

**ADOPTED REGULATION OF THE STATE SEALER  
OF WEIGHTS AND MEASURES**

**LCB File No. R200-01**

Effective May 31, 2002

EXPLANATION – Matter in *italics* is new; matter in brackets ~~omitted material~~ is material to be omitted.

AUTHORITY: §§1-3, NRS 590.400; §4, NRS 590.073.

**Section 1.** NAC 590.010 is hereby amended to read as follows:

590.010 Except as otherwise provided in NAC 590.030:

1. The specifications for antifreeze based on ethylene glycol *and the specifications for antifreeze based on propylene glycol* contained in volume 15.05, “ Engine Coolants, ” of the ~~[1997 Annual Book of American Society for Testing and Materials (ASTM) Standards,]~~ 2001 Annual Book of ASTM Standards, ASTM designation ~~[D 3306-94,]~~ *D 3306-00a*, are hereby adopted by reference.

2. ~~[The specifications for antifreeze based on propylene glycol contained in volume 15.05, Engine Coolants, of the 1997 Annual Book of American Society for Testing and Materials (ASTM) Standards, ASTM designation D 5216-95, are hereby adopted by reference.~~

~~—3.]~~ The chemical and physical properties of any antifreeze other than those classified in subsection 1 ~~[or 2]~~ must be:

Water, mass % .....	5 max
Specific gravity 60°F/60°F .....	1.11 to 1.15
pH (33% by volume) 7.5 to 11 .....	7.5 to 11

Equilibrium boiling point .....	300°F min
Freezing point, 50% by volume .....	-34°F max
Foaming test	
Increase in volume at 5 minutes .....	150 ml max
Break time .....	5 sec max

~~[4.]~~ **3.** In addition to the properties listed in subsection ~~[3.]~~ **2**, any antifreeze other than those classified in subsection 1 ~~[or 2]~~ must meet the following specifications for corrosion (loss of weight per specimen):

Copper .....	10 mg max
Solder .....	20 mg max
Brass .....	10 mg max
Steel .....	10 mg max
Cast iron .....	10 mg max
Aluminum .....	30 mg max

*4. Any other test method may be used if the state sealer of weights and measures determines that another method produces results equivalent to the results of the specified method. A method approved by ASTM International that has not yet been published shall be deemed to meet the appropriate criteria.*

**Sec. 2.** NAC 590.030 is hereby amended to read as follows:

590.030 *1.* The minimum standards of chemical and physical properties for an antifreeze which:

~~1.)~~ (a) Is labeled as prediluted antifreeze; and

~~2.)~~ (b) Displays prominently on the front label the words “DO NOT ADD WATER,”

FLUSH contained in volume 15.05, “ Engine Coolants, ” of the ~~1998 Annual Book of American Society for Testing and Materials (ASTM) Standards,~~ 2001 Annual Book of ASTM Standards, ASTM designation ~~D 4656-95,~~ D 3306-00a, are hereby adopted by reference.

*2. Any other test method may be used if the state sealer of weights and measures determines that another method produces results equivalent to the results of the specified method. A method approved by ASTM International that has not yet been published shall be deemed to meet the appropriate criteria.*

**Sec. 3.** NAC 590.035 is hereby amended to read as follows:

590.035 Volume 15.05, “ Engine Coolants, ” of the ~~1998 Annual Book of American Society for Testing and Materials (ASTM) Standards,~~ 2001 Annual Book of ASTM Standards, is available for inspection at the office of the State Department of Agriculture, 350 Capitol Hill Avenue, Reno, Nevada 89502. The volume may be purchased at a cost of ~~89 from the American Society for Testing and Materials,~~ 140 from ASTM International, 100 Barr ~~Harber~~ Harbor Drive, West Conshohocken, Pennsylvania 19428.

**Sec. 4.** NAC 590.055 is hereby amended to read as follows:

590.055 *1.* The state sealer of weights and measures hereby adopts by reference the specifications for aviation fuel contained in volume 05.01, “ Petroleum Products and Lubricants ~~1.)~~ (I), ” of the ~~1998 Annual Book of American Society for Testing and Materials (ASTM)~~

~~Standards,] 2002 Annual Book of ASTM Standards, ASTM designations [D 910-97 and D 1655-97.] D 910-00 and D 1655-01.~~

*2. Any other test method may be used if the state sealer of weights and measures determines that another method produces results equivalent to the results of the specified method. A method approved by ASTM International that has not yet been published shall be deemed to meet the appropriate criteria.*

**NOTICE OF ADOPTION OF PROPOSED REGULATION**  
**LCB File No. R200-01**

The State Sealer of Weights and Measures adopted regulations assigned LCB File No. R200-01 which pertain to chapter 590 of the Nevada Administrative Code on March 26, 2002.

**Notice date:** 2/12/2002  
**Hearing date:** 3/26/2002

**Date of adoption by agency:** 3/26/2002  
**Filing date:** 5/31/2002

**INFORMATIONAL STATEMENT**

1. Public workshops and hearings were held on February 27, 2002, in Reno, Nevada, at the Nevada Department of Agriculture office located at 350 Capitol Hill Avenue and on February 26, 2002 in Las Vegas, Nevada at the Clark County Air Quality Department office located at 500 S. Grand Central Avenue.

Notice of workshop and hearing was posted at all six Department offices, the Nevada State Library in Carson City, Nevada, and all Nevada County Libraries. Copies could be requested from the Nevada Department of Agriculture by writing to 350 Capitol Hill Avenue Reno, Nevada 89502, calling (775) 688-1180, contacting all other Department offices, the Nevada State Library in Carson City, all Nevada County Libraries or at the department website. All 183 persons who have requested to be notified of amendments were notified by mail.

2. Workshop held February 27, 2002-Reno  
6 people attended  
There were no oral comments.  
Written comments were received by Lew Gibbs of Chevron and are attached. The comments focused on using newer versions of ASTM methods, and those in attendance agreed that it should be done assuming they did not affect the specifications.

Workshop held February 26, 2002-Las Vegas  
7 people attended  
There were no oral comments.  
Written comments were received by Lew Gibbs of Chevron and are attached. The comments focused on using newer versions of ASTM methods, and those in attendance agreed that it should be done assuming they did not affect the specifications.

The Public Hearing and Board of Agriculture Approval took place on March 26, 2002. The Board approved the changes to the regulations with the appropriate amendments to update to the 2002 Annual Book of ASTM International standards.

3. Comments were solicited from business and the public by posting in public locations and through direct mail notices as outlined in #1 above. The oral and written comments submitted were submitted as above. A copy of the comments may be obtained by calling

the Nevada Department of Agriculture office, (775) 688-1180 or accessing the department website at <http://agri.state.nv.us>.

The Public Hearing and Board of Agriculture Approval took place on March 26, 2002. The Board approved the changes to the regulations with the appropriate amendments to update to the 2002 Annual Book of ASTM International standards.

4. The economic effects of the adopted amendments on the business which it is to regulate include:
  - a. Adverse effects:  
None
  - b. Beneficial effects:  
None.
  - c. Immediate and long-term economic effects:  
The adverse and beneficial effects are the same for immediate and long-term.
5. Economic effects of the proposed amendments on the public include:
  - a. Adverse effects:  
None
  - b. Beneficial effects:  
None.
  - c. Immediate and long-term effects:  
The adverse and beneficial effects are the same for the immediate and long-term.
6. Economic cost to the agency for the enforcement of the regulation:  
There will not be any additional cost to the agency to enforce the amendments adopted.
7. There are no other state or federal agency regulations for which the adopted amendments overlap or duplicate.
8. The amendments adopted do not include any provisions more stringent than any federal regulation with the same activity.
9. This regulation does not establish or increase any fees.



The Nevada Department of Agriculture held workshops to discuss the amendment of regulations pertaining to Chapter 590 of the Nevada Administrative Code. Chapter 590 deals with fuel quality standards. Workshops were held on February 26, 2002 in Las Vegas, Nevada and February 27, 2002 in Reno, Nevada

Attendees at the meeting at 500 S. Grand Central Avenue, Las Vegas, Nevada

<b>Name</b>	<b>Organization</b>
Ronald Levine	Nevada Motor Transport Association
Peter Krueger	Nevada Petroleum Marketers & Convenience Store Association
Dennis Ransel	Clark County Department of Air Quality Management
John Conley	Nevada Department of Agriculture
John Saxon	Haycock Petroleum Company
Dennis Moothart	Interstate Oil Company
James Weaver	Nevada Department of Motor Vehicles - Motor Carrier Division

Attendees at the meeting at 350 Capitol Hill Avenue, Reno, Nevada

<b>Name</b>	<b>Organization</b>
Yann Ling	Washoe County Health Department - Air Quality Management
Steve Grabski	Nevada Department of Agriculture
Lisa Foster	AAA
Vern McFarlin	City of Sparks
Dan Powell	Nevada Department of Transportation
Peter Konesky	Nevada State Energy Office

Notices of the workshops were posted at the Nevada Department of Agriculture offices in Reno, Sparks, Las Vegas, Winnemucca and Elko, at the Nevada State Library in Carson City, and all county libraries. It may also be accessed at the Nevada Department of Agriculture website at <http://agri.state.nv.us>. In addition, notices were mailed to 183 individuals who had expressed an interest in receiving notices regarding petroleum issues.

Notes and comments:

The audience introduced themselves.

The process of workshop, hearing and Board of Agriculture approval was explained to the audience.

**NAC 590 REFERENCE UPDATES**

There were no oral comments received.

The written comments submitted by Lew Gibbs of Chevron were explained to the audience and it was agreed to pursue the update to the 2002 annual book assuming there were no specific changes.