

— State of —
North Dakota
Office of the Governor

Jack Dalrymple
Governor

May 25, 2011

Mr. James B. Martin
Regional Administrator
U.S. EPA, Region 8
1595 Wynkoop Street
Denver, CO 80202-1129

Re: Sulfur Dioxide Attainment Status Recommendation

Dear Administrator Martin:

On June 22, 2010, the United States Environmental Protection Agency (“EPA”) published its Final Rule regarding the Primary National Ambient Air Quality Standard for Sulfur Dioxide (“SO₂”), commonly referred to as the SO₂ Primary National Ambient Air Quality Standards. See 75 Fed. Reg. 35520 (June 22, 2010) (the “Final Rule” or the “1-hour SO₂ Standard”). The Final Rule sets the 1-hour SO₂ Standard at 75 parts per billion (“ppb”), within the range originally proposed by EPA¹. As set forth in the Final Rule, EPA requested that states submit their initial SO₂ designations to the agency no later than June 2, 2011. See 75 Fed. Reg. 35569. Enclosed please find the initial SO₂ designations of the state of North Dakota. See Attachment A, North Dakota SO₂ Designations.

The North Dakota Department of Health (“Department”) operates an extensive network of ambient air quality monitoring sites located across the state. In addition to the state’s network, the state also collects data from eight industry operated source specific air quality monitoring sites, and one air quality monitoring site operated by the National Park Service. The monitoring sites are located across the state. See Attachment B, North Dakota Air Quality Monitoring Network. North Dakota has historically provided designation determinations to EPA based upon monitoring data. The data collected from North Dakota’s extensive monitoring system forms the foundation for its initial SO₂ designations.

¹ See 74 Fed. Reg. 64,810; December 8, 2009; Docket No. EPA-HQ-OAR-2007-0352.

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As set forth in the attached, the 3-year average results of SO₂ ambient monitoring data in North Dakota demonstrates compliance in all areas of the state with the 1-hour SO₂ Standard. *See* Attachment C, North Dakota SO₂ Monitoring Data. The ambient monitoring data collected, which forms the basis for the initial SO₂ designations, has been entered into the Air Quality Subsystem. The Department believes the monitoring data to be complete and accurate. Based on the existing SO₂ ambient monitoring data collected by the Department, it is recommended that the entire State of North Dakota be designated as attainment for the new 1-hour SO₂ standard.

If you have any questions, please contact the Division of Air Quality of the Department of Health at (701)328-5188.

Sincerely,


Jack Dalrymple
Governor

C: Terry Dwelle, State Health Officer
L. David Glatt, Chief, EHS
Terry O'Clair, Director, Air Quality
Maggie Olson, Assistant Attorney General
Paul Seby, Special Assistant Attorney General

37:68:56

ATTACHMENT A
NORTH DAKOTA SO₂ DESIGNATION
RECOMMENDATIONS

Designated Area
Status

Recommended

Metropolitan Fargo – Moorhead (MN)
AQCR 130

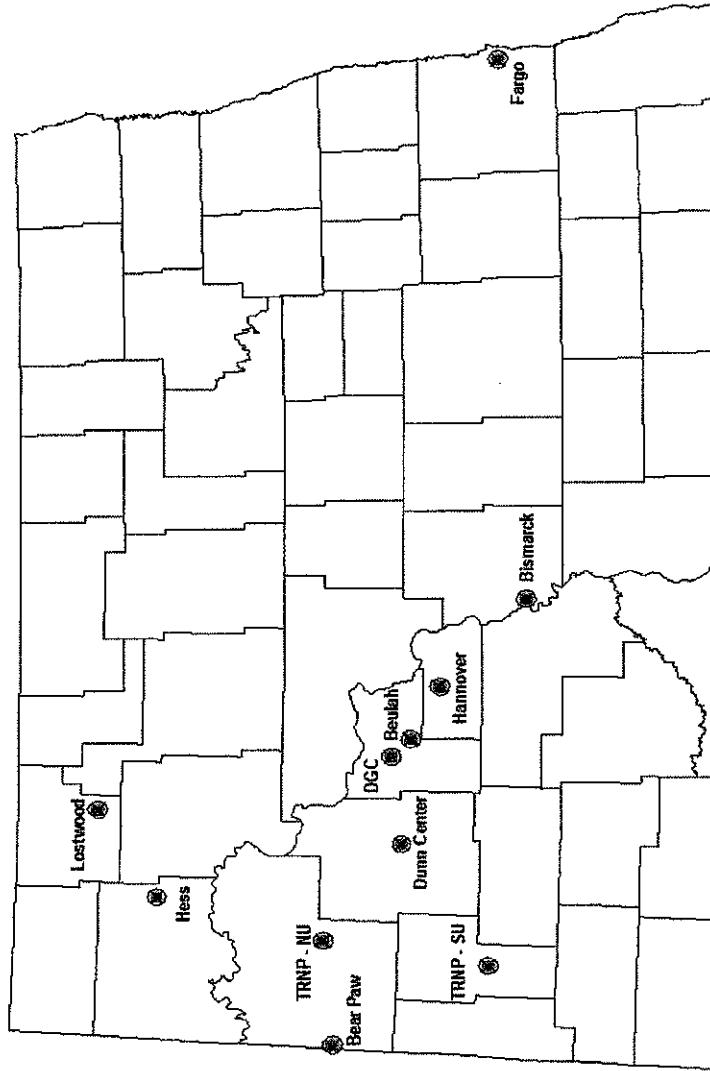
Attainment

Rest of State - AQCR 172

Attainment

ATTACHMENT B

North Dakota Air Quality Monitoring Network



Attachment C-1

NORTH DAKOTA
STATE/NPS MONITORS
1-HOUR SO₂ (ppb)

Year	<u>TRNP-SU</u>		<u>Lostwood</u>		<u>Bismarck</u>		<u>Fargo</u>		<u>Dunn Center</u>		<u>TRNP-NU</u>		<u>Beulah</u>		<u>Hannover</u>	
	Annual 99 th Pctl.	3-yr. Avg. 99 th Pctl.	Annual 99 th Pctl.	3-yr. Avg. 99 th Pctl.	Annual 99 th Pctl.	3-yr. Avg. 99 th Pctl.	Annual 99 th Pctl.	3-yr. Avg. 99 th Pctl.	Annual 99 th Pctl.	3-yr. Avg. 99 th Pctl.	Annual 99 th Pctl.	3-yr. Avg. 99 th Pctl.	Annual 99 th Pctl.	3-yr. Avg. 99 th Pctl.	Annual 99 th Pctl.	3-yr. Avg. 99 th Pctl.
2006	6.0		31.0		23.0		4.7		13.0		10.0		26.0		45.0	
2007	7.0		32.4		31.0		4.8		10.0		13.2		40.0		63.0	
2008	6.0	6.3	36.8	33.4	34.0	29.3	4.7	4.7	16.0	13.0	10.5	11.2	31.0	32.3	55.0	54.3
2009	9.0	7.3	55.6	41.6	30.0	31.7	5.9	5.1	9.5	11.8	10.1	11.3	26.0	32.3	42.0	53.3
2010	6.0	7.0	45.2	45.9	41.0	35.0	6.1	5.6	19.0	14.8	11.2	10.6	52.0	36.3	59.0	52.0

Attachment C-2

NORTH DAKOTA
INDUSTRY MONITORS
1-HOUR SO₂ (ppb)

Year	<u>Bear Paw 3</u>		<u>Bear Paw 5</u>		<u>DGC 12</u>		<u>DGC 14</u>		<u>DGC 16</u>		<u>DGC 17</u>		<u>Hess 1</u>		<u>Hess 3</u>	
	Annual 99 th Pctl.	3-yr. Avg. 99 th Pctl.	Annual 99 th Pctl.	3-yr. Avg. 99 th Pctl.	Annual 99 th Pctl.	3-yr. Avg. 99 th Pctl.	Annual 99 th Pctl.	3-yr. Avg. 99 th Pctl.	Annual 99 th Pctl.	3-yr. Avg. 99 th Pctl.	Annual 99 th Pctl.	3-yr. Avg. 99 th Pctl.	Annual 99 th Pctl.	3-yr. Avg. 99 th Pctl.	Annual 99 th Pctl.	3-yr. Avg. 99 th Pctl.
2006	27.0		27.0		28.0		26.0		39.0		36.0		20.0		48.0	
2007	15.0		25.0		37.0		36.0		30.0		38.0		25.0		67.0	
2008	9.0	17.0	14.0	22.0	29.0	31.3	26.0	29.3	29.0	32.7	43.0	39.0	37.0	27.3	50.0	55.0
2009	16.0	13.3	9.0	16.0	38.0	34.7	27.0	29.7	23.0	27.3	28.0	36.3	34.0	32.0	65.0	60.7
2010	21.0	15.3	15.0	12.7	46.0	37.7	54.0	35.7	44.0	32.0	37.0	36.0	27.0	32.7	77.0	64.0