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# Guide on Federal and State Summer RVP Standards for Conventional Gasoline Only

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Transportation and Regional Programs Division  
Office of Transportation and Air Quality  
U.S. Environmental Protection Agency

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This guide is intended for quick reference purposes only. Federal volatility regulations (40 CFR 80.27) apply to “designated volatility nonattainment areas” and to “designated volatility attainment areas,” as defined in 40 CFR 80.2(cc) and 80.2(dd), respectively. For this quick reference guide, we have listed RVP (Reid Vapor Pressure) limits by county, which may not coincide precisely with the borders of a nonattainment or attainment area. We have not listed RVP limits which may apply through voluntary agreements for supply of lower RVP fuel than what is otherwise required for an area. For a brief description of the federal fuel volatility regulations, see below. For specific information regarding borders, please consult your respective EPA regional office.

### Summary of Federal Fuel Volatility Regulations at 40 CFR 80.27:

- For all regulated parties except retailers and wholesale purchaser-consumers, maximum standards generally take effect May 1.
- Standards for June 1 to September 15 are maximum standards for all regulated parties including retailers and wholesale purchaser-consumers, unless state has an extended summer season as part of the federally-approved SIP (e.g. Arizona, Eastern Texas).
- Gasoline alcohol blends meeting requirements of 40 CFR 80.27(d) have 1.0 psi waiver of applicable RVP standard unless:
  - 1) the State has adopted and enforces a SIP-approved RVP standard which does not provide for the 1.0 psi waiver (e.g. Maine, New York, Pennsylvania, Texas);
  - 2) the State has received EPA approval to opt-out of the 1.0 psi waiver provision per Section 1501(c) of the Energy Policy Act of 2005 [Clean Air Act 211(h)(5), as amended]; or
  - 3) the State uses reformulated gasoline (RFG), which has a more stringent VOC performance standard. Additional information about RFG can be found at [www.epa.gov/otaq/rfg.htm](http://www.epa.gov/otaq/rfg.htm).
- Alaska, Hawaii, and U.S. territories are exempted from federal volatility regulations.

State	County/ Parish	City	Month & RVP PSI Max				
			May	June	July	Aug	Sept 1-15
AL	Jefferson	Birmingham	9.0	7.0 <sup>A</sup>	7.0	7.0	7.0
AL	Shelby		9.0	7.0 <sup>A</sup>	7.0	7.0	7.0
AL	All others		9.0	9.0	9.0	9.0	9.0
AR	All counties		9.0	9.0	9.0	9.0	9.0
AZ	Maricopa (part)	Phoenix	9.0	7.0 <sup>A</sup>	7.0	7.0	7.0 (Sept. 30)
AZ	All others		9.0	9.0	9.0	9.0	9.0
CA	(See EPA RFG list) <sup>B</sup>						

State	County/ Parish	City	Month & RVP PSI Max				
			May	June	July	Aug	Sept 1-15
CA	All counties implement a version of the California Reformulated Gasoline Program, which enforces RVP standards more stringent than the federal requirements. Standards and compliance periods vary by air basin; please refer to the California Air Resources Board website for additional details: <a href="http://www.arb.ca.gov/fuels/fuels.htm">http://www.arb.ca.gov/fuels/fuels.htm</a>						
CO	Adams		9.0	7.8	7.8	7.8	7.8
CO	Arapahoe		9.0	7.8	7.8	7.8	7.8
CO	Boulder	Boulder	9.0	7.8	7.8	7.8	7.8
CO	Broomfield		9.0	7.8	7.8	7.8	7.8
CO	Denver	Denver	9.0	7.8	7.8	7.8	7.8
CO	Douglas		9.0	7.8	7.8	7.8	7.8
CO	Jefferson		9.0	7.8	7.8	7.8	7.8
CO	Larimer (part)		9.0	7.8	7.8	7.8	7.8
CO	Weld (part)		9.0	7.8	7.8	7.8	7.8
CO	All others		9.0	9.0	9.0	9.0	9.0
CT	(See EPA RFG list) <sup>B</sup>						
DC	(See EPA RFG list) <sup>B</sup>						
DE	(See EPA RFG list) <sup>B</sup>						
FL	Broward		9.0	7.8	7.8	7.8	7.8
FL	Dade	Miami	9.0	7.8	7.8	7.8	7.8
FL	Duval	Jacksonville	9.0	7.8	7.8	7.8	7.8
FL	Hillsborough	Tampa	9.0	7.8	7.8	7.8	7.8
FL	Palm Beach		9.0	7.8	7.8	7.8	7.8
FL	Pinellas		9.0	7.8	7.8	7.8	7.8
FL	All others		9.0	9.0	9.0	9.0	9.0
GA	See Footnote <sup>C</sup> for list of 45 counties affected	Atlanta area	9.0	7.0 <sup>A</sup>	7.0	7.0	7.0
GA	All others		9.0	9.0	9.0	9.0	9.0
ID	All counties		9.0	9.0	9.0	9.0	9.0
IL	Madison	E. St. Louis	9.0	7.2 <sup>D</sup>	7.2	7.2	7.2
IL	Monroe		9.0	7.2 <sup>D</sup>	7.2	7.2	7.2

State	County/ Parish	City	Month & RVP PSI Max				
			May	June	July	Aug	Sept 1-15
IL	St. Clair		9.0	7.2 <sup>D</sup>	7.2	7.2	7.2
IL	All other conventional gasoline counties		9.0	9.0	9.0	9.0	9.0
IL	(See EPA RFG list) <sup>B</sup>						
IN	Clark		7.8 <sup>A</sup>	7.8	7.8	7.8	7.8
IN	Floyd		7.8 <sup>A</sup>	7.8	7.8	7.8	7.8
IN	All other conventional gasoline counties		9.0	9.0	9.0	9.0	9.0
IN	(See EPA RFG list) <sup>B</sup>						
IA	All counties		9.0	9.0	9.0	9.0	9.0
KS	Johnson		9.0	7.0 <sup>A</sup>	7.0	7.0	7.0
KS	Wyandotte	Kansas City	9.0	7.0 <sup>A</sup>	7.0	7.0	7.0
KS	All others		9.0	9.0	9.0	9.0	9.0
KY	All conventional gasoline counties		9.0	9.0	9.0	9.0	9.0
KY	(See EPA RFG list) <sup>B</sup>						
LA	Ascension		9.0	7.8	7.8	7.8	7.8
LA	Beauregard		9.0	7.8	7.8	7.8	7.8
LA	Calcasieu	Lake Charles	9.0	7.8	7.8	7.8	7.8
LA	E Baton Rouge	Baton Rouge	9.0	7.8	7.8	7.8	7.8
LA	Iberville		9.0	7.8	7.8	7.8	7.8
LA	Jefferson		9.0	7.8	7.8	7.8	7.8
LA	Lafayette		9.0	7.8	7.8	7.8	7.8
LA	Lafourche		9.0	7.8	7.8	7.8	7.8
LA	Livingston		9.0	7.8	7.8	7.8	7.8
LA	Orleans	New Orleans	9.0	7.8	7.8	7.8	7.8
LA	Point Coupee		9.0	7.8	7.8	7.8	7.8
LA	St Bernard		9.0	7.8	7.8	7.8	7.8
LA	St Charles		9.0	7.8	7.8	7.8	7.8
LA	St James		9.0	7.8	7.8	7.8	7.8

State	County/ Parish	City	Month & RVP PSI Max				
			May	June	July	Aug	Sept 1-15
LA	St Mary		9.0	7.8	7.8	7.8	7.8
LA	W Baton Rouge		9.0	7.8	7.8	7.8	7.8
LA	All others		9.0	9.0	9.0	9.0	9.0
MA	(See EPA RFG list) <sup>B</sup>						
MD	All conventional gasoline counties		9.0	9.0	9.0	9.0	9.0
MD	(See EPA RFG list) <sup>2</sup>						
ME	Androscoggin		7.8 <sup>A,E</sup>	7.8	7.8	7.8	7.8
ME	Cumberland	Portland	7.8 <sup>A,E</sup>	7.8	7.8	7.8	7.8
ME	Kennebec	Augusta	7.8 <sup>A,E</sup>	7.8	7.8	7.8	7.8
ME	Knox		7.8 <sup>A,E</sup>	7.8	7.8	7.8	7.8
ME	Lincoln		7.8 <sup>A,E</sup>	7.8	7.8	7.8	7.8
ME	Sagadahoc		7.8 <sup>A,E</sup>	7.8	7.8	7.8	7.8
ME	York		7.8 <sup>A,E</sup>	7.8	7.8	7.8	7.8
ME	All others		9.0 <sup>A,E</sup>	9.0	9.0	9.0	9.0
MI	Lenawee		9.0	7.0 <sup>A</sup>	7.0	7.0	7.0
MI	Livingston		9.0	7.0 <sup>A</sup>	7.0	7.0	7.0
MI	Macomb		9.0	7.0 <sup>A</sup>	7.0	7.0	7.0
MI	Monroe		9.0	7.0 <sup>A</sup>	7.0	7.0	7.0
MI	Oakland		9.0	7.0 <sup>A</sup>	7.0	7.0	7.0
MI	St. Clair		9.0	7.0 <sup>A</sup>	7.0	7.0	7.0
MI	Washtenaw	Ann Arbor	9.0	7.0 <sup>A</sup>	7.0	7.0	7.0
MI	Wayne	Detroit	9.0	7.0 <sup>A</sup>	7.0	7.0	7.0
MI	All others		9.0	9.0	9.0	9.0	9.0
MN	All counties		9.0	9.0	9.0	9.0	9.0
MT	All counties		9.0	9.0	9.0	9.0	9.0
MO	Clay		9.0	7.0 <sup>A</sup>	7.0	7.0	7.0
MO	Jackson	Kansas City	9.0	7.0 <sup>A</sup>	7.0	7.0	7.0
MO	Platte		9.0	7.0 <sup>A</sup>	7.0	7.0	7.0

State	County/ Parish	City	Month & RVP PSI Max				
			May	June	July	Aug	Sept 1-15
MO	All other conventional gasoline counties		9.0	9.0	9.0	9.0	9.0
MO	(See EPA RFG list) <sup>B</sup>						
MS	All counties		9.0	9.0	9.0	9.0	9.0
NC	Davidson		9.0	7.8	7.8	7.8	7.8
NC	Davie (part)		9.0	7.8	7.8	7.8	7.8
NC	Durham		9.0	7.8	7.8	7.8	7.8
NC	Forsyth	Winston-Salem	9.0	7.8	7.8	7.8	7.8
NC	Gaston		9.0	7.8	7.8	7.8	7.8
NC	Granville (part)		9.0	7.8	7.8	7.8	7.8
NC	Guilford	Greensboro	9.0	7.8	7.8	7.8	7.8
NC	Mecklenburgh	Charlotte	9.0	7.8	7.8	7.8	7.8
NC	Wake	Raleigh	9.0	7.8	7.8	7.8	7.8
NC	All others		9.0	9.0	9.0	9.0	9.0
NE	All counties		9.0	9.0	9.0	9.0	9.0
NH	All conventional gasoline counties		9.0	9.0	9.0	9.0	9.0
NH	(See EPA RFG list) <sup>B</sup>						
NJ	(See EPA RFG list) <sup>B</sup>						
NM	All counties		9.0	9.0	9.0	9.0	9.0
ND	All counties		9.0	9.0	9.0	9.0	9.0
NV	Washoe	Reno	9.0	7.8	7.8	7.8	7.8
NV	All others		9.0	9.0	9.0	9.0	9.0
NY	All conventional gasoline counties		9.0 <sup>A,E</sup>	9.0	9.0	9.0	9.0
NY	(See EPA RFG list) <sup>2</sup>						
OH	Butler		9.0	7.8 <sup>A</sup>	7.8	7.8	7.8
OH	Clark		9.0	7.8 <sup>A</sup>	7.8	7.8	7.8
OH	Clermont		9.0	7.8 <sup>A</sup>	7.8	7.8	7.8
OH	Clinton		9.0	7.8 <sup>A</sup>	7.8	7.8	7.8

State	County/ Parish	City	Month & RVP PSI Max				
			May	June	July	Aug	Sept 1-15
OH	Greene		9.0	7.8 <sup>A</sup>	7.8	7.8	7.8
OH	Hamilton	Cincinnati	9.0	7.8 <sup>A</sup>	7.8	7.8	7.8
OH	Miami		9.0	7.8 <sup>A</sup>	7.8	7.8	7.8
OH	Montgomery	Dayton	9.0	7.8 <sup>A</sup>	7.8	7.8	7.8
OH	Warren		9.0	7.8 <sup>A</sup>	7.8	7.8	7.8
OH	All counties		9.0	9.0	9.0	9.0	9.0
OK	All counties		9.0	9.0	9.0	9.0	9.0
OR	Clackamas		9.0	7.8	7.8	7.8	7.8
OR	Multnomah	Portland	9.0	7.8	7.8	7.8	7.8
OR	Washington		9.0	7.8	7.8	7.8	7.8
OR	Marion (part)	Salem	9.0	7.8	7.8	7.8	7.8
OR	Polk (part)		9.0	7.8	7.8	7.8	7.8
OR	All others		9.0	9.0	9.0	9.0	9.0
PA	Allegheny	Pittsburgh	7.8 <sup>A,E</sup>	7.8	7.8	7.8	7.8
PA	Armstrong		7.8 <sup>A,E</sup>	7.8	7.8	7.8	7.8
PA	Beaver		7.8 <sup>A,E</sup>	7.8	7.8	7.8	7.8
PA	Butler		7.8 <sup>A,E</sup>	7.8	7.8	7.8	7.8
PA	Fayette		7.8 <sup>A,E</sup>	7.8	7.8	7.8	7.8
PA	Washington		7.8 <sup>A,E</sup>	7.8	7.8	7.8	7.8
PA	Westmoreland		7.8 <sup>A,E</sup>	7.8	7.8	7.8	7.8
PA	All other conventional gasoline counties		9.0	9.0	9.0	9.0	9.0
PA	(See EPA RFG list) <sup>B</sup>						
RI	(See EPA RFG list) <sup>B</sup>						
SC	All counties		9.0	9.0	9.0	9.0	9.0
SD	All counties		9.0	9.0	9.0	9.0	9.0
TN	Davidson	Nashville	9.0	7.8	7.8	7.8	7.8
TN	Rutherford		9.0	7.8	7.8	7.8	7.8

State	County/ Parish	City	Month & RVP PSI Max				
			May	June	July	Aug	Sept 1-15
TN	Shelby	Memphis	9.0	7.8	7.8	7.8	7.8
TN	Sumner		9.0	7.8	7.8	7.8	7.8
TN	Williamson		9.0	7.8	7.8	7.8	7.8
TN	Wilson		9.0	7.8	7.8	7.8	7.8
TN	All others		9.0	9.0	9.0	9.0	9.0
TX	See Footnote <sup>F</sup> for list of 95 counties affected	Eastern Texas	7.8 <sup>A,E</sup>	7.8	7.8	7.8	7.8 (Oct 1)
TX	El Paso	El Paso	7.0 <sup>A,E</sup>	7.0	7.0	7.0	7.0
TX	Hardin		9.0	7.8	7.8	7.8	7.8
TX	Jefferson	Beaumont	9.0	7.8	7.8	7.8	7.8
TX	Orange		9.0	7.8	7.8	7.8	7.8
TX	All other conventional gasoline counties		9.0	9.0	9.0	9.0	9.0
TX	(See EPA RFG List) <sup>B</sup>						
UT	Davis		9.0	7.8	7.8	7.8	7.8
UT	Salt Lake	Salt Lake City	9.0	7.8	7.8	7.8	7.8
UT	All others		9.0	9.0	9.0	9.0	9.0
VA	All conventional gasoline counties		9.0	9.0	9.0	9.0	9.0
VA	(See EPA RFG List) <sup>B</sup>						
VT	All counties		9.0	9.0	9.0	9.0	9.0
WA	All counties		9.0	9.0	9.0	9.0	9.0
WV	All counties		9.0	9.0	9.0	9.0	9.0
WI	All conventional gasoline counties		9.0	9.0	9.0	9.0	9.0
WI	(See EPA RFG List) <sup>B</sup>						
WY	All counties		9.0	9.0	9.0	9.0	9.0

## Notes to Federal and State RVP Standards

- A State has received a waiver under Clean Air Act 211(c)(4)(C) to adopt a state fuel program, more stringent than federal requirements, into the federally-approved State Implementation Plan (SIP). State fuel program may also define a volatility level and compliance date for refiners and/or terminals different than the compliance date for retailers. Potentially affected parties should refer to the SIP or contact the State for more information about proper compliance.
- B Indicates there are counties or areas in counties in the state which have reformulated gasoline (RFG) requirements. See EPA's "List of Federal Reformulated Gasoline Program Areas" at [www.epa.gov/otaq/rfg/whereyoulive.htm](http://www.epa.gov/otaq/rfg/whereyoulive.htm). RFG areas must meet a VOC emissions performance reduction standard per 40 CFR 80.41.
- C GA - Atlanta area counties include: Banks, Barrow, Bartow, Butts, Carroll, Chattooga, Cherokee, Clarke, Clayton, Cobb, Coweta, Dawson, DeKalb, Douglas, Fayette, Floyd, Forsyth, Fulton, Gordon, Gwinnett, Hall, Haralson, Heard, Henry, Jackson, Jasper, Jones, Lamar, Lumpkin, Madison, Meriwether, Monroe, Morgan, Newton, Oconee, Paulding, Pickens, Pike, Polk, Putnam, Rockdale, Spalding, Troup, Upson, and Walton.
- D Madison, Monroe, and St. Clair counties are RFG covered areas; however, a SIP requirement of 7.2 psi RVP is still in place.
- E State fuel program in federally-approved SIP does not provide for use of a 1.0 psi ethanol waiver under 40 CFR 80.27(d). The 1.0 psi ethanol waiver is not applicable during the entire volatility control period defined in the SIP (e.g. May 1 – September 15).
- F TX - Eastern Texas counties include: Anderson, Angelina, Aransas, Atascosa, Austin, Bastrop, Bee, Bell, Bexar, Bosque, Bowie, Brazos, Burleson, Caldwell, Calhoun, Camp, Cass, Cherokee, Colorado, Comal, Cooke, Coryell, De Witt, Delta, Ellis, Falls, Fannin, Fayette, Franklin, Freestone, Goliad, Gonzales, Grayson, Gregg, Grimes, Guadalupe, Harrison, Hays, Henderson, Hill, Hood, Hopkins, Houston, Hunt, Jackson, Jasper, Johnson, Karnes, Kaufman, Lamar, Lavaca, Lee, Leon, Limestone, Live Oak, Madison, Marion, Matagorda, McLennan, Milam, Morris, Nacogdoches, Navarro, Newton, Nueces, Panola, Parker, Polk, Rains, Red River, Refugio, Robertson, Rockwall, Rusk, Sabine, San Jacinto, San Patricio, San Augustine, Shelby, Smith, Somervell, Titus, Travis, Trinity, Tyler, Upshur, Van Zandt, Victoria, Walker, Washington, Wharton, Williamson, Wilson, Wise, and Wood.