



NBB ONE-PAGE (State's Fuel Quality Regulation)

Department VA Product & Industry Standards **NCWM Region** SWMA
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What's needed for a successful program? VA just changed the regulation so as to adopt the most current edition of NIST Handbook 130. This will allow them to use the most current ASTM testing method and regulate fuel quality. The motor fuel lab has purchased some new equipment and is researching others to "gear-up" for testing. Their lab is currently investigating biodiesel testing beginning with upgrading their FT/IR in order to test for % of biodiesel by ASTM method D7371.

AUTHORITY

Fuel Authority Statutory (enacted legislation); Regulatory (state regulations)
Statutory/Regulatory Citation Virginia Regulation 115-04-12: Section 59.1 Motor Fuel and Oils Law; lists the specific test methods for fuel to pass; i.e., Flash Point D93, etc. for diesel fuel. Requirements are for on road fuel only because highway taxes support the regulatory effort. Biodiesel and Green Diesel Definitions:
 Biodiesel fuel is defined as a fuel composed of mono-alkyl esters of long-chain fatty acids derived from vegetable oils or animal fats that is designated B100 and meets the requirements of ASTM D6751. Green diesel fuel is a fuel produced from non-fossil renewable resources, including agricultural or silvicultural plants; animal fats; residue and waste generated from the production, processing, and marketing of agricultural products, silvicultural products, and other renewable resources; that meets applicable ASTM specifications. (Reference House Bill 139 and Senate Bill 689, 2008, and Virginia Code 45.1-364 and 58.1-439.12)

ADOPTED FUEL SPECIFICATIONS

Fuels Currently Regulated Diesel_Fuel_yes; B100-Biodiesel_yes
Fuel Specifications B1-B5_ASTM D975; B6-19_other; B100_ASTM D6751; PetroDiesel_ASTM D975
Other Specifications B6-B20 ASTM D7467
If no spec - plan to adopt
Process to Adopt Specifications Legislative Process; Administrative Rulemaking
ASTM-Rev Adopted automatic - incorporation of "most-current" revision

TESTING PROGRAMS

Proactive Tests Do not proactively test
Reactive Test Circumstance 5 inspectors around the state monitor the complaints-mostly 93 Octane complaints currently.
Fuel Test Performed - Water & Sediment; - Vacuum Distillation; - Sulfur; - Cetane; - Flash Point
Where Sampled Retailer
Where Tested State's In-House Lab
Penalties \$500 to \$4000 for violations. Fraud is a Class I misdemeanor. Method: (1)warning to the station, (2) civil penalty, (3) small fine initially and then escalation in increments

REPORTING OUT-OF-SPECIFICATION FUEL

How to Report Consumer complaint phone number on pumps is 804-786-2476.

NOTES & ATTACHMENTS