



STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION



DIVISION OF AIR QUALITY

AIR QUALITY, ENERGY, AND SUSTAINABILITY

NJ HEAVY DUTY DIESEL VEHICLE ROADSIDE INSPECTION PROGRAM

BUREAU OF MOBILE SOURCES



NCTCOG Meeting - November 19, 2020

OVERVIEW

- Joint Administration
 - New Jersey Department of Environmental Protection
 - Emissions standards
 - Test methods
 - New Jersey Motor Vehicle Commission
 - Inspection frequency
 - Inspection location (central facility or private licensee)
- Applicability
 - Periodic – NJ registered vehicles only
 - Roadside – any vehicle on NJ roads

REGULATIONS

- DEP Regulations
 - N.J.A.C. 7:27-14 – Inspection procedures and applicability for diesel vehicles
 - N.J.A.C. 7:27B-4 – Inspection test methods and standards for diesel vehicles
- MVC Regulations
 - N.J.A.C. 13:20-26 – Periodic inspections for diesel vehicles
 - N.J.A.C. 13.20-46 – Diesel emissions inspections
 - N.J.A.C. 13.20-47 – Diesel Inspection Facilities

INSPECTION APPLICABILITY

Diesel and Gasoline I/M Programs Combined DEP and MVC Requirements											
Weight Class (GVWR)	Fuel	Type	Model Year	Test Type							
				Smoke Opacity	Visible Smoke	OBD	Fuel Leak	Visible Fuel Cap	Indicator Light Check	Emission Control Apparatus Examination	Catalytic Converter Check
≤ 8,500 lbs	Gasoline	1995 and older	NA	Commercial vehicles only	NA	Commercial vehicles only	Commercial vehicles only	Commercial vehicles only	NA	NA	Commercial vehicles only, originally equipped (1975 and newer)
		1996 and newer	NA	All	All OBD-eligible	All	All	All	NA	NA	All
	Diesel	1996 and older	NA	Commercial vehicles only	NA	Commercial vehicles only	Commercial vehicles only	Commercial vehicles only	NA	NA	NA
		1997 and newer	NA	All	All OBD-eligible	All	All	All	NA	NA	NA
8,501 - 14,000 lbs	Gasoline	2007 and older	NA	Commercial vehicles only	NA	Commercial vehicles only	Commercial vehicles only	Commercial vehicles only	Commercial vehicles only	Commercial vehicles only	Commercial vehicles only, originally equipped (1975 and newer)
		2008 and newer	NA	All	All OBD-eligible	All	All	All	NA	NA	All
	Diesel	2007 and older	NA	Self inspect	NA	Self inspect	Self inspect	Self inspect	Self inspect	Self inspect	NA
		2008 and newer	NA	Self inspect	NA	Self inspect	Self inspect	Self inspect	Self inspect	Self inspect	NA
14,001 - 17,999 lbs	Gasoline	2013 and older	NA	Commercial vehicles only	NA	Commercial vehicles only	Commercial vehicles only	Commercial vehicles only	Commercial vehicles only	Commercial vehicles only	Commercial vehicles only, originally equipped (1975 and newer)
		2014 and newer	NA	All	All OBD-eligible	All	All	All	NA	NA	All
	Diesel	2013 and older	NA	Self inspect	NA	Self inspect	Self inspect	Self inspect	Self inspect	Self inspect	NA
		2014 and newer	NA	Self inspect	NA	Self inspect	Self inspect	Self inspect	Self inspect	Self inspect	NA
≥ 18,000 lbs	Gasoline	2013 and older	NA	Commercial vehicles only	NA	Commercial vehicles only	Commercial vehicles only	Commercial vehicles only	Commercial vehicles only	Commercial vehicles only	Commercial vehicles only, originally equipped (1975 and newer)
		2014 and newer	NA	All	All OBD-eligible	All	All	All	NA	NA	All
	Diesel (Annual)	2013 and older	All	All	NA	All	All	NA	DPF check: pre-2007 retrofitted and all 2007 and newer SCR check: 2010	All	NA
		2014 and newer	NA	All	All OBD-eligible	All	All	NA	All	All	NA

HDDV PERIODIC INSPECTIONS

- 8,500lb to 17,999lb are self-inspect per MVC regulations
- 18,000lb and above are annual
 - Smoke opacity for 2013 and older
 - OBD for 2014 and newer
 - All get visible smoke, fuel leak, and indicator light inspection (if applicable)

In regulation but not yet implemented. Waiting for award of next contract for vehicle inspection services. Right now, all age vehicles get smoke opacity tested.

HDDV ROADSIDE INSPECTIONS

- Joint Effort by MVC and the New Jersey State Police
- Applies to any HDDV on NJ roads
- Most inspections done at weigh stations; historically, have used other locations
- Procedure:
 - NJSP direct vehicles to MVC inspectors
 - MVC inspectors perform snap acceleration opacity test
 - NJSP issue summons based on test result
 - NJSP may perform DOT safety inspection at their discretion
 - Fine - \$750; reduced to \$150 with proof of repair/passing test w/in 45 days

ROADSIDE INSPECTION HISTORY

- Historically:
 - Multiple dedicated diesel roadside teams (MVC & NJSP)
 - Worked 3-4 days per week over 8-9 months
 - Great resource for testing:
 - Pilot testing of potential new inspection equipment
 - Survey of DEF quality and use when launched in 2010
 - MDDV pilot testing
 - Survey of HD OBD systems
- Currently:
 - Merged with gasoline roadside teams
 - Roadside teams now perform specialty inspections as well
 - Heavy duty inspections performed 1-2 days per month; summer only

QUESTIONS?

Contact Info:

Jeffrey L. Cantor
Bureau of Mobile Sources
NJ Department of Environmental Protection
401 E. State St.
P.O. Box 420, 401-02E
Trenton, NJ 08625
Phone – 609/292-2232
email – jeff.cantor@dep.nj.gov
<http://www.nj.gov/dep/aqes/index.html>