

Rhode Island Anti-Idling Program

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2006 RI Anti-Idling Act

- Diesel motor vehicle engine idling
 - Should be generally consistent with MA and CT
 - “... no person shall cause or permit the unnecessary operation ... in excess of 5 consecutive minutes in any 60 minute period.”
 - Numerous exemptions
- Non-road diesel engine idling
 - “ ... no entity shall cause, suffer, allow or permit the unnecessary idling of a non-road diesel engine.”



Anti-Idling Regulation APC Regulation No. 45

- Preliminary draft regulation developed
- Two stakeholder meetings held
 - Environmental groups
 - Fleet owners
 - EPA
- Draft regulations developed for public comment
- Public hearing held
- Regulations revised based on comments
- Regulation filed June 2007



Anti-Idling On-Road

“No person, entity, owner or operator shall cause, allow or permit the unnecessary idling of a diesel motor vehicle ... in excess of 5 consecutive minutes in any 60 minute period, except ...”:

- Traffic ... or at the direction of law enforcement official.
- ... necessary to operate defrosting, heating, or cooling equipment to ensure the health or safety of the driver or passengers. In the case of providing heat ... 15 minutes per hour for temps between 0° and 32°, below 0° no limit. For passenger bus - 15 minutes per hour below 50°.
- To power work-related mechanical or electrical equipment
- Maintenance, servicing, repairing or diagnostic purposes ... and as needed during state or federal inspections.
- Occupied sleeper berths for heating and cooling during federally mandated rest periods. [Sunset 7/1/2010 \(promote truck stop electrification, APUs\)](#).
- Police, fire, rescue ...
- Vehicle mounted auxiliary power units



Anti-Idling Non-Road

“No person, entity, owner or operator shall cause, suffer, allow or permit the unnecessary idling of non-road diesel engines under its control or on its property.”

Definition: ... a diesel engine intended for use off public highways or in other similar applications , and include, but not limited to, diesel engines in: farm vehicles, locomotives, aircraft, marine vessels, construction equipment, airport ground support equipment, commercial and industrial equipment.

Exemptions:

- Maintenance and inspections
- Airfield maintenance vehicles being used to achieve their intended purpose on state-owned or operated airport



Enforcement

- Enforcement through state and local law enforcement authorities ... state and local police and parking enforcement personnel , RIDEM and RIDMV
- Law specifies fines of \$100 and \$500 for violations as “Traffic Offenses”
- Penalties section of the regulation references the law, and, “... penalties may be assessed against any person who allows or permits unnecessary idling to occur on property under their control.”



Priorities

Priorities assessed based on matrix of identified sources and the following control strategies:

- Anti-idling
- Fleet turnover (replacement)
- I/M (maintenance and repair)
- Retrofit (or re-power)
- Re-fuel (ULSD, Bio-diesel, CNG, etc.)

“... preliminary [fleet] priority assignments made on the basis of reduction in critical health risk exposures, authority to control and ease of implementation.”

- Buses (School and Transit)
- Solid waste collection vehicles
- State fleet, including contracted services.



Diesel Emission Reduction Program

- 2008 CMAQ Funds \$550,000
- 2009-2011 CMAQ Funds - \$1 M / Year
- 2008 DERA Funds - \$197,000
 - State fleet retrofits
 - Diesel workshops
 - Anti-idling signs
- 2009 DERA Funds - ? (\$450,000)



Future Initiatives

- Continue and expand school bus retrofit (and replacement) programs
- Implement State construction project contract provisions to require retrofitted equipment
- Encourage expedited fleet turnover for RIPTA buses
- Encourage retrofits/replacements of SWCVs
- Implement an I/M program to require emissions testing for opacity on all Rhode Island registered diesel trucks to ensure properly functioning engines (already required).
- Consider more stringent opacity cut-points for pullover and I/M programs covering the on-road diesels in Rhode Island.



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