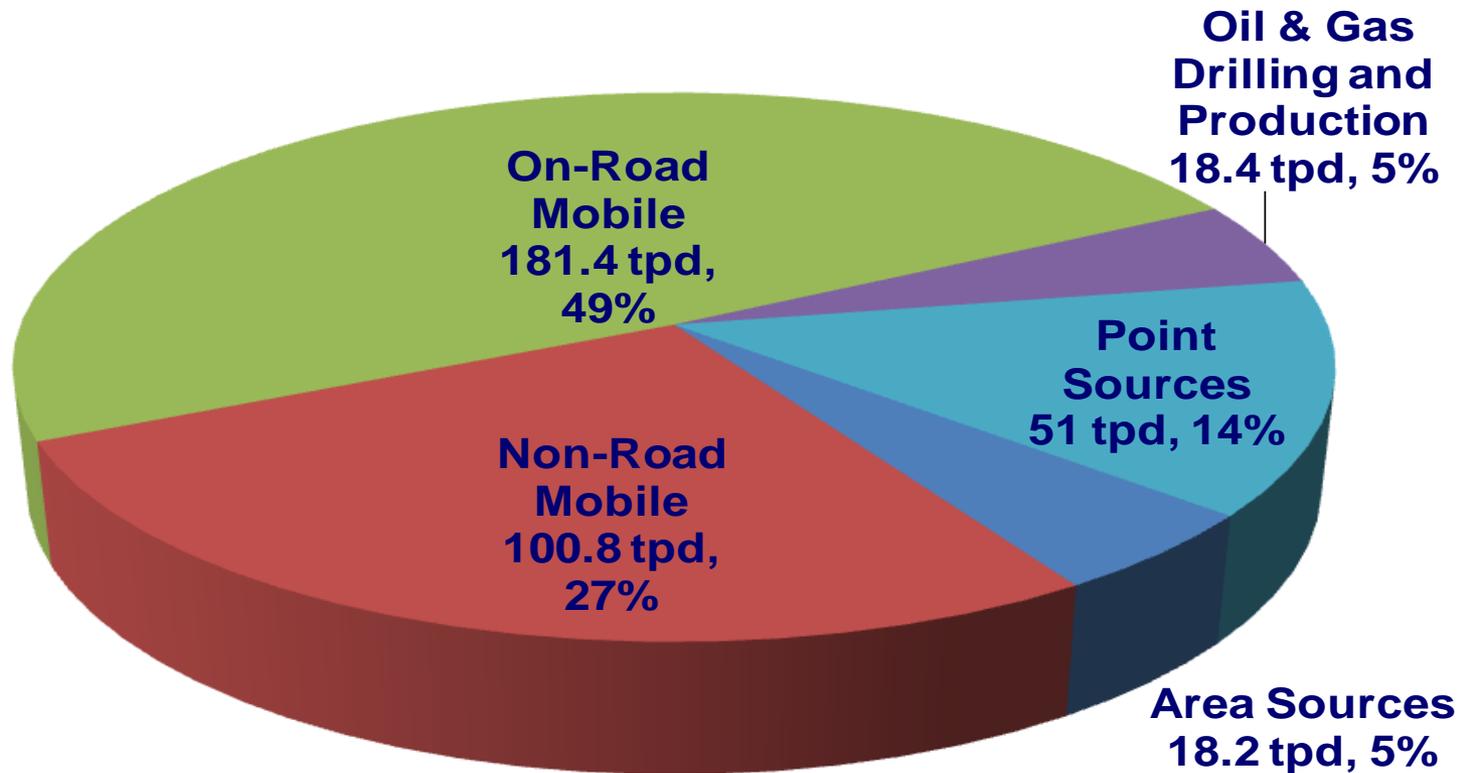
Approximately 4.4 Million Registered Light-Duty Vehicles

**Approximately 3.9 Million Emissions Inspections
Performed Annually, With a 5.3% Emissions Failure Rate**

**Preliminary Analysis Estimates 20% of All Inspection
Certificates are Counterfeit, Fictitious, Fraudulent, or
Improperly Issued**

DALLAS/FORT WORTH AREA

2012 NO_x Emission Inventories by Source



Source: TCEQ

NO_x = Nitrogen Oxides

PROBLEMS IDENTIFIED

Clean Scans –

Using a Known Good Vehicle In Place of One That Won't Pass

Counterfeit/Fictitious Stickers –

Multi-Million Dollar Problem

Wrong Test Type Used –

In Order to Circumvent Part of the Emissions Test

Inspector Integrity Lacking –

Sun Visor Inspections

Engine Control Unit (ECU) Simulators Found –

Hook Up Analyzer to Simulate Being Connected to a Vehicle

REGIONAL EMISSIONS ENFORCEMENT PROGRAM

**Collaborative Program
Developed by the North Central
Texas Council of Governments
(NCTCOG) to:**

- 1) Enhance State's Inspection
and Maintenance (I/M)
Program**
- 2) Target High-Emitting
Vehicles to Reduce
Emissions and Improve Air
Quality**



NCTCOG EMISSIONS DATABASE (NED)

Contains State Inspection
Records for all 17 Emissions
Testing Counties,
Beginning May 1, 2002

Contains Over 70 Million
Records Updated Weekly

Internet Based, Password
Protected, and Available to
Law Enforcement Agencies
24/7 with Over 7,700 Users

TEXAS VEHICLE INSPECTION REPORT

NCTCOG Emissions Database

Vehicle Identification

Start Test Date/Time: 17-FEB-2010 01:23 PM
End Test Date/Time: 17-FEB-2010 01:38 PM
Emissions Test Type: A TSI (2-Speed Idle)
Inspection Type: (A) Emission & Safety Test

Station Identification

Station Name: BONNIE VIEW MOBIL
Station Number: 1P17445
Station Address: 2919 E ILLINOIS
Station City: Dallas
Station State: TX
Station Zip: 75216
Inspector First Name: RASHARD
Inspector Last Name: RENDERO
Inspector Number: WW510331
Insurance Expiration Date: 15-JUN-10
Form VI 30A Issued (Green Sheet): No

Vehicle Information

Test Type: Emissions
Software Version: 0926
Vehicle System Number: Initial Emissions Test
License Plate Type: 104128465
License Plate Number: FTK167
Vehicle Identification Number: JTL047E480103656
Texas Plate: 104128465

Vehicle Make: Dallas
Vehicle Model: LE33
Vehicle Year: 1995
Engine Type: GS300
Engine Size (cubic inches): 3000
Transmission/GVW/PW Type: 5/1 Conventional Automatic / 4580 / Light
Drive Type: 255324 / Gas
Fuel Injection: No
Auxiliary Equipment: Yes, AWD-4X

Inspection & Repair Fees

Item	Amount
Emissions Inspection Fee	\$12.75
Repair Costs at Station	\$27.00
Non REI	\$0.00
Self-Perf	\$0.00
Soft-Perf	\$0.00
System Repaired	\$0.00
Repairs Performed By	
Prior to test Pre-Tuning done	
Overall Inspection Costs	
Overall Repair Costs	

Weather

Relative Humidity: 5015 Humidity
Ambient Dry Bulb: 2525 Humidity
Barometric Pressure: 30.00 (inHg)

Low Speed Emission Results (15mph)

Standard	Current Reading	Result
HC (ppm)	20	Pass
CO (%)	0	Pass
CO2 (%)	12.3	Pass
Gas Cap	3.6	Pass

OVERALL RESULT: PASS

Certificate Number Issued: M02825238
Waiver Number: 02/21/2010
Records last updated: 02/21/2010

DISCLAIMER

The North Central Texas Council of Governments (NCTCOG) maintains this Emissions Data Web site to enhance access to Texas Emissions Data information. This site is continually under development and therefore subject to change without notice. While we endeavor to provide timely and accurate information, we make no guarantee. The North Central Texas Council of Governments makes no warranty, express or implied, including warranties of fitness for a particular purpose. Use of the information is the sole responsibility of the user. The material on this site is compiled from data provided by the Texas Commission on Environmental Quality (TCEQ) from The Texas Information Management System (TIMS) database and is not for public use or dissemination. We do not control or guarantee the accuracy, relevance, timeliness or completeness of any outside information.

REGIONAL EMISSIONS ENFORCEMENT PROGRAM

Reduce Number of Fictitious/Counterfeit Inspection Certificates by:

- **Performing Everyday On-Road Enforcement Utilizing NCTCOG's Emissions Database (NED)**
- **Conducting Covert Operations on State Vehicle Emissions Inspection Stations to Identify Inspectors Performing Improper Inspections**
- **Prosecuting Offenders for Counterfeit Inspection Certificates**

Enforce Truck Lane Restrictions

Support Anti-Idling Restrictions

Enforce Smoking Vehicle Statute

Train Local Law Enforcement Officers

**Encourage Collaboration Between
Counties to Increase Enforcement Efforts**



REGIONAL EMISSIONS ENFORCEMENT PROGRAM

Dallas County Emissions Task Force

March 15, 2008 – December 2011:

154	Felony Arrests
451	Felony Cases Filed
26	Vehicles Seized
30	Analyzers Seized
\$45,359	Cash Seized
3,204	Fictitious/Counterfeit Certificates Confiscated
66,728	Citations Issued for Vehicle Emissions-Related Offenses

802
Counterfeits
\$48,120



**Estimated Emissions
Reductions:**

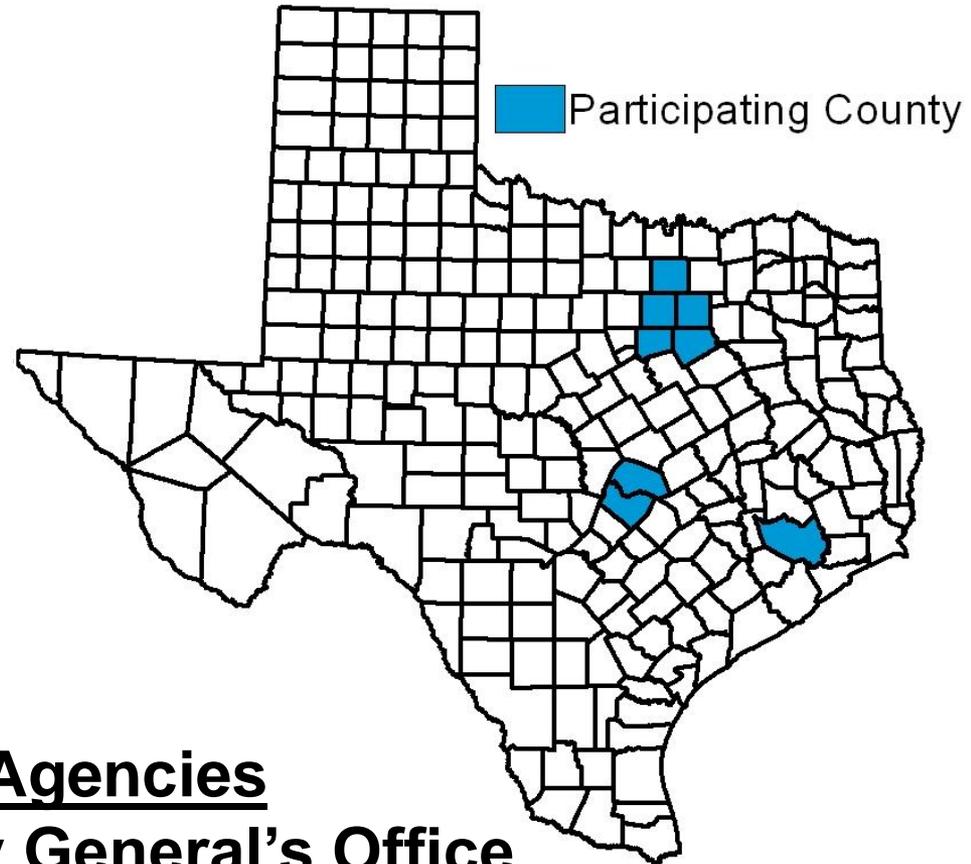
NO_x = 3.44 TPD
VOC = 2.15 TPD

NO_x = Nitrogen Oxides; VOC= Volatile Organic Compounds; TPD = Tons Per Day

PROGRAM PARTNERS

Counties

Dallas
Ellis
Johnson
Travis
Denton
Harris
Tarrant
Williamson



Other Agencies

Texas Attorney General's Office
Environmental Protection Agency
Texas Commission on Environmental Quality
Texas Department of Public Safety
Texas Department of Motor Vehicles

SPOT THE FAKE

SPOT THE FAKE



Hand Drawn
and Laminated



SPOT THE FAKE



Incorrect Font

Incorrect Color
Green

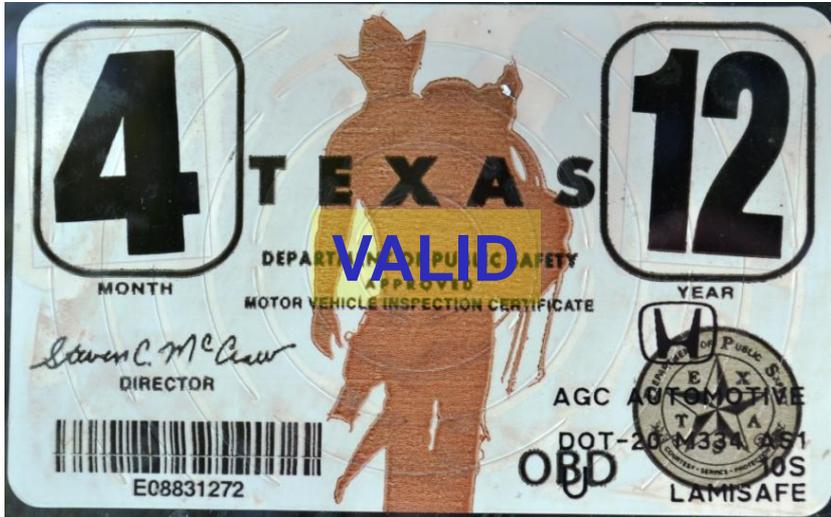
COUNTERFEIT

Alpha Character and
Number Should Be
Same Size



VALID

SPOT THE FAKE



VALID



COUNTERFEIT

**Faded Colors
Saddle Straps Crossed
Incorrect Alpha Character**



STOLEN

**Valid, But Stolen From
Another Vehicle**

STATE INSPECTION RATES PER VEHICLE

Dallas/Fort Worth Area

Vehicle Owner Fees – Emissions/Safety

Emission Fee:	(not to exceed)	\$27.00
Safety Fee:		\$12.50
<u>Texas Automated Vehicle Inspection System (TAVIS) Fee:</u>		<u>\$0.25</u>
TOTAL:		\$39.75

Station Fees - OBD Emissions/Safety

State Fee:		\$8.00
Drive A Clean Machine Program Fee (OBD only):		\$6.00
<u>TAVIS Fee:</u>		<u>\$0.25</u>
TOTAL:		\$14.25

Station Revenue Per Vehicle:	(OBD)	\$25.50
	(ASM + TSI)	\$31.50

**Estimated Annual State Revenue from
DFW Emissions Inspections: \$53.6 M**

REGIONAL EMISSIONS ENFORCEMENT PROGRAM



Officer Using the NCTCOG Emissions Database to Verify a Vehicle's Inspection Certificate



Officer Issuing a Citation for Expired Inspection Certificate



Dallas County Sheriff's Clean Air Emissions Task Force Raiding a State Inspection Station Performing Illegal Inspections

Clean Air Excellence Award

The U.S. Environmental Protection Agency recognizes

North Central Texas Council of Governments

and the Regional Emissions Enforcement Program for outstanding innovative efforts in improving air quality through Transportation Efficiency. The exceptional achievement demonstrates a true commitment to cleaning our air and protecting the environment.

We are proud to honor you for solving environmental problems.



June 7, 2011

[Signature]
Tom J. Jacobson
EPA Administrator



NCTCOG Emissions Database and On-Road Emissions Enforcement Training Class

QUESTIONS?



Chris Klaus
Senior Program Manager
cklaus@nctcog.org
817-695-9286

Amanda Brimmer
Senior Transportation Planner
abrimmer@nctcog.org
817-608-2354

Richard McComb
AQ Operations Analyst
rmccomb@nctcog.org
817-608-2340

Media Coverage:

www.nctcog.org/trans/air/hevp/REEPNewsArticles.asp

Ch5-10pm.wmv