



National Biodiesel Board
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Memorandum

To: NBB Members
From: Scott Hughes, Director of Governmental Affairs
Date: 11/16/07

Re: **IMPORTANT CLARIFICATION:** RIN Generation--Required Formula to be Used When Standardizing Biodiesel Volumes

This memo is in response to questions that have risen regarding the required formula to be used when standardizing volumes of biodiesel when assigning RINs under the Renewable Fuel Standard program.

Background

Regulations implementing the Renewable Fuel Standard include a requirement that in determining the standardized volume of a batch of biodiesel for purposes of generating RINs, the batch volumes shall be adjusted to a standard temperature of 60 degrees Fahrenheit.

The regulations further outline a specific formula that shall be used for biodiesel (mono-alkyl esters). *[This formula is based on research done specific to biodiesel and differs from that utilized in the ASTM density tables for petroleum fuels].*

The regulation citing is **80CFR1126(d)(7)(ii)**. A link directly to the regulation is: <http://www.epa.gov/otaq/renewablefuels/rfs-finalrule.pdf>. (See page 23995-23996).

Required Formula

Following is an excerpt from the final regulations containing the required formula to be used:

"§ 80.1126 How are RINs generated and assigned to batches of renewable fuel by renewable fuel producers or importers?"

"(7) Standardization of volumes. In determining the standardized volume of a batch of renewable fuel for purposes of generating RINs under this paragraph (d), the batch volumes shall be adjusted to a standard temperature of 60 °F."

"(ii) For biodiesel (mono alkyl esters), the following formula shall be used:

$$V_{s,b} = V_{a,b} * (-0.0008008 * T + 1.0480)$$

Where:

$V_{s,b}$ = Standardized volume of biodiesel at 60 °F, in gallons.

$V_{a,b}$ = Actual volume of biodiesel, in gallons.

T = Actual temperature of the batch, in °F."