



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

**Department** NC Dept of Agriculture & Consumer Services

**NCWM Region** SWMA

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**What's needed for a successful program?** Specifications for biodiesel blends; Labeling of dispensers & brand name registration. We adopted ASTM D6751 for B100 and B99, effective June 1st. We have an FTIR unit in the lab and have been working on the glycerine program on our new GC.

AUTHORITY

**Fuel Authority** Regulatory (state regulations); Statutory (enacted legislation)

**Statutory/Regulatory Citation** Biodiesel Requirement for School Buses: Every school bus that is capable of operating on diesel fuel must be capable of operating on diesel fuel with a minimum content of 20% biodiesel (B20). Furthermore, at least 2% of the total volume of fuel purchased annually by local school districts statewide for use in diesel school buses must be a minimum of B20, to the extent that biodiesel blends are available and compatible with the technology of the vehicles and the equipment used. (Reference Senate Bill 1452, 2007, and North Carolina General Statutes 115C-240(c) and 115C-249(a))

ADOPTED FUEL SPECIFICATIONS

**Fuels Currently Regulated** Biodiesel-Blends\_ yes; B100-Biodiesel\_ yes; Diesel Fuel\_ yes

**Fuel Specifications** B6-19\_ ASTM D975; B100\_ ASTM D6751; B1-B5\_ ASTM D975; PetroDiesel\_ ASTM D975

**Other Specifications** Now offering sulfur testing to a new biodiesel producer. NC must label actual percentage of biodiesel over 5%.

**If no spec - plan to adopt** If the new ASTM biodiesel specifications are published in October, 2008 then the new B100/99, B5 and B6-20 specs will be legally effective in October 2008.

**Process to Adopt Specifications** Administrative Rulemaking; Legislative Process

**ASTM-Rev Adopted** automatic - incorporation of "most-current" revision

TESTING PROGRAMS

**Proactive Tests** Biodiesel (B100); Biodiesel Blends (Bxx)

**Reactive Test Circumstance**

**Fuel Test Performed** - Density; - Visual; - Water & Sediment; - Cetane; - Glycerine; - Flash Point; - Sulfur; - Copper Strip

**Where Sampled** Retailer; Terminal / Blender

**Where Tested** State's In-House Lab

**Penalties** Consumer complaints, requests from stations or marketers, if a trend is seen in samples from a certain marketer, supplier or terminal.

REPORTING OUT-OF-SPECIFICATION FUEL

**How to Report** It can be considered a misdemeanor, but we rarely pursue this unless we believe there was intent to deceive. Usually we place a stop sale on the product and supervise the corrective action before sales can resume.

NOTES & ATTACHMENTS