



US Environmental Protection Agency
Air and Radiation
Office of Transportation and Air Quality

EPA-420-B-03-003
October 2001

State Winter Oxygenated Fuel Program Requirements for Attainment or Maintenance of CO NAAQS

Area (C/MSA)	State/ Region	Control Period/Oxygen Content	Type	Comments
El Paso	TX/R6	10/1 - 3/31 2.7% Approved SIP	100% Ethanol	Continues to implement oxy program. TNRCC expanded the federal control period to begin Oct. 1 and end on March 31.
Denver/ Boulder	CO/R8	11/1 to Feb. 7 AVG 3.1% Approved SIP	100% Ethanol	Proposed redesignation to attainment was published in the FR on 8-22-01.
Ft. Collins	CO/R8	11/1 to Feb. 7 AVG 3.1% Approved SIP	100% Ethanol	Working on redesignation request. Tentatively scheduled to be submitted to EPA by Spring 2002.
Missoula	MT/R8	11/1 - 2/29 2.7% Approved SIP	100% Ethanol	Voluntary ethanol only. Will continue to implement program.
Provo/Orem	UT/R8	11/1 - 2/29 AVG 3.1% 3.1 to 2.7*	100% Ethanol	Continues to implement program. State has approved and is scheduled to submit to EPA a request for revision of the oxy content from 3.1% to 2.7%
Las Vegas	NV/R9	10/1 - 3/31 3.5%	100% Ethanol	EPA audited in '94 Final redesignation to CO "serious" non-attainment area was published in the FR on 10-2-97 (62 FR 51604-51606).
Phoenix	AZ/R9	11/15 - 3/31 3.5%	100% Ethanol	EPA audited Dec. '94 Final redesignation to CO "serious" non-attainment area was published in the FR on 7-29-96 (61 FR 39343-39347).
Los Angeles	CA/R9	10/1 - 2/29 1.8% to 2.2% Approved SIP	85% MTBE 15% Ethanol	OXY & RFG Classified as a "serious" CO non-attainment area.
Reno	NV/R9	10/1 - 1/31 2.7%	100% Ethanol	EPA audited in Jan. '94. Has data to redesignate -- working on redesignation request.
Klamath Co.	OR/R10	11/1 - 2/29 2.7% Approved SIP	100% Ethanol	Has data to redesignate -- working on redesignation request. State plans to submit a redesignation request to EPA by Dec. 99 -- state is unsure as to whether or not the oxy program will continue to be implemented as a control measure.
Medford	OR/R10	11/1 - 2/29 2.7% Approved SIP	100% Ethanol	Has data to redesignate -- working on redesignation request. State has submitted a redesignation request to EPA -- EPA is working on request.
Fairbanks	AK/R10	11/1 - 2/29*		Final redesignation to CO "serious" non-attainment area was published in the FR on 2-27-98 (63 FR 9945-9948). EPA is currently working with Alaska to identify various CO control strategies and options to address the areas CO problems. *Area is not implementing oxy program.
Anchorage	AK/R10	11/1 - 2/29 2.7%	100% Ethanol	Ethanol only program. Will Implement program for the 99/00 season. Final redesignation to CO "serious" non-attainment area was published in the FR on 6-12-98 (63 FR 32128-32131). EPA is currently working with Alaska to identify various CO control strategies and options to address the areas CO problems.
Spokane	WA/R10	9/1 - 2/29 3.5% Approved SIP	100% Ethanol	Final redesignation to CO "serious" non-attainment area was published in the FR on 3-12-98 (63 FR 12007-12013)

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Albuquerque	NM/R6	11/1 - 2/29 2.7%	100% Ethanol	Program is part of the CO maintenance plan
Portland	OR/R10	11/1 - 2/29 2.7%		Redesignation plan keeps oxy program in the maintenance plan
Tucson	AZ/R9	10/1 - 3/31 5.2 to 10 volume %	100% Ethanol	oxy program in the maintenance plan
Grants Pass	OR/R10	11/1 - 2/29		SIP revision keeps oxy program in maintenance plan

Areas No Longer Implementing the Winter Oxy Program

Area (C/MSA)	State/Region	Redesignation/SIP Change Published in FR	Effective Date	Comments
Syracuse	NY/R2	Sept. 29, 1993	Sept. 29, 1993	
Greensboro	NC/R4	Sept. 21, 1994	Nov. 7, 1994	
Cleveland	OH/R5	Feb. 4, 1994	March 7, 1994	
Duluth	MN/R5	April 14 ,1994	June 13, 1994	MN has adopted a year-round, statewide oxygen mandate.
Memphis	TN/R4	July 26, 1994	Sept. 26, 1994	
Baltimore	MD/R3	Oct. 31, 1995	Dec. 15, 1995	
Raleigh-Durham	NC/R4	Aug. 2, 1995	Sept. 18, 1995	
Hartford	CT/R1	Oct. 31, 1995	Jan. 2, 1996	Redesignation retained oxy as a contingency measure
Philadelphia	PA/NJ/MD R2/R3	Jan. 30, 1996	March 15, 1996	
Boston	MA/R1	Jan. 30, 1996	April 1, 1996	Redesignation retained oxy as a contingency measure
Washington	DC/MD/VA R3	Jan. 30, 1996	March 15, 1996	
Vancouver	WA R10	Oct. 21, 1996	Oct. 21, 1996	Redesignation plan drops oxy from the maintenance plan but keeps it as a contingency measure.
Seattle	WA R10	Oct. 11, 1996	Oct. 11, 1996	Redesignation plan drops oxy from the maintenance plan but keeps it as a contingency measure.

Areas No Longer Implementing the Winter Oxy Program				
Area (C/MSA)	State/Region	Redesignation/SIP Change Published in FR	Effective Date	Comments
San Diego, Chico, Modesto, Sacramento, Fresno, San Francisco and Stockton, CA	CA/RE 9	March 31, 1998	June 1, 1998	Redesignation plan keeps oxy as a contingency measure
Salt Lake City, UT	UT/R8	January 21, 1999	March 22, 1999	Redesignation plan drops oxy from the maintenance plan
New Haven, Connecticut	CT/R1	October 5, 1998	December 4, 1998	
Minneapolis/St. Paul	MN/R5	October 29, 1999	November 29, 1999	MN has adopted a year-round, statewide oxygen mandate.
Colorado Springs	CO/R8	December 22, 2000	February 20, 2000	SIP revision removes oxyfuels program as SIP control measure and makes it a contingency measure
New York/N. NJ/Southwest CT	NY/NJ/CT R1 & R2 NJ CT NY	November 22, 1999 December 1, 1999 April 19, 2000	November 22, 1999 January 31, 2000 May 19, 2000	SIP revisions for all three states have removed the oxy program as control measures from their SIPs. In SW CT, oxy was retained as a contingency measure.
Ogden	UT/R8	March 9, 2001	May 8, 2001	SIP revision removes Oxy program as control measure and makes it a contingency measure

ORIGINAL AREAS:	39 in 1992, 1 for 1993 36 implemented in first year (1992)
ORIGINAL REQUIRED STATES: 23	Maryland, Massachusetts, North Carolina, Connecticut, Pennsylvania, New Jersey, New York, District of Columbia, Virginia, Ohio, Tennessee, New Mexico, Texas, Colorado, Montana, Utah, Alaska, Oregon, Washington, California, Nevada, Arizona, Minnesota
REDESIGNATIONS TO CO ATTAINMENT: 27	Syracuse, NY; Winston-Salem-Greensboro, NC; Cleveland, OH; Duluth, MN; Memphis, TN; Baltimore, MD; Raleigh/ Durham, NC; Hartford, CT; Philadelphia, PA CMSA (includes Southern New Jersey); Washington, D.C. CMSA (VA & MD); Albuquerque, NM; Boston, MA; Vancouver, WA; Seattle, WA; Portland, OR; San Diego, Chico, Modesto, Sacramento, Fresno, San Francisco and Stockton, CA; Salt Lake City, UT; Connecticut (portion of CT/NJ/NY CMSA); Colorado Springs, CO; Grants Pass, OR; Ogden, UT
PROPOSED OR DEVELOPING REDESIGNATION REQUESTS TO CO ATTAINMENT: 6	Ft. Collins, CO; Klamath Co., OR; Medford, OR; Reno, NV; NYC; Denver/Boulder, CO
REDESIGNATIONS TO “SERIOUS” CO NONATTAINMENT AREAS: 5	Phoenix, AZ; Las Vegas, NV; Spokane, WA; Anchorage & Fairbanks, AK
NOT IMPLEMENTING PROGRAM:	Fairbanks, AK
CURRENT STATES: 11	Texas, Colorado, Montana, Utah, Alaska, Oregon, California, Nevada, Arizona, Minnesota, Washington

TOTAL AREAS IMPLEMENTING IN 1994/95: 31
TOTAL AREAS IMPLEMENTING IN 1995/96: 27
TOTAL AREAS IMPLEMENTING IN 1996/97: 25
TOTAL AREAS IMPLEMENTING IN 1997/98: 25
TOTAL AREAS IMPLEMENTING IN 1998/99: 17
TOTAL AREAS IMPLEMENTING IN 1999/00: 15
TOTAL AREAS IMPLEMENTING IN 2000/01: 20*
TOTAL AREAS IMPLEMENTING IN 2001/02: 18*

*includes those areas with a winter oxy fuel program in their maintenance plan