



Weights and Measures Services Division

CBG Rule Update Workshops

April 5 and April 19, 2023

Background

- Began rulemaking in 2022
- Stakeholder meetings held April 12, April 14, May 31
- Notice of Proposed Rulemaking published July 22
- Notice of Final Rulemaking published February 3
- Effective March 5, 2023

Website

Visit our website,
agriculture.az.gov
for a copy of the
rules.

The screenshot shows the AZDA (Arizona Department of Agriculture) website. The header includes the AZDA logo and a search bar. The navigation menu has several items, with 'Weights & Measures' highlighted. The main content area is titled 'RULES, STATUTES, REFERENCES' and has 'View' and 'Edit' buttons. A sidebar on the left lists various categories, with 'STATUTES, RULES, AND REFERENCES' highlighted. The main content area contains links to 'Statutes and Rules', 'February 3, 2023, Arizona Administrative Register', and 'National Conference on Weights and Measures Handbooks'. There are also links to 'Motor Fuels', 'Scales', 'LPG/CNG', 'Retail Pricing', 'State Metrology Lab', 'Licensing', 'Make a Payment', 'File a Complaint', 'View Inspection Results', 'Consumer Tips', and 'WMSD Advisory Council'.

AZDA
ARIZONA
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Search this site

Apply/Renew Animals Plants/Produce Pests/Pest Control **Weights & Measures** Training/Assistance Provide Feedback

WEIGHTS & MEASURES

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RETAIL PRICING
STATE METROLOGY LAB
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FILE A COMPLAINT
VIEW INSPECTION RESULTS
CONSUMER TIPS +
STATUTES, RULES, AND REFERENCES
WMSD ADVISORY COUNCIL

RULES, STATUTES, REFERENCES

View Edit

Statutes and Rules

[Statutes and rules, effective March 5, 2023](#).

[February 3, 2023, Arizona Administrative Register](#) which highlights the changes from previous rules.

For official rules visit the Secretary of State, Title 3, Chapter 7.

For official statutes, visit the Arizona Legislature, Title 3, Chapter 19.

National Conference on Weights and Measures Handbooks

The following handbooks are referenced in rules and statutes.

Handbook 44, "Specifications, Tolerances, and Other Technical Requirements for Weighing and Measuring Devices," 2022 edition.

Handbook 130, "Uniform Laws and Regulations," 2022 edition.

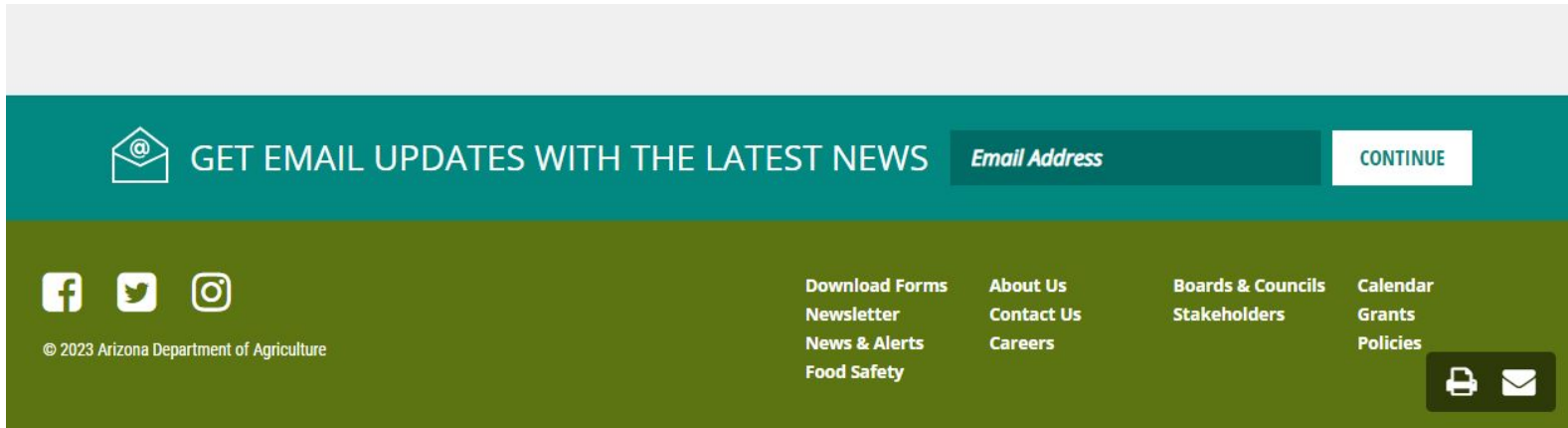
Handbook 133, "Checking the Net Contents of Packaged Goods," 2020 edition.

Rulemaking Activity

Email Updates

Go to <https://agriculture.az.gov/>

Scroll to bottom of the page to the banner:



The screenshot shows a teal banner with a white envelope icon containing an '@' symbol on the left. To its right is the text "GET EMAIL UPDATES WITH THE LATEST NEWS". Further right is a dark teal input field labeled "Email Address" and a white button with the text "CONTINUE".

Below the banner is a dark green footer section. On the left, there are three social media icons: Facebook, Twitter, and Instagram. Below these icons is the copyright notice: "© 2023 Arizona Department of Agriculture".

In the center of the footer, there are four columns of links:

- Download Forms
- Newsletter
- News & Alerts
- Food Safety

- About Us
- Contact Us
- Careers

- Boards & Councils
- Stakeholders

- Calendar
- Grants
- Policies

On the far right of the footer, there are two icons: a printer icon and an envelope icon.

Today's Workshop

- Provide an overview of the recent updates related to the Cleaner-Burning Gasoline (CBG) program
- Review the use of the CARBOB Model
- Questions and answers

Throughout Rules

- Removed option to fax - all communication through email (dwm@azda.gov)
- Many updates to improve readability

Registration - R3-7-750

- New definition - CBG Blender in R3-7-701
- New category for oxygenate blenders that recertify Arizona CBG under R3-7-755

New CBG Registration form has been posted on our website:

<https://agriculture.az.gov/sites/default/files/CBG%20Registration%20Form%202023.pdf>

Reporting/Elections/Standards R3-7-751

- Tables 1 and 2 that outline the CBG certification standards have been removed and the requirements incorporated into R3-7-751(D)
- General elections are no longer required to be reported (previously R3-7-751(D))

WEIGHTS AND MEASURES

AZDA
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WEIGHTS AND MEASURES SERVICES DIVISION
CTUTools AH Version 1.4 - 6/13/2019

az.gov

Cleaner Burning Fuel Current Elections

Filing Elections Is No Longer Required As Of March 5, 2023. Historical information is presented below.

<i>Election No.</i>	<i>Formulation</i>	<i>T50</i>	<i>T90</i>	<i>WT% Oxy</i>	<i>Sulfur</i>	<i>Aromatics</i>	<i>Olefins</i>	<i>NOX</i>	<i>VOC</i>	<i>Start Date</i>
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Reporting/Elections/Standards

R3-7-751 continued

- The PM notification is now due within 3 business days of transporting the PM alternative gasoline formulation.
- The registered supplier shall have a written process that is followed to verify the PM alternative gasoline formulation meets the applicable PM alternative specifications prior to transport. R3-7-751(G)

Instructions:

This form is for report the PM phase 2 results on as required in R3-7-751(G). The registered supplier shall submit this form within 3 business days of transporting the PM alternative gasoline formulation.

Reporting/Elections/Standards

R3-7-751 continued

- The maximum oxygenate content at retail has increased to 5.8% to allow the sale of E15 (R3-7-751(A)(7)(b))
- The allowance of compliance with the averaging standards has been removed from the rules

Reporting/Elections/Standards

R3-7-751 continued

- Type 2 formulations - if using the Predictive Model, it shall be certified with an oxygen content of 1.8 to 2.2 percent by weight (R3-7-751(I))
- Type 2 formulations - the CARBOB model may be used to determine the input parameters for the Predictive Model instead of preparation and laboratory analysis of an ethanol hand blend (R3-7-751(I))
- Rounding of values shall follow 40 CFR 1090.50 (R3-7-751(J))

Registered Supplier Requirements R3-7-752

Updated EPA references for computer-controlled in line blending exemption.

Pipelines/Third-party Terminals

R3-7-753

- Updated reporting deadline for pipelines to the 15th day of the month (from the 10th day) to match other reporting deadlines.

AZRBOB and Oxygenate Blending

R3-7-755

- Representative sample shall be prepared following ASTM D7717 or another test method approved by the EPA or CARB.
- Updated restrictions to allow the transfer of AZRBOB to a registered supplier that will recertify the blend under R3-7-755(F) (allows addition of oxygenates other than as specified on the PTD following specific regulatory requirements)

AZRBOB and Oxygenate Blending R3-7-755, continued

- Independent third party quality assurance testing was combined with the survey requirements in R3-7-760.
- The QA/QC program requirements previously referenced an EPA rule from 1996. For clarity, these requirements have been added to the rule instead of being referenced (R3-7-755(E)).
- Additional requirements were included for oxygenate blending at retail locations.

AZRBOB and Oxygenate Blending R3-7-755, continued

- A new section, R3-7-755(F) has been added that describes a process by which AZRBOB or Arizona CBG may be recertified for the addition of a different type or amount of oxygenate.
- R3-7-755(G) includes a reporting requirement for recertified AZRBOB/CBG.

Product Transfer Documents

R3-7-757

- Removed a requirement for the PTDs of oxygenates to have a statement regarding that the oxygenate complies with AZRBOB/CBG standards (former R3-7-757(G)).

Test Methods R3-7-759

- Updated the test methods to current standards allowed by CARB or EPA in Table A.
- Allows the use of alternate test methods if they meet criteria outlined in R3-7-759(D).

Compliance Surveys R3-7-760

- Updated the winter and summer compliance surveys into one comprehensive section R3-7-760.
- Updated requirements to better follow EPA and include E15.
- Exempts registered suppliers that supply less than 1,000,000 gallons within a calendar year.

CARBOB Model

On the website, go to Weights and Measures, Motor Fuels, Motor Fuel Quality, Cleaner Burning Gasoline as show in the picture:

The screenshot shows the AZDA (Arizona Department of Agriculture) website. The navigation menu includes 'Apply/Renew', 'Animals', 'Plants/Produce', 'Pests/Pest Control', 'Weights & Measures', 'Training/Assistance', and 'Provide Feedback'. The 'Weights & Measures' section is active, and the 'Motor Fuel Quality' sub-section is selected. The main content area displays the 'CLEANER BURNING GASOLINE (CBG)' page, which includes a search bar, a 'View' button, and a 'What is CBG?' section. The text in the 'What is CBG?' section explains that CBG stands for Cleaner Burning Gasoline and is required in certain areas of Arizona. It also mentions that CBG is also sold during the summer in Area C as required by A.R.S. § 3-3494. The page also includes a section for 'How Weights & Measures is Involved'.

Scroll towards the bottom of the page in the paragraphs titled “Emissions Models:”

Emissions Models

Modification of these spreadsheets could result in non-compliant specifications being generated. These spreadsheets are intended to only assist you. The use of this spreadsheet does not automatically assure compliance with the requirements in [Arizona Administrative Code](#) (A.A.C.) Title 3, Chapter 7, Article 7.

EPA Complex Model (Excel) to be used to certify Type 1 gasoline meets the emission reductions in A.A.C. R3-7-751 and Table 1.

The **California Predictive Model** (Excel) spreadsheet contains the predictive model procedures and calculations for the California Air Resources Board (CARB) Phase 2 PM alternative formulations for gasoline. Note: The point of compliance is the actual procedural document provided below, and not this spreadsheet.

Effective March 5, 2023, registered suppliers may use the **California Reformulated Gasoline Blendstock for Oxygenate Blending (CARBOB) Model** as a substitute for the preparation of an ethanol hand blend and use the fuel qualities calculated under the CARBOB Model for compliance and reporting purposes. See R3-7-751(l).

CARBOB Model

PRACTICE EXERCISE

Sample results for CARBOB Model:

	E0	E10
vapor pressure (ASTM)	7.52	8.73
T50	186.6	151.5
T90	294.8	286.7
Aromatics	9.3	7.91
Olefins	9.1	5.5
Ethanol		
Total Oxygen, Max		
Total Oxygen, Min		
Sulfur	11.2	9.8
Benzene	0.43	0.35

Question Regarding Benzene Cap Limit on Website

Parameter	Result	Cap Limit (Max)
T50	<input type="text"/> F	220 F
T90	<input type="text"/> F	330 F
O2Min	<input type="text"/> Wt %	1.8 Wt %
O2Max	<input type="text"/> Wt %	2.2 Wt %
Sulfur	<input type="text"/> ppm	80 ppm
Benzene	<input type="text"/> Vol %	1.20 Vol %
Aromatics	<input type="text"/> Vol %	30.0 Vol %
Olefins	<input type="text"/> Vol %	10.0 Vol %

Type 2 PM Alternative Performance Model		
	Max	Min
NOX	<input type="text"/>	<input type="text"/>
THC	<input type="text"/>	<input type="text"/>

Questions?

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