

State of California  
AIR RESOURCES BOARD

Resolution 87-66

August 13, 1987

Agenda Item No.: 87-11-2

WHEREAS, Sections 39600 and 39601 of the Health and Safety Code authorize the Air Resources Board (the "Board") to adopt standards, rules and regulations necessary for the proper execution of the powers and duties granted to and imposed upon the Board by law;

WHEREAS, Health and Safety Code Section 43831 provides that the Board shall establish, by regulation, maximum standards for the degree of unsaturation at a bromine number 30 as established by the American Society for Testing and Materials ("ASTM") Test Method D 1159-66, or by an appropriate test determined by the Board, for gasoline sold in the South Coast Air Basin designated by the Board;

WHEREAS, Health and Safety Code Section 43831 further provides that in adopting the regulations the Board shall give full consideration to climatic conditions and may provide that the maximum standards are applicable only during those periods of time which the Board determines are necessary in order to carry out the purposes of Division 26 of the Health and Safety Code;

WHEREAS, the Board has adopted Title 13, California Administrative Code, Section 2250 which limits the degree of unsaturation of gasoline sold in the South Coast Air Basin as a fuel for motor vehicles to that indicated by a bromine number of 30 as determined by ASTM Test Method D 1159-77, and defines "gasoline" as any petroleum distillate having a Reid vapor pressure of more than four pounds as defined by the applicable ASTM method;

WHEREAS, ASTM Test Method D 1159-77 contains a provision stating that the method is not generally applicable to gasoline when blending agents such as alcohols, ethers, ketones, and amines are present;

WHEREAS, ethanol, methanol, and tert-butyl alcohol ("TBA") blending components have been used to some extent in California gasoline for several years, and ARCO Chemical Company has indicated an intent to make available methyl tert-butyl ether ("MTBE") as a gasoline blending component in California;

WHEREAS, the Board staff has prepared a report recommending that the Board adopt and incorporate in Title 13, California Administrative Code, Section 2250 an updated version of the current bromine number test method with a provision explicitly stating that the method applies to blends of gasoline containing ethanol, methanol, TBA and MTBE, and revise the definition of gasoline;

WHEREAS, the California Environmental Quality Act and Board regulations require that no project having significant adverse environmental impacts be adopted as proposed if feasible alternatives or mitigation measures are available;

WHEREAS, a public hearing and other administrative proceedings have been held in accordance with the provisions of Chapter 3.5 (commencing with Section 11340), Part 1, Division 3, Title 2 of the Government Code; and

WHEREAS, the Board finds that:

Applying the bromine number ASTM test method techniques to blends of gasoline containing ethanol, methanol, TBA and MTBE yields valid bromine number results for such blends;

The test method set forth in Attachment B is identical in all material respects to ASTM Test Method D 1159-84 except that its scope clearly applies to determining the bromine number of gasoline containing methanol, ethanol, TBA or MTBE, and ASTM Test Method D 1159-84 is in turn substantively identical to ASTM Test Method D 1159-77;

The amendments adopted herein, including the revision of the definition of gasoline, are necessary to help ensure that the bromine number limitation is enforceable with reference to gasoline blends containing methanol, ethanol, TBA and MTBE; and

The amendments adopted herein will have no significant adverse environmental impacts.

NOW, THEREFORE BE IT RESOLVED, that the Board adopts the amendments to Title 13, California Administrative Code, Section 2250, as set forth in Attachment A.

BE IT FURTHER RESOLVED, that the Board adopts the proposed test method for determining the bromine number of gasoline as set forth in Attachment B.

I hereby certify that the above is a true and correct copy of Resolution 87-66, as adopted by the Air Resources Board.

  
Harold Holmes, Board Secretary

Amend § 2250, Title 13, California Administrative Code, to read as follows:

2250. Degree of Unsaturation for Gasolines.

(a) No person shall ~~after April 1, 1971,~~ sell or supply within the South Coast Air Basin (as defined on January 1, 1976) as a fuel for motor vehicles as defined by the Vehicle Code of the State of California, a gasoline having a degree of unsaturation greater than that indicated by a Bromine Number of 30 as determined ~~by ASTM Test Method D-1159-77~~ according to the "Test Method for Determining Bromine Number of Gasoline," as adopted by the Air Resources Board on [insert date of adoption] and incorporated herein by reference.

(b) For the purpose of this rule, the term "gasoline" means any ~~petroleum distillate having a Reid Vapor Pressure of more than four pounds as defined by ASTM Method D-323-58~~ fuel which is commonly or commercially known or sold as gasoline, or any fuel sold to power a vehicle certified by the state board as a gasoline-powered vehicle without modifying the vehicle.

NOTE: Authority cited: Sections 39600, 39601, 43013, 43101 and 43831, Health and Safety Code. Reference: Sections 39000-39003, 39500, 39606, 43000, 43013, 43101 and 43831, Health and Safety Code; and Western Oil and Gas Association v. Orange County APCD, 14 Cal.3d 411, 121 Cal.Rptr. 249 (1975).

State of California  
AIR RESOURCES BOARD

Response to Significant Environmental Issues

Item : Public Hearing to Consider Amendments to Regulation  
Regarding the Degree of Unsaturation of Gasoline Sold as  
Motor Vehicle Fuel in the South Coast Air Basin

Agenda Item No.: 87-11-2

Public Hearing Date: August 13, 1987

Response Date: August 13, 1987

Issuing Authority: Air Resources Board

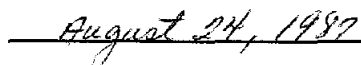
Comment: No comments were received identifying any significant  
environmental issues pertaining to this item. The  
staff report identified no adverse environmental  
effects.

Response: N/A

Certified:

  
Board Secretary

Date:



State of California

MEMORANDUM

To : Gordon Van Vleck  
Secretary  
Resources Agency

Date : January 13, 1988

Subject : Filing of Notice  
of Decisions of  
the Air Resources  
Board

  
Cary Allison  
Board Secretary

From : Air Resources Board

Pursuant to Title 17, Section 60007 (b), and in compliance with Air Resources Board certification under Section 21080.5 of the Public Resources Code, the Air Resources Board hereby forwards for posting the attached notice of decisions and response to environmental comments raised during the comment period.

ATTACHMENTS

86-68  
86-70  
86-71  
86-94  
86-98  
86-99  
86-115  
87-9  
87-61  
87-62  
87-66  
88-1  
88-8