

US EPA ARCHIVE DOCUMENT



Minnesota Pollution Control Agency

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March 10, 2009

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Bharat Mathur, Acting Regional Administrator
U.S. Environmental Protection Agency
Region 5 (R-19J)
77 West Jackson Boulevard
Chicago, IL 60604

RE: State of Minnesota Recommendation of Attainment Designation for Ozone

Dear Mr. Mathur:

Pursuant to Section 107(d) of the Clean Air Act, and following the revision of the ozone National Ambient Air Quality Standard (NAAQS) on March 12, 2008, the Governor of Minnesota is recommending that the entire state of Minnesota be designated as attainment for the ozone standard. This recommendation does not include areas in the state that are under tribal jurisdiction. Those tribal governments which have met eligibility determination and have submitted a Tribal Implementation Plan to the U.S. Environmental Protection Agency (EPA) may submit designation requests to EPA under the Tribal Authority Rule of 1998 (63 FR 7254).

This designation recommendation is based on three consecutive years (2006-2008) of air sampling data collected at sixteen federal reference monitors around the state. The enclosed summary data provide the fourth highest value at each monitoring site for each year (1997-2008) and three-year calculated averages (1997-1999 through 2006-2008) for each site. No site in the state exceeded the eight-hour standard (0.075 parts per million) for ozone for any three-year period. Quality assured ozone monitoring data for Minnesota has been submitted to the Air Quality System through 2008. The locations of the ozone monitors in the state are identified on the enclosed map.

The Commissioner of the Minnesota Pollution Control Agency is duly authorized by the Governor of the State of Minnesota to submit this letter on behalf of Governor Pawlenty. We anticipate that you will agree with this recommendation for state-wide attainment designation.

If you have questions or comments on this submission, please contact Gordon Andersson of my staff at 651-757-2197.

Sincerely,

Paul Eger
Commissioner

Enclosures

cc: Cheryl Newton, Director, Air and Radiation Division, EPA Region 5
Jay Bortzer, Chief, Air Programs Branch, EPA Region 5
John Mooney, Chief, Criteria Pollutants Section, EPA Region 5
Joshua Gackle, Senior Policy Advisor, Office of Governor Tim Pawlenty

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Ozone Concentrations in Minnesota: 1997-2008

Fourth Highest Daily Maximum 8-hour Average																	
	505	2013	3051	3052	3201	3204	4210	5008	5302	6010	6012	6015	7001	7416	7550	Voyageurs	6018
	27-139-0505	27-005-2013	27-095-3051	27-145-3052	27-171-3201	27-035-3204	27-083-4210	27-109-5008	27-049-5302	27-003-1002	27-003-1001	27-163-6015	27-075-0005	27-017-7416	27-137-7550	27-137-0034	27-037-6018
	Shakopee	Detroit Lakes	Mille Lacs	St. Cloud	St. Michael	Brainerd	Marshall	Rochester	Stanton	Anoka Airport	East Bethel	Stillwater	Ely/Fernberg	Cloquet	Duluth	Ash River	Hastings
1997										0.078	0.072	0.046	0.063			0.071	0.070
1998										0.069	0.071	0.073	0.068			0.067	0.071
1999			0.078							0.074	0.073	0.077	0.068			0.074	0.070
2000			0.067							0.064	0.066	0.070	0.064			0.065	0.066
2001			0.077							0.077	0.073	0.078	0.060	0.055		0.062	0.072
2002	0.069		0.070							0.077	0.071	0.071	0.064	0.06		0.065	0.065
2003	0.068		0.070	0.069	0.072			0.066	0.076	0.070	0.071	0.073	0.06	0.066		0.068	0.068
2004	0.058		0.061	0.055	0.062			0.059	0.062	0.064	0.062	0.061	0.055	0.057	0.049	0.061	0.059
2005	0.073	0.066	0.073	0.063	0.072	0.069	0.068	0.074	0.072	0.07	0.077	0.072	0.067	0.065	0.06	0.07	
2006	0.067	0.066	0.069	0.057	0.071	0.069	0.064	0.069	0.07	0.065	0.072	0.068	0.065	0.057	0.056	0.063	
2007	0.07	0.06	0.068	0.069	0.076	0.067	0.064	0.062	0.073	0.074	0.067	0.077	0.064	0.062	0.06	0.063	
2008	0.06	0.059	0.058	0.055	0.059	0.062	0.06	0.062	0.063	0.057	0.058	0.063	0.058	0.056	0.056	0.059	

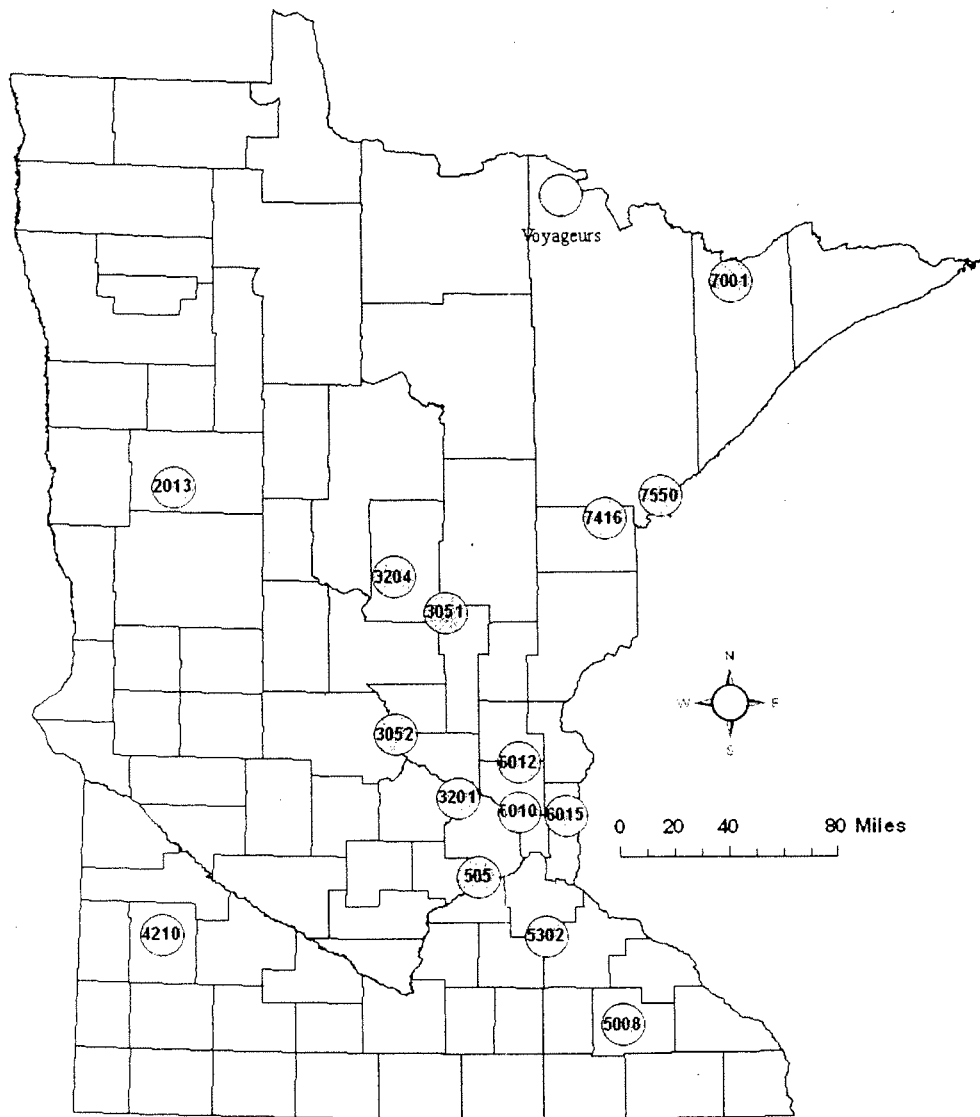
blank cells indicate no data (before site opened or after site closed)

Three-year Average of the Fourth Highest Daily Maximum 8-hour Average*																	
	Shakopee	Detroit Lakes	Mille Lacs	St. Cloud	St. Michael	Brainerd	Marshall	Rochester	Stanton	Anoka Airport	East Bethel	Stillwater	Ely/Fernberg	Cloquet	Duluth	Ash River	Hastings
1997-1999										0.072	0.072	0.065	0.066			0.068	0.07
1998-2000										0.068	0.07	0.074	0.067			0.066	0.069
1999-2001			0.073							0.07	0.07	0.075	0.064			0.065	0.07
2000-2002			0.071							0.073	0.070	0.073	0.063			0.064	0.068
2001-2003			0.072							0.075	0.072	0.074	0.061	0.060		0.065	0.068
2002-2004			0.067							0.07	0.068	0.068	0.060	0.061		0.065	0.064
2003-2005	0.066		0.068	0.062	0.069			0.066	0.070	0.068	0.070	0.069	0.061	0.063		0.066	
2004-2006	0.066		0.068	0.058	0.068			0.067	0.068	0.066	0.07	0.067	0.062	0.06	0.055	0.065	
2005-2007	0.07	0.064	0.07	0.063	0.073	0.068	0.065	0.068	0.072	0.07	0.072	0.072	0.065	0.061	0.059	0.065	
2006-2008	0.066	0.062	0.065	0.060	0.069	0.066	0.063	0.064	0.069	0.065	0.066	0.069	0.062	0.058	0.057	0.062	

blank cells indicate insufficient data (3 years required to determine attainment status)

* 3-year average must equal or exceed 0.075 ppm to violate the 8-hour standard

Current Ozone Sites in Minnesota



Map Site ID	AQS Site ID	Site Name
505	27-139-0505	Shakopee
2013	27-005-2013	Detroit Lakes
3051	27-095-3051	Mille Lacs
3052	27-145-3052	St. Cloud
3201	27-171-3201	St. Michael
3204	27-035-3204	Brainerd
4210	27-083-4210	Marshall
5008	27-109-5008	Rochester
5302	27-049-5302	Stanton
6010	27-003-1002	Anoka Airport
6012	27-003-1001	East Bethel
6015	27-163-6015	Stillwater
7001	27-075-0005	Ely/Fernberg
7416	27-017-7416	Cloquet
7550	27-137-7550	Duluth
Voyageurs	27-137-0034	Ash River