



## State of New Jersey

CHRIS CHRISTIE  
*Governor*

KIM GUADAGNO  
*Lt. Governor*

Department of Environmental Protection  
Bureau of Mobile Sources  
Diesel Inspection & Innovative Strategies  
Mail Code 401-02E  
Post Office Box 420  
Trenton, New Jersey 08625-0420  
Tel: (609) 292-7953, Fax: (609) 633-8236  
[www.StopTheSoot.org](http://www.StopTheSoot.org)

BOB MARTIN  
*Commissioner*

June 5, 2013

Re: Smoke Opacity Measurement Equipment Certification

Dear Equipment Manufacturer:

The New Jersey Department of Environmental Protection will be evaluating smoke opacity measurement equipment (smokemeter) for inclusion in New Jersey's Diesel Inspection Program. Smokemeters approved in this process will be added to the certified list of smokemeters approved for use. Manufacturers are encouraged to submit candidate equipment for inclusion in the approval process as early as possible, but no later than July 19, 2013. The department will conduct tests to determine if the instrument conforms to all specifications under N.J.A.C. 7:27-14 (Control and Prohibition of Air Pollution From Diesel-Powered Motor Vehicles) and N.J.A.C. 7:27B-4 (Air Test Method 4: Testing Procedures for Motor Vehicles). Submittal of an instrument is not a guarantee of approval. Instruments should be shipped to:

Department of Environmental Protection  
Bureau of Mobile Sources  
Diesel Inspection & Innovative Strategies  
401 East State Street  
Mail Code 401-02E  
Trenton, New Jersey 08625-0420  
Attn: William Etherington

In order to initiate the approval process, please submit:

- one example of a complete production smokemeter with software installed that can meet the requirements on the enclosed checklist;
- all accessories necessary to conduct a proper emission test under N.J.A.C. 7:27-14 and N.J.A.C. 7:27B-4;
- include any equipment which may assist the evaluation, such as extension poles, battery chargers, calibration glasses, and cleaning supplies;
- and certification(s) from a jurisdiction (municipality, state, province, etc.) indicating approval for the jurisdiction's inspection program, **OR** third party certification indicating the instrument conforms to all specifications and standards set forth in SAE J1667.

All equipment will be returned at the end of the approval process.

Approved smokemeters will be added to the certified list of NJDEP approved smokemeters for use by a Diesel Private Inspection Facilities (PIF) for the purpose of performing an official emission inspection upon a diesel-powered motor vehicle. Approval will also make the smokemeters eligible to be used by the NJ Motor Vehicle Commission (MVC) Roadside Enforcement and Bus Inspection Units.

Copies of the regulations listed above can be found at: <http://www.nj.gov/dep/aqm/rules.html>. If you have any questions regarding this matter please contact me at (609) 633-1147 or at [bill.etherington@dep.state.nj.us](mailto:bill.etherington@dep.state.nj.us) .

Sincerely,



William Etherington

Diesel Inspection & Innovative Strategies

With Enclosure