



Department of Environmental Quality



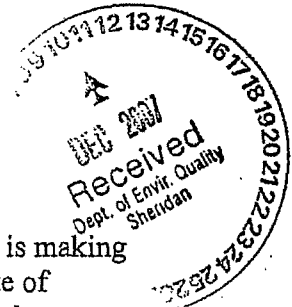
To protect, conserve and enhance the quality of Wyoming's environment for the benefit of current and future generations.

Dave Freudenthal, Governor

John Corra, Director

December 11, 2007

Mr. Robbie E. Roberts, Regional Administrator
US Environmental Protection Agency, Region 8
1595 Wynkoop Street
Denver, CO 80202 - 1129



Dear Mr. Roberts,

In response to 107(d)(1) of the Clean Air Act, the State of Wyoming is making recommendations on attainment or nonattainment classifications for the State of Wyoming for the 24-hour PM_{2.5} National Ambient Air Quality Standard that became effective on December 18, 2006.

The State has used the most recent three years of PM_{2.5} monitoring data available to make attainment recommendations. The results and supporting data are found in Attachments 1 and 2 to this letter. The State used guidance issued by EPA on June 8, 2007 in a memorandum from Robert J. Meyers entitled "Area Designations for the Revised 24-Hour Fine Particulate National Ambient Air Quality Standard" to determine appropriate boundaries for state designations. The guidance suggests not only using PM_{2.5} monitored data, but also using nine factors to appropriately create non-attainment boundaries. Additionally, EPA gave the option of flagging PM_{2.5} data affected by natural events during the most recent three years of data collection. The State of Wyoming did not flag any data used in this designation. Based on this guidance, the State would like to designate the regions listed below as attainment/unclassifiable for the Revised 24-Hour PM_{2.5} Standard.

<u>Region</u>	<u>24-hour PM_{2.5} NAAQS Designation</u>
Albany County	Attainment/Unclassifiable
Big Horn County	Attainment/Unclassifiable
Campbell County	Attainment/Unclassifiable
Carbon County	Attainment/Unclassifiable
Converse County	Attainment/Unclassifiable

MEDICINE BOW EXHIBIT U PRE-HRG MEMO

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ADMIN/OUTREACH (307) 777-7937 FAX 777-3610	ABANDONED MINES (307) 777-6145 FAX 777-6462	AIR QUALITY (307) 777-7391 FAX 777-5616	INDUSTRIAL SITING (307) 777-7369 FAX 777-5973	LAND QUALITY (307) 777-7756 FAX 777-5864	SOLID & HAZ. WASTE (307) 777-7752 FAX 777-5973	WATER QUALITY (307) 777-7781 FAX 777-5973
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<u>Region</u>	<u>24-Hour PM_{2.5} NAAQS Designation</u>
Crook County	Attainment/Unclassifiable
Fremont County	Attainment/Unclassifiable
Goshen County	Attainment/Unclassifiable
Hot Springs County	Attainment/Unclassifiable
Johnson County	Attainment/Unclassifiable
Laramie County	Attainment/Unclassifiable
Lincoln County	Attainment/Unclassifiable
Natrona County	Attainment/Unclassifiable
Niobrara County	Attainment/Unclassifiable
Park County	Attainment/Unclassifiable
Platte County	Attainment/Unclassifiable
Sheridan County	Attainment/Unclassifiable
Sublette County	Attainment/Unclassifiable
Sweetwater County	Attainment/Unclassifiable
Teton County	Attainment/Unclassifiable
Uinta County	Attainment/Unclassifiable
Washakie County	Attainment/Unclassifiable
Weston County	Attainment/Unclassifiable
City of Casper	Attainment/Unclassifiable
City of Cheyenne	Attainment/Unclassifiable
City of Cody	Attainment/Unclassifiable
City of Evanston	Attainment/Unclassifiable

<u>Region</u>	<u>24-Hour PM_{2.5} NAAQS Designations</u>
City of Gillette	Attainment/Unclassifiable
City of Jackson	Attainment/Unclassifiable
City of Lander	Attainment/Unclassifiable
City of Laramie	Attainment/Unclassifiable
City of Pinedale	Attainment/Unclassifiable
City of Riverton	Attainment/Unclassifiable
City of Rock Springs	Attainment/Unclassifiable
City of Sheridan	Attainment/Unclassifiable

There are portions of the above-mentioned counties which are under the jurisdiction of Tribal Authorities. It is our understanding that Tribal designations will be made separately from State designations.

We look forward to your timely review and approval of this request. If you have any questions concerning the details of this recommendation, please feel free to contact - Air Quality Division Administrator, Dave Finley, at 307-777-3746.

Best Regards,



Dave Freudenthal
Governor

Cc: John V. Corra, DEQ Director
Dave Finley, AQD Administrator
Tina Anderson, AQD
Cara Keslar, AQD
Chad Schlichtemeier, AQD

ATTACHMENT 1: PM_{2.5} Monitored Data in Wyoming 2004-2006

The primary and secondary 24-hour PM_{2.5} standards are met when the three year average of the 98th percentile 24 hour concentrations, as determined in accordance with the 40 CFR 50, Appendix N, is **less than or equal to 35 $\mu\text{g}/\text{m}^3$** . The following table presents data collected from 2004-2006 that have met the data collection requirements presented in Appendix N. Data from other PM_{2.5} monitoring sites have not collected 3 full years of data can be found in Attachment 2.

Monitoring Site	2004-2006 24-hour 98% average ($\mu\text{g}/\text{m}^3$)
SLAMS	
Cheyenne – Emerson Building	13
Sheridan – Police Station	32
Lander – Northside School	31

Attachment 2: PM_{2.5} Data Summary 2000-2006

Station	Calendar Year	Total # obs	1st max	2nd max	3rd max	4th max	98% value	Rolling 3-yr 98% avg.	Annual arith mean	Rolling 3-year annual avg.	Comments
Cheyenne	2000	112	15	14.5	13.2	12.8	13.2	N/A	5.58	N/A	
	2001	107	13.5	12.5	12.2	11.5	12.2	N/A	5.03	N/A	less than 75% completeness in 2nd qtr
	2002	108	15.2	15	13.8	13.5	13.8	13	4.69	5.1	
	2003	114	18.1	16.4	12.9	12.2	12.9	13	4.95	4.9	
	2004	115	26.8	24.1	15.5	12.8	15.5	14	5.00	4.9	
	2005	107	10.3	9.3	9.2	9	9.2	13	4.14	4.7	
	2006	115	14.8	13.4	13.4	12.8	13.4	13	4.32	4.5	
Sheridan - Police Station	2000	121	45	39.7	34.8	31.9	34.8	N/A	12.07	N/A	
	2001	119	47.8	42.3	39.6	34	39.6	N/A	11.05	N/A	
	2002	118	37.4	35.3	27.9	27.4	27.9	34	10.08	11.1	
	2003	116	29.9	27.1	26.3	24.3	26.3	31	10.07	10.4	
	2004	118	41.7	39.8	38.9	35.6	38.9	31	9.96	10.0	
	2005	119	37.7	34.5	32.5	30.7	32.5	33	9.51	9.8	
	2006	118	27	26	24.4	23.9	24.4	32	9.78	9.8	
Lander	2002	120	35.3	35.1	33.2	32.4	33.2	N/A	9.59	N/A	
	2003	119	36	26	25.7	25.4	25.7	N/A	8.15	N/A	
	2004	113	45.7	41.7	40.2	38.1	40.2	33	9.64	9.1	
	2005	115	37.1	32.1	30	28.3	30	32	7.74	8.5	
	2006	116	24.7	23.5	23	20.2	23	31	7.72	8.4	
	2000	92	82	20.9	20.5	18.3	20.9	N/A	5.81	N/A	less than 75% completeness 1st,2nd,3rd qtr
	2001	46	17.7	14.9	10.7	10	17.7	N/A	4.83	N/A	less than 75% completeness 4th qtr
2002	83	15.5	12.6	10.2	9.5	12.6	17	3.99	4.9		
2003	109	24.4	21.5	16.4	15.8	16.4	16	5.90	4.9		
2004	114	12.8	12.6	11.9	11.7	11.9	14	5.46	5.1		
2005	115	14.2	12.7	12.2	11.2	12.2	14	5.13	5.5		
2006	103	26.9	20.9	11.8	11.5	11.8	12	5.16	5.3		
Antelope	2000	83	14.5	13.7	13.5	12.8	13.7	N/A	3.33	N/A	less than 75% collection in 4th qtr
	2001	49	12.3	8	7.5	7	12.3	N/A	3.78	N/A	less than 75% collection in 1st,2nd qtr
	2002	93	15.4	10.6	9.9	8.3	10.6	12	3.40	3.5	less than 75% collection in 3rd qtr
	2003	113	28.7	15.8	15.5	12.7	15.5	13	4.30	3.8	
	2004	108	10.5	9.7	8.8	8.7	8.8	12	3.30	3.7	
	2005	111	12.2	8.2	7.3	7	7.3	11	3.20	3.6	
	2006	106	22	17	12.3	9.9	12.3	9	3.87	3.5	

Attachment 2: PM_{2.5} Data Summary 2000-2006

Station	Calendar Year	Total # obs	Rolling 3-yr						Annual arith mean	Rolling 3-year annual avg.	Comments
			1st max	2nd max	3rd max	4th max	98% value	98% avg.			
Pinedale - High School	2005	48	24.3	13.2	12.8	12.7	N/A	N/A	N/A	began operation in July 2005	
	2006	115	39.2	18.3	16.5	16.5	16.5	N/A	N/A	Waiting for concurrence on 39.2 flagged for wildfire event	
Jackson - Teton Cty.	2001	60	29.5	26.8	26.6	20.8	N/A	N/A	N/A	began operation in July 2001	
	2002	65	17.8	15.1	14.4	13.5	15.1	N/A	N/A	less than 75% data collection in 2nd qtr	
	2003	97	23.7	22.5	19.2	15.5	22.5	N/A	N/A	less than 75% data collection in 1st qtr	
	2004	99	32.4	22.5	21.3	15.1	22.5	20	6.9	less than 75% data collection in 4th qtr	
	2005	85	37.5	29.7	22.6	21.1	29.7	25	6.82	less than 75% data collection 3rd, 4th qtr	
	2006	114	23.3	20.4	19.6	18	19.6	24	6.84		
Sheridan - Highland Park	2005	27	15.8	15.1	12.5	11.3	N/A	N/A	N/A	site moved from Central Middle School	
	2006	120	22.3	20	13	12.8	13	N/A	N/A		
Sheridan - Central Middle School	2000	121	40.1	38.8	38.3	35.5	38.3	N/A	N/A		
	2001	119	47.8	40.7	35.8	34.9	35.8	N/A	N/A		
	2002	115	32.8	30.1	27.8	26.4	27.8	34	8.80	10.2	
	2003	113	31.9	25.2	25.1	23.7	25.1	30	9.00	9.3	
	2004	110	39	34.1	31.3	31.3	31.3	28	8.40	8.7	
	2005	58	29.5	22.6	16.5	14.8	N/A	N/A	N/A	check on data completeness	
	2006	108	21.1	18.2	16.1	15	16.1	N/A	N/A	site moved to Highland Park School	
Black Thunder 26-2	2001	112	17.3	17.3	16.2	14.7	16.2	N/A	N/A		
	2002	103	19.3	18.3	17.9	17.6	17.9	17	6.18	6.2	
	2003	105	24	22.2	20.7	19.9	20.7	18	6.75	6.5	
	2004	114	17	16.8	16.7	16.1	16.7	18	5.69	6.2	
	2005	103	22.6	19.3	18.5	15.8	18.5	19	6.44	6.3	
	2006	89	30	21.8	18.5	15.4	21.8	19	6.33	6.2	
	2000	108	21.1	18.2	16.1	15	16.1	N/A	N/A	less than 75% data collection in 1st qtr	
Belle Ayr	2000	99	23.8	23	20.5	19.2	23	N/A	N/A	1-in-6 schedule during 1st qtr	
	2001	74	14.7	11.7	10.8	10.2	11.7	N/A	N/A	1-in-6 schedule May-Dec.	
	2002	98	15	13	12.5	12.2	13	16	4.96	5.5	
	2003	114	24.5	18.8	16.3	14.8	16.3	14	5.78	5.3	
	2004	115	13.4	11.7	10.9	10.3	10.9	13	4.66	5.1	
	2005	115	10.1	9.5	9.5	9.4	9.5	12	4.70	5.0	
	2006	108	20.8	20	15.8	13.4	15.8	12	5.51	5.0	
	2000	99	23.8	23	20.5	19.2	23	N/A	N/A	less than 75% data collection in 1st, 3rd qtrs	
	2001	74	14.7	11.7	10.8	10.2	11.7	N/A	N/A	1-in-6 schedule during 1st qtr	
	2002	98	15	13	12.5	12.2	13	16	4.96	5.5	