

September 4, 2002

MEMORANDUM

SUBJECT: Latest Findings on National Air Quality and Design Values

FROM: J. David Mobley, Acting Director **(SIGNED)**
Emissions, Monitoring, and Analysis Division (C304-02)

TO: Addressees

The *Latest Findings on National Air Quality: 2001 Status and Trends* (also known as the annual trends booklet) is now available at <http://www.epa.gov/airtrends/> together with the companion “fact book” tables which describe calendar year 2001 air quality for the six criteria pollutants by metropolitan area and by county. We also provide the new ozone and particulate matter design values for the three year period, 1999-2001, on this web site. The ozone listing is an update to last year’s report, while the particulate matter lists are being released for the first time. You will see that our trends web site has a new look and provides many new features. The link to design value listing and fact book can be found in the left side menu. As requested in my June 12 memo, your staff have been extremely helpful in reviewing draft listings of these data and in ensuring that the data entered into the Air Quality System (AQS) were as complete and accurate as possible.

We recognize that all of the data have not yet been officially certified according to 40 CFR 58.26 and, therefore, the PM₁₀, PM_{2.5}, 1-hr and 8-hr ozone design values may be subject to additional revisions in the near future. We will continue to work with you and your staff to ensure that these lists are updated, if necessary, as the certification process evolves. Nevertheless, these initial data listings represent the best, most accurate and most complete assessment to date of particulate matter and ozone air quality for comparison to the National Ambient Air Quality Standards.

The web site also contains a link to the data completeness tables for PM_{2.5}, O₃, SO₂, CO and NO₂ for calendar year 2001, based on the information in AQS as of 07/08/02. As the National summary, completeness was 87 percent for PM_{2.5}, 90 percent for O₃, 86 percent for SO₂, 84 percent for CO, and 80 percent for NO₂. I have attached information on the PM_{2.5} data completeness for 2001 to continue our emphasis on this program. Completeness for PM₁₀ and lead will be reported in the near future.

I appreciate and thank you for the considerable efforts to obtain and review these data without which the air quality status and trends information could not be prepared. If there are any questions regarding this material, please contact me at (919)541-4676, or Fred Dimmick at (919)541-5537.

Addressees:

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PM2.5 FRM 2001 Data Completeness Summary, Region X State (AQS 0708/02)

	Quarter 1					Quarter 2					Quarter 3					Quarter 4					2001 Total				
	Number of Sites					Number of Sites					Number of Sites					Number of Sites					Number of Sites				
	Operated	With Data	11+ Samples	75%+ Capture	*Avg. Capture	Operated	With Data	11+ Samples	75%+ Capture	*Avg. Capture	Operated	With Data	11+ Samples	75%+ Capture	*Avg. Capture	Operated	With Data	11+ Samples	75%+ Capture	*Avg. Capture	Operated	With Data	11+ Samples All 4 Q	75%+ Capture All 4 Q	*Avg. Capture
U.S. Total	1112	1092	1062	966	87%	1121	1095	1075	1000	88%	1122	1096	1078	1019	89%	1118	1073	1053	976	86%	1155	1139	975	812	87%
Region 1	69	67	63	48	80%	71	68	63	55	78%	71	70	68	56	86%	71	70	69	59	87%	73	73	56	43	82%
CONNECTICUT	13	13	13	12	92%	13	13	13	12	92%	13	13	13	13	95%	13	13	13	13	90%	13	13	13	11	92%
MAINE	15	15	15	14	94%	15	15	15	15	91%	15	15	14	14	92%	15	15	15	15	96%	15	15	14	13	93%
MASSACHUSETTS	20	18	16	6	59%	20	18	16	10	63%	20	20	20	8	71%	20	20	19	9	76%	20	20	12	3	67%
NEW HAMPSHIRE	8	8	8	6	83%	10	10	7	7	62%	10	10	9	9	88%	10	10	10	10	95%	12	12	6	6	78%
RHODE ISLAND	8	8	6	5	72%	8	7	7	6	77%	8	7	7	7	86%	8	7	7	7	82%	8	8	6	5	79%
VERMONT	5	5	5	5	97%	5	5	5	5	96%	5	5	5	5	97%	5	5	5	5	97%	5	5	5	5	97%
Region 2	75	70	63	50	74%	75	70	69	59	82%	76	71	70	66	83%	77	62	59	55	72%	78	73	50	32	78%
NEW JERSEY	19	18	12	1	46%	19	18	18	10	72%	21	20	20	18	81%	21	20	20	19	89%	21	20	12	1	72%
NEW YORK	44	40	40	38	84%	44	40	40	38	84%	43	39	39	37	84%	44	40	39	36	82%	45	41	38	31	84%
PUERTO RICO	10	10	10	10	86%	10	10	10	10	91%	10	10	10	10	93%	10	10			0%	10	10			68%
VIRGIN ISLANDS	2	2	1	1	60%	2	2	1	1	60%	2	2	1	1	64%	2	2			50%	2	2			58%
Region 3	105	104	103	100	91%	106	105	102	98	91%	105	103	101	96	89%	105	102	100	90	87%	106	106	96	83	89%
DELAWARE	7	7	7	7	96%	7	7	7	7	97%	7	7	7	7	97%	7	7	7	7	96%	7	7	7	7	96%
DISTRICT OF COLUMBIA	3	3	3	3	87%	3	3	3	3	90%	3	3	3	2	83%	3	3	3	3	90%	3	3	3	2	88%
MARYLAND	18	18	18	18	93%	19	19	18	17	89%	19	18	18	18	88%	19	18	18	17	89%	19	19	17	16	89%
PENNSYLVANIA	41	40	39	36	88%	41	40	39	37	91%	41	40	38	35	86%	41	39	37	28	81%	41	41	34	25	86%
VIRGINIA	20	20	20	20	90%	20	20	19	18	88%	19	19	19	18	93%	19	19	19	19	89%	20	20	19	17	89%
WEST VIRGINIA	16	16	16	16	94%	16	16	16	16	98%	16	16	16	16	95%	16	16	16	16	96%	16	16	16	16	96%
Region 4	198	195	192	181	90%	200	194	193	181	89%	202	197	195	188	89%	203	197	193	182	87%	207	203	181	157	87%
ALABAMA	23	22	21	19	84%	23	21	21	21	87%	24	22	21	17	78%	23	21	21	20	86%	24	23	19	15	83%
FLORIDA	30	29	29	29	92%	32	30	30	27	86%	32	31	31	31	90%	31	31	31	29	92%	32	32	28	25	89%
GEORGIA	27	27	26	23	86%	27	27	26	22	81%	27	27	27	26	87%	27	27	25	20	81%	27	27	23	16	84%
KENTUCKY	23	23	22	21	91%	23	22	22	22	89%	23	22	22	22	87%	25	22	22	22	78%	25	23	21	20	81%
MISSISSIPPI	17	17	17	17	94%	17	17	17	17	97%	17	17	17	17	98%	18	17	17	17	90%	18	17	17	17	91%
NORTH CAROLINA	36	35	35	34	92%	36	35	35	31	91%	36	35	34	34	91%	37	37	37	35	92%	38	38	34	30	89%
SOUTH CAROLINA	18	18	18	18	93%	18	18	18	17	94%	19	19	19	18	92%	18	18	16	16	82%	19	19	15	15	90%
TENNESSEE	24	24	24	20	88%	24	24	24	24	95%	24	24	24	23	92%	24	24	24	23	94%	24	24	24	19	92%
Region 5	200	197	194	174	87%	199	197	195	189	91%	200	198	193	189	91%	194	192	190	181	92%	203	200	184	154	89%
ILLINOIS	35	35	35	30	85%	35	35	35	33	92%	35	35	35	35	93%	35	35	34	32	90%	35	35	34	26	90%
INDIANA	40	40	39	36	87%	40	40	39	39	92%	40	40	40	40	93%	40	40	40	39	93%	40	40	38	34	91%
MICHIGAN	27	27	27	25	92%	27	27	27	27	95%	27	27	27	27	95%	27	27	27	25	92%	27	27	27	23	93%
MINNESOTA	26	23	22	16	70%	25	23	22	19	79%	24	22	19	18	80%	19	17	17	16	81%	26	23	17	10	75%
OHIO	44	44	44	41	90%	44	44	44	44	94%	45	45	45	42	91%	45	45	44	41	92%	46	46	43	38	91%
WISCONSIN	28	28	27	26	92%	28	28	28	27	93%	29	29	27	27	92%	28	28	28	28	96%	29	29	25	23	92%
Region 6	133	132	129	119	88%	137	135	133	120	88%	137	135	132	119	86%	135	128	126	112	85%	141	141	116	93	86%
ARKANSAS	20	20	20	17	87%	22	21	20	18	83%	23	22	20	18	77%	21	20	20	19	88%	24	24	16	12	81%
LOUISIANA	21	21	21	20	94%	21	21	21	19	93%	22	21	20	20	88%	22	22	20	20	91%	22	22	20	17	90%
NEW MEXICO	16	15	15	13	84%	16	16	16	14	89%	16	16	16	15	89%	16	11	11	9	60%	16	16	11	9	81%
OKLAHOMA	23	23	23	23	92%	23	23	23	22	94%	23	23	23	22	92%	23	22	22	22	91%	23	23	22	21	92%
TEXAS	53	53	50	46	85%	55	54	53	47	85%	53	53	53	44	87%	53	53	53	42	87%	56	56	47	34	85%
Region 7	64	64	64	61	91%	64	64	64	55	91%	64	64	64	62	94%	64	64	64	63	95%	66	66	62	52	92%
IOWA	17	17	17	17	97%	17	17	17	17	96%	17	17	17	17	98%	17	17	17	17	95%	17	17	17	17	97%
KANSAS	13	13	13	12	91%	12	12	12	12	96%	12	12	12	12	96%	12	12	12	12	96%	13	13	12	11	94%
MISSOURI	21	21	21	20	93%	22	22	22	21	94%	22	22	22	22	97%	22	22	22	21	96%	23	23	20	20	93%
NEBRASKA	13	13	13	12	81%	13	13	13	5	73%	13	13	13	11	83%	13	13	13	13	91%	13	13	13	4	82%
Region 8	76	76	73	70	91%	79	76	73	70	87%	77	75	75	73	91%	79	77	76	70	90%	83	83	67	59	88%
COLORADO	22	22	21	19	90%	23	22	20	19	81%	21	20	20	20	90%	21	20	19	18	87%	23	23	17	15	86%
MONTANA	15	15	14	14	87%	16	15	14	14	82%	15	15	15	15	93%	16	16	16	15	91%	17	17	14	13	86%
NORTH DAKOTA	9	9	8	7	90%	9	9	9	9	97%	9	8	8	8	86%	9	8	8	8	86%	9				