MISSOURI
DEPARTMENT OF
NATURAL RESOURCES

Gateway Vehicle Inspection Program -

"Cleaner Cars on the Road & Cleaner Air to Breathe"

St. Louis Air Quality Advisory Committee
October 27, 2015

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GVIP
Gateway Vehicle Inspection Program

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Background

- MDNR has operated vehicle emission inspection programs in the St. Louis area since 1984 due to the area's ozone nonattainment status

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Emissions Inspection History

- Pre-2000, neighborhood inspection stations performed gas analyzer idle exhaust test
- Gateway Clean Air Program (GCAP)
  - Centralized Program
    - Operated from 2000 thru 2007
    - 12 stations; 2 mobile vans; 44 lanes; 200± inspectors
    - Running dynamometer (treadmill) exhaust test – 1981 MY & newer gasoline powered vehicles
    - On-Board Diagnostic 2nd Generation (OBDII) testing on 1996 and newer gasoline vehicles started in 2005
    - RapidScreen - On-road drive-by emissions testing

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CURRENT

- **GVIP – Gateway Vehicle Inspection Program**
  - Approved by MO Legislature in 2006
    - Revised Statutes of Missouri 643.300 - 355
    - MO Code of State Regulations: 10 CSR 10-5.381
  - Decentralized Emissions & Safety Inspection Program
  - OBD II emissions inspection only
    - Computer-based testing / verification of vehicle emission system operation & function
  - September 1, 2007 – present

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GVIP - Testing Locations

- 850+ local inspection stations
  - Public, private & government
- 5,000+ inspector mechanics
- Station / Inspector licensing responsibility of Missouri State Highway Patrol – Motor Vehicle Inspection division (MSHP-MVI)
- Inspection performance oversight responsibility of both Missouri Dept. of Natural Resources (MDNR) and MSHP-MVI division

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GVIP – Who We Are

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Gateway Vehicle Inspection Program

- MDNR – Air Pollution Control Program (APCP)
  - 11 St. Louis Inspection Maintenance (I/M) Section Staff
    - Inspection Services Unit
    - Technical Services Unit
  - Additional Compliance / Enforcement Section staff in Jefferson City
- Contractor: Computer Analyzers & Database

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GVIP – What We Do

- Approx. 800,000 vehicle emission tests per year
- 10,000 phone calls per year
- 3,000 forms processed per year
- 1,761 Station / Mechanic Overt audits in 2014
- 885 Station / Mechanic Covert audits in 2014
- Motorists / Mechanics Outreach & Education
- Interagency Coordination
- Contractor Supervision

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OBD II Test Procedure

- $24 Fee for initial emissions inspection at shop
  - 1 free reinspection within 20 business days
- Data analyzer connects to car's OBD computer
  - Verifies vehicle communicates & 'Ready' to be tested:
    - Gasoline vehicle: 1 "self-test" monitor allowed not completed for model year (MY) 2001+ vehicles; 2 allowed for 1996-2000
    - Diesel vehicle: 1 "self-test" monitor allowed not completed on MY 2010+ vehicles; 0 allowed for MY 2009 & older
  - Malfunction Indicator Lamp (MIL) Test:
    - Pass when no 'hard' diagnostic trouble codes (DTCs) set

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Vehicles Tested

- Model Year (MY) 1996 & newer Gasoline vehicles with Gross Vehicle Weight Rating (GVWR) of less than 8501 pounds
- MY 1997 & newer Diesel vehicles with GVWR less than 8501 pounds
- Emissions Inspections are required at:
  - On-cycle biennial registration renewal time
  - Title transfer (ownership change)

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Emissions Exemptions

- Gross Vehicle Weight Rating (GVWR)
  - Vehicle exceeds 8500 pounds
- Fuel type:
  - Plug-in Hybrids & non-gasoline / non-diesel fueled
- Mileage – Vehicle documented as being driven:
  - Less than 40,000 Mile at first biennial renewal
    - Vehicle 2 years old (Calendar year – model year)
  - Less than 12,000 Miles between biennial renewals
    - Vehicle 4, 6, 8, etc. years old

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Repair Waivers

Cost-Based Waiver

- Qualified repairs required
  - Based on pre- and post- repair emissions inspection results
  - Repair resolves cause of one or more DTCs
- Qualified repair costs exceed
  - $450 qualified parts alone, or qualified parts & labor for work performed by a Missouri Recognized Repair Technician
  - $400 qualified parts only, owner repairs
  - $200 spent on qualified repairs when vehicle owner documents receiving state or federal disability

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Repair Waiver (cont.)

Estimate-Based Waiver: Allowed when:

- Vehicle meets basic requirements of emissions test
  - MIL-Key On / Engine Off; OBD Communications; Readiness Result all are a “Pass”
- Vehicle reports only one DTC during failed test
- Diagnosis of cause of DTC obtained & provided
- Estimate to repair >$450 parts & labor
- Allows motorist ability to register until next renewal
  - Requires making repair(s) that correct waivered DTC by next inspection for registration cycle to allow to register then

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Other (non-repair based) Waivers

Out of Area:

- Available when vehicle is not currently driven in area & guaranteed to be driven exclusively outside of area for the next 2 years

Reciprocity:

- Available when vehicle is not in state, is not required to have a safety inspection (< 5 years old); and is located in another state that has OBD II inspection program equivalent to Missouri's

Dept. of Revenue General Affidavit (Form 768):

- Available when vehicle has not been in state in previous 60 days, is not in state currently, but is over 5 years old and so required to have safety inspection to allow registration

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2014 Compliance / Enforcement

- 97% Final Compliance Rate for emission-tested vehicles
- 375 Lockouts – electronically prevents station or inspector from using analyzer unit until compliance issue is corrected
- 4 Station License Suspension / Revocations for "Clean Scanning" violations
- Source: http://dnr.mo.gov/pubs/docs/gvip.FY2014.legreport.pdf

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FACTS & FAQ's

http://dnr.mo.gov/gatewayvip/v-owner/faqs.htm

Questions?

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Division of Environmental Quality Director: Leanne Tippett Mosby
Air Pollution Control Program Director: Kyra Moore
Inspection Maintenance Section Manager: Charles Dachroeden

Date: October 27, 2015

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