

STATE AND LOCAL AIR MONITORING STATIONS (SLAMS) NETWORK

**INCLUDING
NATIONAL AIR MONITORING STATIONS (NAMS)
AND
SPECIAL PURPOSE MONITORS (SPM)**

1991 STATUS REPORT

April 1992

**MONITORING SECTION / MONITORING AND REPORTS BRANCH
U.S. ENVIRONMENTAL PROTECTION AGENCY
RESEARCH TRIANGLE PARK, NORTH CAROLINA 27711**



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State and Local Air Monitoring Stations (SLAMS) Network - 1991 Status Report

1. Introduction

This status report represents information gathered primarily for calendar year 1991 and provides a summarization of data submitted to the Technical Support Division (TSD) as of December 31, 1991. The information includes the status of each pollutant for the State and Local Air Monitoring Stations (SLAMS), the National Air Monitoring Stations (NAMS), and special purpose monitors (SPM). Please note that for the purposes of this report, SLAMS monitors are defined as to exclude NAMS monitors.

The primary purpose of this report is to provide an indication of the number and the status of the aforementioned categories of monitors as were operating on the "snap shot date", December 31, 1991, as well as a Regional estimation of the number of monitors planned for operation during the current year of 1992. The information is presented by pollutant type for each Region, State, and local agency.

The final section of this report will provide an indication of the cumulative status history for the years 1983-1991 for each State and Region.

2. 1991 Status for SLAMS, NAMS, and SPM

Table 1 provides a summary by Region and pollutant of the number of SLAMS and SPM operating on December 31, 1991 and for those planned for 1992. However, the Table 1 information for the NAMS, shows the number of monitors operating on December 31, 1991, along with the number of monitors required to meet

Part 58 Regulations. There were a reported 4,463 monitors operating on December 31, 1991; this represents a decrease of 293 monitors (6.2 percent) from the 4,756 monitors operating on December 31, 1990. Two Regions reported "major" decreases along with two having significant decreases in the number of monitors they operated. These monitor decreases totaled 357, while one other Region decreased their number of monitors by ten. Three Regions reported significant increases totaling 70 monitors with the other two Regions having increases totaling only 16. The Regional breakdown is; Regions I, III, IV, V, and IX report decreases of 30, 10, 140, 18 and 181, respectively. Regions II, VI, VII, VIII, and X reported increases of 24, 18, 8, 8, and 28, respectively. The majority of the changes are represented by the reduction in TSP by 341 samplers (34 percent), and by an increase of 66 PM-10 samplers (6 percent). Modifications to the TSP and PM-10 networks continue to reflect the 1987 promulgation change of the particulate standard from TSP to PM-10. Other reported decreases were, CO monitors down by 8 (<2 percent), SO₂ down by 4 (<1 percent), and O₃ monitors by 16 (2 percent, while increases of 8 Pb samplers (<2 percent) and 2 NO₂ (<1 percent) also occurred.

There are 4,631 monitors reportedly planned for operation in 1992; an increase of about four percent (168 monitors). TSP samplers are projected to decrease by 44 samplers (7 percent), while increases are planned to include 116 PM-10 sites (9 percent), 21 Pb sites (5 percent), 9 SO₂ sites (<2 percent), 23 CO sites (<5 percent), 34 O₃ sites (4 percent), and 9 NO₂ sites (3 percent).

The SLAMS monitors operating at the end of 1991 numbered 2,579, or 234 less than were reported as operating at the end of 1990. There were two "major" and two significant changes in the quantity of SLAMS monitors operating in the Regions; Region IV and IX reported decreases of 168 and 97 monitors, with Region I reporting a decrease of 19 monitors, while Region III reported a 27 monitor increase. Overall, five Regions; II, III, VI, VIII, and X had increases in the number of SLAMS operated of 9, 27, 10, 1, and 12, respectively. Regions showing decreases were I, IV, V, and IX, with 19, 168, 9, and 97. Region VII remained the same at 151 SLAMS monitors operated.

The number of NAMS monitors operating nationally in December 1991 totaled 969, 1 less (<1 percent) than the 970 reported as operating in December 1990. There were no "major or significant" alterations in the number of NAMS monitors reported as being operated in 1991; three Regions had a total increase of six monitors, two Regions had decreases totaling seven monitors with five Regions remaining unchanged. These changes include only small reductions, one Pb sampler, two SO₂ monitors; the addition of one CO, and one NO₂, while the number of PM-10 and O₃ sites remaining unchanged.

2.1 1991 Pollutant Specific Status

The 1991 pollutant specific status information, as presented in Sections 2.1.1 to 2.1.7, is provided as a comparison of the network changes for the years 1990 to 1991 for each pollutant.

2.1.1 Total Suspended Particulates (TSP)

The quantity of TSP samplers operating nationwide in 1991, as opposed to those that operated in 1990, has changed significantly. TSP had the *largest overall change* of all the pollutants in the number of samplers operated in 1991 with a decrease of 341 (34 percent) from 1,017 to 676. For 1991 Region IV had the *largest decrease* in the number of TSP samplers operating, from 381 to 187, (194 samplers, 51 percent), followed by Region IX with 67 (from 82 to 15, for 82 percent), and by Region III with 39 samplers (157 to 118, for 25 percent). In 1992 it is anticipated that there will continue to be reductions in the TSP network of a projected 44 samplers (7 percent) from 676 to 632.

2.1.2 Particulate Matter-10 Micron (PM-10)

The quantity of PM-10 samplers operating nationwide in 1991 has also changed significantly. During 1991, PM-10 had the *second largest change* of the monitored pollutants in the number of operating samplers; an increase of 66 new PM-10 sites, from a reported 1,177 in 1990 to 1,243 (6 percent) in 1991. Not all Regions reported increases in PM-10 sampling sites for 1991, Region X had the *largest increase* with 35 sites, followed by Region IV with 34, and Region II with 21 sites. Region IX had the *largest decrease* with 34 sites, followed by Region V with 15, and Region I with 11 sites. Table 1 also shows a projected increase in PM-10 samplers for 1992 of 116 sites (9 percent) from 1,243 to 1,359.

2.1.3 Lead (Pb)

The number of Pb samplers operating in December 1991 was reported to be 413; an increase of 8 (2 percent) from the 405 samplers operating in December 1990. Four Regions reported Pb sampler increases totaling 24 with the other six Regions showing decreases of 16 samplers. The projections for 1992 are for 434 Pb samplers; an increase of 21 from 1991.

2.1.4 Sulfur Dioxide (SO₂)

The number of SO₂ monitors operating in December 1990 were reported to be 583 as compared to 579 reported operating in December 1991. Five Regions indicated that they operated a total of 22 less SO₂ monitors in 1991 than in 1990 with four Regions reporting increases for a total of 18 for the same period. One Region reports that they will operate the same number of monitors in 1991 as they did in 1990. The projections for 1992 are for 588 monitors, or an increase of nine.

2.1.5 Carbon Monoxide (CO)

There were 483 CO monitors reported operating in 1990 and there are 475 reported as operated in 1991, a decrease of eight. These eight monitors indicate reductions of six SLAMS, three SPM, and an increase of one NAMS. There are scheduled to be 498 monitors operating in 1992 for an increase of 23 (<5 percent) from the 475 operated in 1991.

2.1.6 Ozone (O₃)

There were 769 O₃ monitors operating in December 1991, which represents a decrease of 16 (2 percent) from the 785 monitors operating in December 1990. Only Region IX reported a significant decrease from 1990 to 1991 in the number of O₃ monitors operated; in 1990 they operated 192 O₃ monitors, in 1991 they operated 154, 38 less (20 percent). Regions I, II, IV, V, VI, VII, and VIII had O₃ monitor increases of 2, 5, 8, 5, 2, 1, and 1, respectively. Along with Region IX, Region X also reported a decrease, from 21 to 19 monitors. Region III is reporting that they operated the same number of O₃ monitors in both 1990 and 1991. The projections for 1992 show an increase of 34 monitors (4 percent) from 769 to 803.

2.1.7 Nitrogen Dioxide (NO₂)

The number of NO₂ monitors operated in 1990, as opposed to those operated 1991, has changed very little. However, for the fourth year in a row, there was a total increase in the number of NO₂ monitors operating. The number of monitors are reported to have increased from December 1990 to December 1991 by only two (< 1 percent) from 306 to 308. This is the result of a 7 percent increase in the number of SLAMS's, from 180 to 193 monitors, being offset by a 17 percent decrease in SPM's. It is also being reported that the number of NAMS NO₂ monitors are increasing by only one. For 1992 an additional 9 NO₂ monitors are scheduled to begin operating; bringing the total to 317.

2.2 1991 Regional Status

Tables 2 through 12 show the summary of SLAMS, NAMS, and SPM monitors reported as operating in each Region by State, local agency, and pollutant. A discussion of each Region follows.

2.2.1 Region I

Table 2 indicates that there were 314 monitors operating in Region I at the end of December 1991, a decrease of 30 (9 percent) from the 344 reported as operated in 1990. These changes are the result of decreases in the number TSP, PM-10, Pb, and SO₂ pollutant monitors, with increases in O₃ and NO₂, while the number of CO sites remained the same. Connecticut, Maine, Massachusetts, New Hampshire and Vermont had decreases in the number of monitors operated in 1991 of 6, 7, 13, 3, and 1, respectively. There was no change once again reported for Rhode Island. The projections for Region I in 1992 are for a network decrease of 2 monitors (<1 percent) to 312, with decreases in TSP and PM-10 samplers accounting for most of the changes.

2.2.2 Region II

There were 300 monitors operating in Region II in December 1991 as shown in Table 3. This represents an increase of 24 monitors (9 percent) from the reported 276 monitors operating in 1990. The majority of the change is accounted for with the increase of 21 PM-10 samplers. New York had an increase of 28 monitors while

New Jersey and Puerto Rico had reductions of 1 and 3 in 1991, with the Virgin Islands remaining the same. The indicated projections for 1992 in Region II are for 308 monitors; an increase of eight monitors (<3 percent) from the 1991 total of 300.

2.2.3 Region III

As shown in Table 4 there were 577 monitors operating in December 1991. This represents a decrease of 10 monitors (<2 percent) from the 587 monitors operating in December 1990. These changes were the result of a decrease of 39 TSP samplers, and an increase of 16 PM-10 samplers, 11 Pb samplers and 2 NO₂ monitors. Pennsylvania and Virginia had increases in the number of monitors in 1991 of 14 and 2. Delaware, the District of Columbia and Maryland had decreases of 2, 6, and 18, respectively, with only West Virginia remaining unchanged. The States in Region III plan to make no changes in the number of monitors proposed for operation in 1992 and have indicated they will continue to operate 577 monitors.

2.2.4 Region IV

Table 5 indicates that there were 765 monitors operating in Region IV in December 1991, or a decrease of 140 (15 percent) from the 905 monitors listed as operating in 1990. *These reported 765 monitors still represent the largest Regional air monitoring network in the country: the national network is being reported to total 4,463 monitors.* The States in Region IV also operate the largest TSP and Pb networks in the nation; 187 and 79 samplers. Furthermore, the 187 TSP samplers

operating in Region IV represent 28 percent of the total 676 TSP samplers operating nationwide, while the Pb network represents 19 percent. The major change in the Region IV network is the reported reduction, by 194, in TSP samplers. Other changes for 1991 in Region IV include increases of 34 for PM-10, 5 for CO, 8 for O₃, and 14 for NO₂, with the number of Pb and SO₂ monitors decreasing by 1 and 6. Alabama, Florida, Kentucky, Mississippi, and North Carolina decreased their monitoring networks by 35, 91, 2, 2, and 21, respectively. Georgia and South Carolina have indicated an increase in monitors operated in 1991 on the order of 2 and 9. The number of monitors reported for Tennessee remains unchanged. For 1992 the projected number of monitors planned for operation in Region IV amount to 883; an increase of 118 (15 percent) over the 765 reported as operated in December 1991.

2.2.5 Region V

There were 763 monitors operating in Region V in December 1991 as Table 6 indicates. This is a net decrease of 18 monitors (2 percent) from the 781 monitors reported operating in 1990. Most of the changes are accounted for in the decrease of 15 PM-10 samplers, 16 CO monitors and increases by 4 in Pb samplers, 6 in SO₂ and 5 in O₃ monitors. Region V with 204 PM-10 and 125 SO₂ sites has the most of any Region, and represents 16 percent of the 1,243 PM-10 samplers and 22 percent of the 579 SO₂ monitors operated nationally. Only Minnesota reported an increase in the size of their monitoring network, from 68 in 1990 to 108 in 1991.

The remaining Region V States; Illinois, Indiana, Michigan, Ohio, and Wisconsin reported decreases in their networks of 1, 13, 24, 18, and 2 monitors, respectively. The Region V States are expecting to operate 765 monitors in 1992; an increase of only 2 from the 763 they operated in 1991.

2.2.6 Region VI

As shown in Table 7, Region VI reported that 397 monitors were operating at the end of December 1991, an increase of 18 monitors (5 percent) from the 379 as reported operating in December 1990. Overall, the majority of Region VI changes amounted to increases of 10 PM-10 samplers, 8 Pb samplers, and, 2 O₃ monitors. An increase of 1 TSP sampler has also been reported. The New Mexico network reported decreases for 1991 of two monitors, with the Oklahoma network also decreasing by one monitor. However, the States of Arkansas, Louisiana, and Texas reported that they all had net increases in 1991 of 2, 4, and 15 monitors, respectively. It is projected that the Region VI network for 1992 will consist of 399 monitors, an increase of 2 (< 1 percent) from the 397 as reported operating in 1991.

2.2.7 Region VII

The 1991 status for Region VII, as reported in Table 8, shows the network to consist of 275 sites, which is an increase of 8 (3 percent) from the 267 sites as reported in 1990. Most of this change was due to an increase of 6 SO₂ sites. Iowa, Kansas, and Nebraska had net increases of five, two, and one sites, respectively, with

Missouri remaining the same. The 1992 projections are for 284 sites, for an increase of 9 (3 percent) from the 275 sites operating in 1991.

2.2.8 Region VIII

Region VIII reports that in December 1991 there were 239 monitoring sites operating, as is depicted in Table 9. This is an increase of 8 sites (3 percent) from the 231 sites reported for 1990. These changes are the result of decreases in the TSP, Pb, SO₂, and NO₂ networks of 4, 1, 2, and 1, respectively. The network additions include ten PM-10, five CO, and one O₃. All the States report only minor network changes; Colorado, Montana, and North Dakota had one monitor decreases, with South Dakota, Utah and Wyoming reporting increases of one, five and five, respectively. In 1992, the projected network is for 253 sites, or an increase of 14 from the 239 sites operating in 1991.

2.2.9 Region IX

There were 617 monitoring sites operating in Region IX in December 1991 as is indicated in Table 10. This was a decrease of 181 sites (23 percent) from the 798 sites operated in 1990. This was due to network reductions in all monitored pollutants; decreases of 67 in TSP, 34 in PM-10, 4 in Pb, 11 in SO₂, 8 in CO, 38 in O₃, and 19 in NO₂ sites. Region IX with 111 CO, 154 O₃, and 94 NO₂ sites has the most of any Region, and represents 23 percent of the 475 CO monitors, 20 percent of the 769 O₃, and 31 percent of the 308 NO₂ monitors operated

nationally. Only Arizona increased the size of their network; -by 2 sites. The majority of the reported decreases can be accounted for by California's reductions totaling 178, with Guam, Hawaii, and Nevada also reporting net decreases in the number of sites operated in 1991, of 3, 1, and 1, respectively. The projections for 1992 are to be an additional 16 monitors, which will result in a reported 633 sites.

2.2.10 Region X

Table 11 indicates that there were 216 monitoring sites operating in Region X in December 1991, which was an increase of 28 (15 percent) from the 188 that were operated in 1991. This network change resulted mostly from an increase of 35 PM-10 samplers (43 percent). Other monitor changes were; decreases of nine TSP, one Pb, two O₃, and increases of three SO₂, one CO, and one NO₂ site. Alaska, Idaho, and Oregon had net increases in 1991 of 6, 14, and 17 monitoring sites, respectively. With Washington reporting that their monitoring sites decreased by 9. The projections for 1992 are for an increase of 1 site for a total of 217.

3. 1983-1991 Historical Status

Table 12 provides information detailing the Regional status, by pollutant, for each year from 1983 through 1991. This historical overview displays the number of SLAMS and NAMS by pollutant for 1983-1991. For 1988 to 1991, the number of SPM sites are also included for each pollutant. The number of PM-10 sites was first reported in 1987, and has continued through 1991. Figure 1 shows graphically the

number of SLAMS and NAMS sites from 1983-1991. The SPM sites are also shown for years 1988-1991; the only years this information was tabulated. The totals shown in Figure 1 for 1983-1987 are for the combination of the SLAMS and NAMS, while the totals for 1988-1991 also includes the SPM sites.

The total number of sites as reported for 1991, total 4,463, or 300 less than the total reported for 1983 (4,463 versus 4,763); however, significant changes have been made in the number of sites for some of the pollutants. Table 12 also shows the national totals for each pollutant for 1983-1991, and these numbers are also depicted graphically in Figure 2 and Figure 3. Figure 2 shows the number of O₃, SO₂, CO, and NO₂ sites from 1983 through 1991, and Figure 3 shows the number of TSP, PM-10, and Pb sites from 1983 through 1991. It should be noted that the large increases for O₃, SO₂, Pb, and to a lesser extent for CO and NO₂ (as shown in Figures 2 and 3 for 1987 to 1988) are mainly due to inclusion of SPM monitors in the tabulations for 1988. The number of SPM monitors were not included in the data base prior to year 1987 because they were not available.

Table 12 shows that there were 2,502 TSP sites operating in 1983 as compared to 676 sites in 1991, for a reduction of 1,826 (73 percent). As previously mentioned, the changes in the number of TSP sites reflect the change in the form of the particulate standard promulgated in 1987 from TSP to PM-10. The PM-10 sites were first tabulated in 1987 at 583 sites. The number of PM-10 sites has increased by 660 (113 percent) to 1,243 in 1991. The number of Pb sites continue to increase modestly, from 365 sites in 1983 to 413 sites in 1991 for an increase of 48 (13

percent). For SO₂ there was a small increase of 11 sites (< 2 percent) from 568 sites in 1983 to 579 in 1991. The increase of CO sites was 36 (8 percent) from 439 in 1983 to 475 in 1991. The number of O₃ sites increased by 162 (27 percent) from 607 in 1983 to 769 in 1991. There has also been a moderate increase of 26 NO₂ sites (9 percent) from 282 in 1983 to 308 in 1991.

Tables 13 to 22 depict summaries from years 1983-1991 for each Region, State, and pollutant indicating the number of SLAMS, NAMS, and SPM monitors by year.

Figure 1.

COMPARISON OF SLAMS, NAMS, SPM, AND TOTAL AIR MONITORS

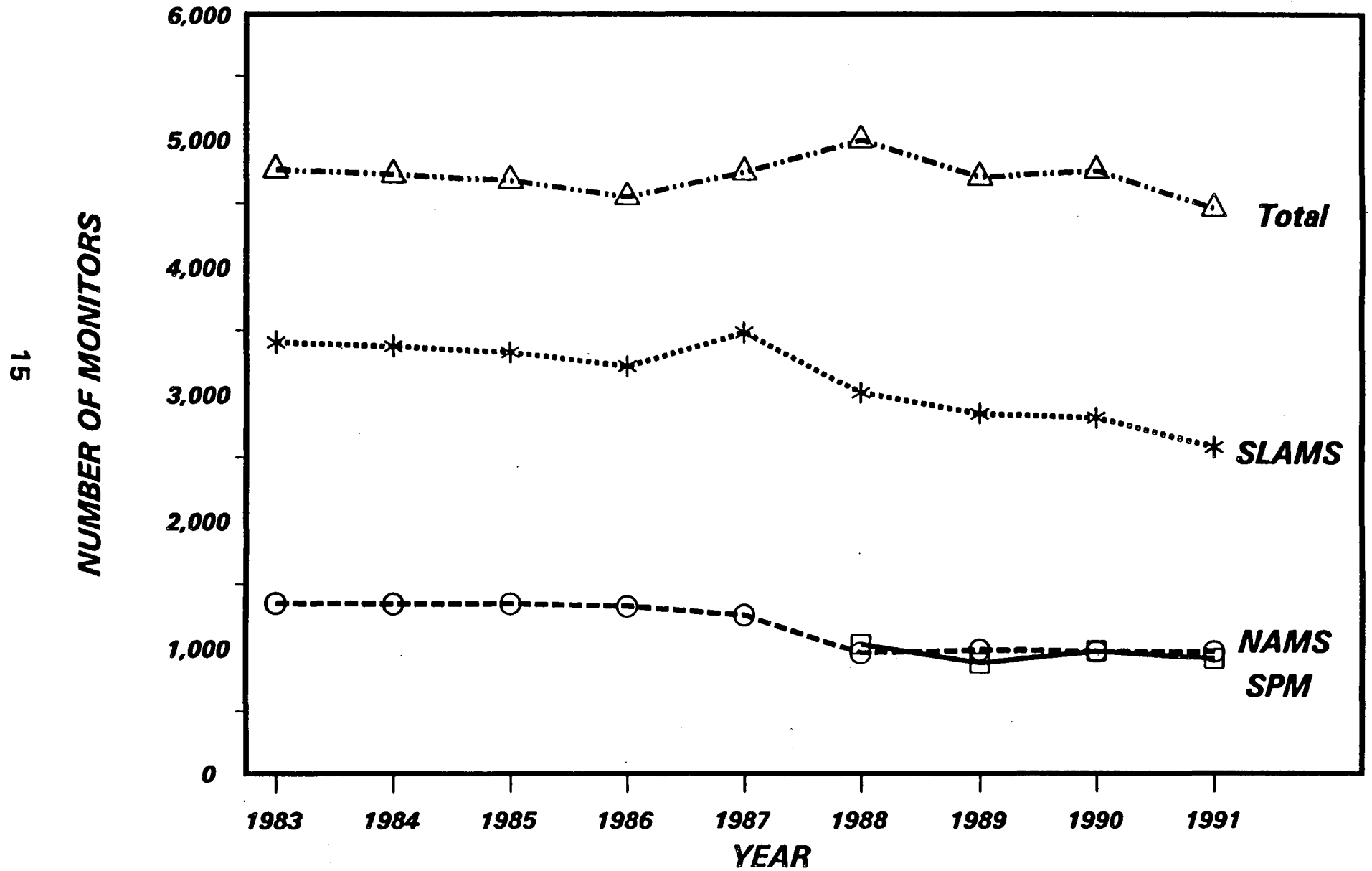


Figure 2.

COMPARISON OF CRITERIA POLLUTANT TOTAL MONITORS

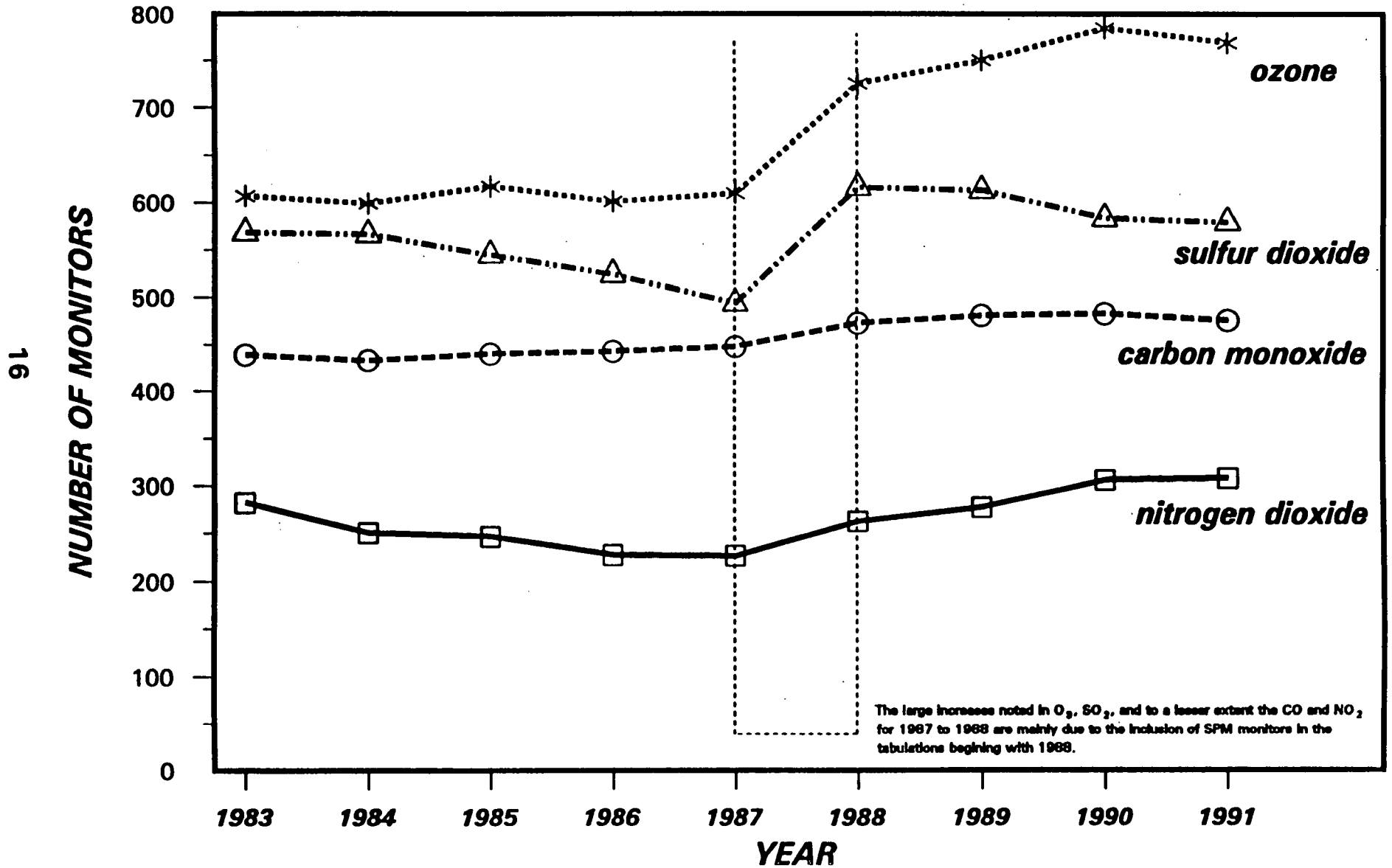
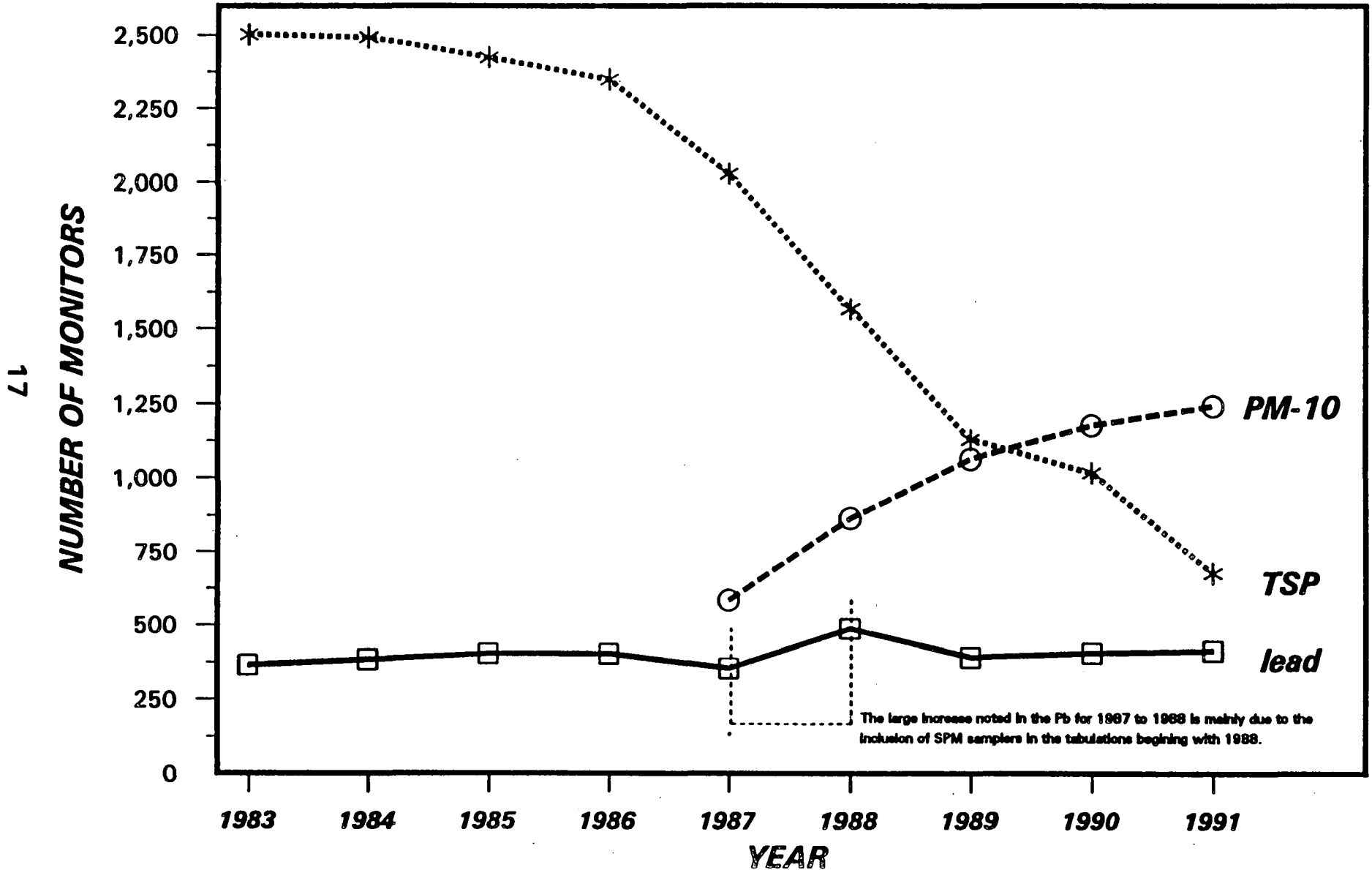


Figure 3.

COMPARISON OF PARTICULATE POLLUTANT TOTAL SAMPLERS



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TABLE 1. National 1991 Summary of SLAMS, NAMS, and SPM by Region and Pollutant

Dec 1991

Region	TSP			PM-10			Pb			SO ₂			
	a	b	c	a	b	c	a	b	c	a	b	c	
	SLAMS	NAMS	SPM	SLAMS	NAMS	SPM	SLAMS	NAMS	SPM	continuous	bubbler	SPM	
I	21 / 20 ^c	-	19 / 19	65 / 65 ^c	23 / 23	19 / 19	14 / 14 ^c	8 / 8	7 / 7	26 / 27 ^c	-	20 / 20	8 / 8
II	40 / 42	-	7 / 7	67 / 68	22 / 23	4 / 4	12 / 13	10 / 8	-	27 / 27	-	17 / 17	3 / 3
III	-	-	118 / 118	92 / 92	27 / 27	-	39 / 39	10 / 10	13 / 13	36 / 36	-	38 / 38	19 / 19
IV	54 / 53	-	133 / 128	135 / 181	26 / 35	11 / 30	43 / 44	19 / 22	17 / 16	48 / 48	2 / 2 ^c	11 / 20	13 / 14
V	62 / 41	-	51 / 46	123 / 131	55 / 66	26 / 32	36 / 36	20 / 20	22 / 31	60 / 55	-	45 / 45	20 / 23
VI	29 / 23	-	5 / 3	79 / 82	36 / 37	9 / 9	19 / 19	14 / 14	17 / 18	28 / 27	-	8 / 9	9 / 9
VII	49 / 49	-	29 / 29	33 / 36	16 / 16	9 / 9	10 / 12	6 / 6	12 / 15	18 / 17	-	10 / 11	11 / 12
VIII	18 / 16	-	11 / 10	62 / 68	15 / 18	22 / 24	10 / 9	4 / 4	2 / 3	10 / 10	-	4 / 4	15 / 15
IX	8 / 8	-	7 / 6	102 / 110	43 / 43	6 / 5	18 / 21	16 / 16	5 / 5	40 / 43	-	12 / 12	0 / 1
X	8 / 8	-	7 / 7	63 / 62	19 / 20	34 / 34	5 / 5	3 / 4	1 / 1	13 / 13	-	4 / 4	2 / 2
Total	289 / 260	-	387 / 372	821 / 895	282 / 298	140 / 166	207 / 212	110 / 112	96 / 110	308 / 300	2 / 2	169 / 180	100 / 106
Total (SLAMS + NAMS + SPM)	676 / 632			1243 / 1359			413 / 434			579 / 588			

- a. Number of SLAMS monitors excluding NAMS.
- b. Number of monitors operating/required.
- c. Number of monitors operating in 1991/planned in 1992.

TABLE 1. National 1991 Summary of SLAMS, NAMS, and SPM by Region and Pollutant
(continued)

Dec 1991

Region	CO			O3			NO2			Subtotals			Total			
	a SLAMS	b NAMS	c SPM	a SLAMS	b NAMS	c SPM	a SLAMS	b NAMS	c SPM	a SLAMS	b NAMS	c SPM				
I	11 / 11 ^a	8 / 8	-	23 / 23 ^c	16 / 16	8 / 8	10 / 10 ^c	2 / 2	4 / 4	172 / 170	77 / 77	65 / 65	314 / 312			
II	21 / 24	11 / 11	-	18 / 19	18 / 18	8 / 7	8 / 8	6 / 8	1 / 1	183 / 201	84 / 85	23 / 22	300 / 308			
III	40 / 40	10 / 10	2 / 2	59 / 59	21 / 21	5 / 5	33 / 33	8 / 8	7 / 7	299 / 298	114 / 114	164 / 164	577 / 577			
IV	45 / 45	24 / 27	6 / 8	66 / 68	48 / 61	22 / 34	24 / 29	4 / 8	14 / 13	417 / 467	132 / 173	216 / 243	765 / 883			
V	37 / 38	20 / 20	1 / 8	83 / 89	50 / 50	10 / 14	11 / 9	12 / 12	9 / 9	422 / 398	202 / 203	139 / 163	763 / 765			
VI	15 / 17	16 / 16	5 / 5	40 / 41	28 / 28	10 / 10	17 / 18	6 / 6	7 / 7	227 / 227	108 / 110	62 / 62	397 / 399			
VII	17 / 17	6 / 6	3 / 3	18 / 18	11 / 11	4 / 4	6 / 6	4 / 4	3 / 3	151 / 155	53 / 54	71 / 75	275 / 284			
VIII	22 / 24	4 / 4	5 / 5	13 / 13	6 / 10	1 / 1	7 / 7	2 / 2	6 / 6	142 / 147	35 / 42	62 / 64	239 / 253			
IX	81 / 83	20 / 20	10 / 11	112 / 111	28 / 28	14 / 17	76 / 76	12 / 12	6 / 6	438 / 452	131 / 131	48 / 50	617 / 633			
X	22 / 22	3 / 3	10 / 10	6 / 6	3 / 7	10 / 6	1 / 1	1 / 1	1 / 1	118 / 117	33 / 39	68 / 61	216 / 217			
Total	311 / 321	122 / 125	42 / 52	448 / 447	229 / 250	92 / 106	193 / 197	67 / 63	58 / 57	2579 / 2634	969 / 1028	915 / 969	4463 / 4631			
(SLAMS + NAMS + SPM)													475 / 488	789 / 803	308 / 317	4463 / 4631

a. Number of SLAMS monitors excluding NAMS.

b. Number of monitors operating/required.

c. Number of monitors operating in 1991/planned in 1992.

TABLE 2. Region I 1991 Summary of SLAMS, NAMS, and SPM by State and Pollutant

Region I

Dec 1991

State	TSP			PM-10			Pb			SO2				
	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a		NAMS ^b	SPM ^c	
										continuous	bubbler			
CT	1 / 1 ^o	-	5 / 5	19 / 19 ^c	12 / 12	1 / 1	4 / 4 ^o	2 / 2	-	8 / 8 ^o	-	4 / 4	-	
ME	2 / 2	-	13 / 13	17 / 17	1 / 1	17 / 17	2 / 2	-	7 / 7	6 / 6	-	2 / 2	8 / 8	
MA	6 / 6	-	-	11 / 11	6 / 6	-	-	4 / 4	-	2 / 1	-	9 / 9	-	
NH	1 / 1	-	-	14 / 14	1 / 1	1 / 1	6 / 6	-	-	10 / 10	-	1 / 1	-	
RH	11 / 10	-	-	-	2 / 2	-	2 / 2	2 / 2	-	-	-	3 / 3	-	
VT	-	-	1 / 1	4 / 4	1 / 1	-	-	-	-	1 / 1	-	1 / 1	-	
Regional Total	21 / 20	-	19 / 19	65 / 65	23 / 23	19 / 19	14 / 14	8 / 8	7 / 7	28 / 27	-	20 / 20	8 / 8	
Total (SLAMS + NAMS + SPM)														
			40 / 39			107 / 107			29 / 29			66 / 65		

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State	CO			O3			NO2			Subtotals			Totals	
	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a		NAMS ^b		SPM ^c
										SLAMS ^a	NAMS ^b			
CT	3 / 3 ^o	2 / 2	-	6 / 6 ^o	6 / 6	1 / 1	3 / 3 ^o	-	1 / 1	44 / 44 ^o	26 / 26	8 / 8	78 / 78	
ME	-	-	-	4 / 4	-	5 / 5	-	-	1 / 1	31 / 31	3 / 3	51 / 51	86 / 86	
MA	4 / 4	4 / 4	-	7 / 7	8 / 8	1 / 1	2 / 2	2 / 2	2 / 2	32 / 31	33 / 33	3 / 3	68 / 67	
NH	2 / 2	-	-	4 / 4	1 / 1	1 / 1	2 / 2	-	-	39 / 39	3 / 3	2 / 2	44 / 44	
RH	-	2 / 2	-	1 / 1	1 / 1	-	1 / 1	-	-	16 / 14	10 / 10	-	26 / 24	
VT	2 / 2	-	-	2 / 2	-	-	2 / 2	-	-	11 / 11	2 / 2	1 / 1	14 / 14	
Regional Total	11 / 11	8 / 8	-	23 / 23	16 / 16	8 / 8	10 / 10	2 / 2	4 / 4	172 / 170	77 / 77	65 / 65	314 / 312	
Total (SLAMS + NAMS + SPM)														
			19 / 19			47 / 47			16 / 16			314 / 312		

a. Number of SLAMS monitors excluding NAMS.
 b. Number of monitors operating/required.
 c. Number of monitors operating in 1991/planned in 1992.

TABLE 3. Region II 1991 Summary of SLAMS, NAMS, and SPM by State and Pollutant

Region II

Dec 1991

State	TSP			PM-10			Pb			SO2			
	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a continuous	SLAMS ^a bubbler	NAMS ^b	SPM ^c
NJ	-	-	-	15 / 15 ^c	7 / 8	-	5 / 6 ^c	2 / 2	-	10 / 10 ^c	-	6 / 6	-
NY	32 / 32 ^c	-	4 / 4	44 / 44	11 / 11	4 / 4	7 / 7	6 / 6	-	11 / 11	-	11 / 11	3 / 3
PR	5 / 5	-	3 / 3	8 / 8	4 / 4	-	-	3 / 1	-	4 / 4	-	-	-
VI	3 / 5	-	-	0 / 1	-	-	-	-	-	2 / 2	-	-	-
Regional Total	40 / 42		7 / 7	67 / 68	22 / 23	4 / 4	12 / 13	10 / 8		27 / 27		17 / 17	3 / 3
Total (SLAMS + NAMS + SPM)		47 / 49		93 / 95			22 / 21			47 / 47			

State	CO			O3			NO2			Subtotals			Totals
	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	
NJ	13 / 14 ^c	2 / 2	-	9 / 9 ^c	6 / 6	-	6 / 6 ^c	2 / 2	-	58 / 60 ^c	26 / 26	-	83 / 86
NY	8 / 9	7 / 7	-	9 / 10	11 / 11	8 / 7	2 / 2	4 / 4	1 / 1	113 / 115	48 / 48	20 / 18	182 / 183
PR	0 / 1	2 / 2	-	-	1 / 1	-	-	0 / 2	-	17 / 18	10 / 10	3 / 3	30 / 31
VI	-	-	-	-	-	-	-	-	-	5 / 5	-	-	5 / 5
Regional Total	21 / 24	11 / 11		18 / 19	18 / 18	8 / 7	8 / 8	6 / 8	1 / 1	193 / 201	84 / 85	23 / 22	300 / 308
Total (SLAMS + NAMS + SPM)		32 / 35		44 / 44			15 / 17			300 / 308			

- a. Number of SLAMS monitors excluding NAMS.
- b. Number of monitors operating/required.
- c. Number of monitors operating in 1991/planned in 1992.

TABLE 4. Region III 1991 Summary of SLAMS, NAMS, and SPM by State and Pollutant

Region III

Dec 1991

State/local Agency	TSP			PM-10			Pb			SO2		
	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a continuous	NAMS ^b bubbler	SPM ^c
DE	-	-	3 / 3	4 / 4 ^o	1 / 1	-	-	-	-	5 / 5 ^o	-	1 / 1
DC	-	-	-	-	2 / 2	-	-	2 / 2	-	-	-	2 / 2
MD	-	-	8 / 8	16 / 16	5 / 5	-	3 / 3	2 / 2	-	2 / 2	-	3 / 3
PA (Total)	-	-	68 / 68	38 / 38	13 / 13	-	24 / 24	4 / 4	8 / 8	17 / 17	-	21 / 21
State	-	-	36 / 36	21 / 21	3 / 3	-	14 / 14	-	8 / 8	10 / 10	-	11 / 11
Allegheny Co.	-	-	20 / 20	17 / 17	6 / 6	-	2 / 2	2 / 2	-	5 / 5	-	5 / 5
Philadelphia	-	-	12 / 12	-	4 / 4	-	8 / 8	2 / 2	-	2 / 2	-	5 / 5
VA	-	-	18 / 18	32 / 32	4 / 4	-	4 / 4	2 / 2	-	6 / 6	-	6 / 6
WV	-	-	21 / 21	2 / 2	2 / 2	-	8 / 8	-	4 / 4	6 / 6	-	5 / 5
Regional Total	-	-	118 / 118	92 / 92	27 / 27	-	39 / 39	10 / 10	13 / 13	36 / 36	-	38 / 38
Total (SLAMS + NAMS + SPM)	118 / 118			119 / 119			62 / 62			93 / 93		

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State/local Agency	CO			O3			NO2			Subtotals			Totals
	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	
DE	2 / 2 ^o	-	-	4 / 4 ^o	1 / 1	-	2 / 2 ^o	-	-	17 / 17 ^o	3 / 3	3 / 3	23 / 23
DC	-	2 / 2	-	1 / 1	1 / 1	-	-	2 / 2	-	1 / 1	11 / 11	0 / 0	12 / 12
MD	5 / 5	2 / 2	-	10 / 10	3 / 3	2 / 2	1 / 1	2 / 2	1 / 1	37 / 37	17 / 17	11 / 11	65 / 65
PA (Total)	20 / 20	4 / 4	1 / 1	24 / 24	11 / 11	2 / 2	17 / 17	4 / 4	4 / 4	140 / 140	57 / 57	93 / 93	290 / 290
State	15 / 15	-	1 / 1	20 / 20	8 / 8	-	15 / 15	-	4 / 4	85 / 85	22 / 22	58 / 58	175 / 175
Allegheny Co.	2 / 2	2 / 2	-	2 / 2	2 / 2	-	1 / 1	2 / 2	-	29 / 29	10 / 10	21 / 21	60 / 60
Philadelphia	3 / 3	2 / 2	-	2 / 2	1 / 1	2 / 2	1 / 1	2 / 2	-	16 / 16	16 / 16	14 / 14	46 / 46
VA	10 / 10	2 / 2	-	16 / 16	5 / 5	-	8 / 8	-	1 / 1	76 / 76	10 / 10	18 / 18	114 / 114
WV	3 / 3	-	1 / 1	5 / 5	-	1 / 1	4 / 4	-	1 / 1	28 / 28	7 / 7	38 / 38	73 / 73
Regional Total	40 / 40	10 / 10	2 / 2	69 / 69	21 / 21	5 / 5	33 / 33	8 / 8	7 / 7	299 / 299	114 / 114	164 / 164	677 / 677
Total (SLAMS + NAMS + SPM)	52 / 52			85 / 85			48 / 48			677 / 677			

- a. Number of SLAMS monitors excluding NAMS.
- b. Number of monitors operating/required.
- c. Number of monitors operating in 1991/planned in 1992.

TABLE 5. Region IV 1991 Summary of SLAMS, NAMS, and SPM by State and Pollutant

Region IV

Dec 1991

State/local Agency	TSP			PM-10			Pb			SO2			
	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a		NAMS ^b	SPM ^c
										continuous	bubbler		
AL (Total)	-	-	12 / 15	32 / 32 ^c	2 / 2	2 / 2	5 / 7 ^c	2 / 2	3 / 2	1 / 1 ^c	-	1 / 1	-
State	-	-	12 / 15	26 / 26	-	2 / 2	3 / 4	-	-	1 / 1	-	-	-
Jefferson Co.	-	-	-	5 / 5	2 / 2	-	2 / 3	2 / 2	3 / 2	-	-	1 / 1	-
Huntsville	-	-	-	1 / 1	-	-	-	-	-	-	-	-	-
FL (Total)	1 / 0 ^c	-	6 / 2	23 / 49	8 / 13	3 / 8	2 / 3	11 / 12	2 / 2	16 / 12	2 / 2 ^c	5 / 12	2 / 2
State	-	-	-	7 / 24	1 / 4	0 / 1	0 / 1	2 / 2	-	8 / 8	-	1 / 4	1 / 1
Jacksonville	-	-	-	2 / 2	1 / 1	-	-	2 / 2	1 / 1	2 / 2	-	1 / 2	-
Hilaborough Co.	-	-	-	3 / 3	1 / 1	1 / 4	2 / 2	1 / 2	-	2 / 1	-	1 / 2	-
Pinellas Co.	-	-	6 / 0	0 / 4	1 / 1	1 / 0	-	2 / 2	1 / 0	1 / 1	-	2 / 2	1 / 1
Palm Beach Co.	-	-	-	3 / 6	0 / 1	-	-	-	-	1 / 1	-	-	-
Broward Co.	1 / 0	-	0 / 2	7 / 8	2 / 2	0 / 2	-	2 / 2	0 / 1	1 / 0	2 / 2	0 / 2	-
Dade Co.	-	-	-	1 / 1	2 / 3	1 / 1	-	2 / 2	-	1 / 1	-	-	-
GA	-	-	41 / 41	1 / 1	2 / 2	1 / 1	2 / 2	2 / 2	10 / 10	6 / 6	-	2 / 2	-
KY (Total)	2 / 2	-	5 / 1	29 / 29	4 / 4	1 / 7	1 / 2	2 / 2	-	9 / 8	-	2 / 2	2 / 2
State	-	-	4 / 0	26 / 26	2 / 2	0 / 6	1 / 1	-	-	8 / 8	-	-	1 / 1
Jefferson Co.	2 / 2	-	1 / 1	3 / 3	2 / 2	1 / 1	0 / 1	2 / 2	-	-	-	2 / 2	1 / 1
MS	11 / 11	-	1 / 1	5 / 6	1 / 1	1 / 1	4 / 2	-	-	3 / 3	-	-	-
NC (Total)	31 / 31	-	4 / 4	16 / 34	3 / 3	1 / 8	-	-	-	3 / 3	-	-	4 / 5
State	26 / 26	-	-	9 / 25	2 / 2	0 / 8	-	-	-	2 / 2	-	-	4 / 5
Forsyth Co.	-	-	3 / 3	5 / 5	-	1 / 1	-	-	-	1 / 1	-	-	-
Mecklenberg Co.	1 / 1	-	1 / 1	-	1 / 1	-	-	-	-	-	-	-	-
Western NC	4 / 4	-	-	2 / 4	-	-	-	-	-	-	-	-	-
SC	-	-	31 / 31	17 / 17	3 / 3	-	21 / 21	-	-	8 / 8	-	1 / 1	-
TN (Total)	9 / 9	-	33 / 33	12 / 13	3 / 7	2 / 2	8 / 7	2 / 4	2 / 2	2 / 3	-	0 / 2	5 / 5
State	-	-	14 / 14	5 / 6	0 / 1	-	4 / 4	-	-	1 / 2	-	-	5 / 5
Memphis	-	-	4 / 4	0 / 1	1 / 2	-	3 / 2	1 / 2	-	1 / 0	-	0 / 1	-
Nashville	6 / 6	-	10 / 10	4 / 4	1 / 2	1 / 1	1 / 1	1 / 2	2 / 2	0 / 1	-	0 / 1	-
Knoxville	3 / 3	-	-	1 / 1	1 / 1	1 / 1	-	-	-	-	-	-	-
Chattanooga	-	-	5 / 5	2 / 1	0 / 1	-	-	-	-	-	-	-	-
Regional Total	64 / 63	-	133 / 128	136 / 181	26 / 35	11 / 30	43 / 44	19 / 22	17 / 18	48 / 45	2 / 2	11 / 20	13 / 14
Total (SLAMS + NAMS + SPM)	187 / 181			172 / 246			79 / 82			74 / 81			

TABLE 5. Region IV 1991 Summary of SLAMS, NAMS, and SPM by State and Pollutant

Region IV

(continued)

Dec 1991

State/Local Agency	CO			O3			NO2			Subtotals			Totals
	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	
AL (Total)	4 / 4 ^c	2 / 2	-	4 / 7 ^c	2 / 4	0 / 1	2 / 2 ^c	-	2 / 2	48 / 53 ^c	9 / 11	19 / 22	76 / 86
State	-	-	-	0 / 3	0 / 2	0 / 1	-	-	2 / 2	30 / 34	0 / 2	16 / 20	46 / 56
Jefferson Co.	3 / 3	2 / 2	-	3 / 3	2 / 2	-	1 / 1	-	-	14 / 16	9 / 9	3 / 2	26 / 26
Huntsville	1 / 1	-	-	1 / 1	-	-	1 / 1	-	-	4 / 4	-	-	4 / 4
FL (Total)	13 / 14	12 / 13	1 / 1	10 / 9	19 / 26	-	6 / 5	2 / 6	2 / 0	73 / 84	57 / 82	16 / 16	146 / 191
State	1 / 2	2 / 2	-	5 / 4	8 / 15	-	1 / 1	-	-	23 / 38	14 / 27	1 / 2	37 / 67
Jacksonville	3 / 3	2 / 2	-	-	2 / 2	-	1 / 1	-	-	8 / 8	8 / 9	1 / 1	17 / 18
Hillsborough Co.	2 / 2	2 / 2	-	2 / 2	1 / 1	-	1 / 0	0 / 1	-	12 / 10	6 / 8	1 / 4	19 / 23
Pinellas Co.	1 / 1	2 / 2	1 / 1	1 / 1	2 / 2	-	-	0 / 1	2 / 0	3 / 7	9 / 10	12 / 2	24 / 19
Palm Beach Co.	1 / 0	0 / 1	-	-	2 / 2	-	1 / 1	-	-	6 / 8	2 / 4	-	8 / 12
Broward Co.	4 / 4	2 / 2	-	1 / 1	2 / 2	-	-	0 / 2	-	16 / 16	8 / 12	0 / 6	24 / 33
Dade Co.	1 / 2	2 / 2	-	1 / 1	2 / 2	-	2 / 2	2 / 2	-	6 / 7	10 / 11	1 / 1	17 / 19
GA	1 / 1	2 / 2	-	2 / 2	5 / 6	4 / 4	-	2 / 2	-	12 / 12	16 / 16	56 / 56	83 / 84
KY (Total)	7 / 7	2 / 2	2 / 3	13 / 13	1 / 1	9 / 16	7 / 8	-	1 / 3	68 / 70	11 / 11	20 / 32	99 / 113
State	6 / 6	-	1 / 1	12 / 12	-	8 / 15	6 / 7	-	0 / 2	60 / 61	2 / 2	14 / 25	78 / 88
Jefferson Co.	1 / 1	2 / 2	1 / 2	1 / 1	1 / 1	1 / 1	1 / 1	-	1 / 1	8 / 9	9 / 9	6 / 7	23 / 25
MS	1 / 1	-	-	8 / 8	2 / 2	0 / 2	-	-	-	32 / 31	3 / 3	2 / 4	37 / 38
NC (Total)	12 / 12	2 / 2	3 / 4	13 / 13	6 / 7	3 / 4	2 / 2	-	3 / 3	77 / 88	11 / 12	16 / 29	106 / 136
State	6 / 6	-	2 / 3	7 / 7	4 / 5	2 / 3	1 / 1	-	2 / 2	51 / 67	6 / 7	10 / 21	67 / 95
Forsyth Co.	3 / 3	-	-	3 / 3	-	-	1 / 1	-	-	13 / 13	-	4 / 4	17 / 17
Mecklenberg Co.	3 / 3	2 / 2	-	1 / 1	2 / 2	-	-	-	1 / 1	5 / 5	6 / 6	2 / 2	12 / 12
Western NC	-	-	1 / 1	2 / 2	-	1 / 1	-	-	-	8 / 10	-	2 / 2	10 / 12
SC	2 / 2	-	-	14 / 13	5 / 7	1 / 0	6 / 6	-	2 / 2	68 / 67	9 / 11	34 / 33	111 / 111
TN (Total)	5 / 4	4 / 6	-	2 / 3	8 / 8	5 / 7	1 / 6	-	4 / 3	39 / 45	17 / 27	51 / 52	107 / 124
State	-	-	-	1 / 2	1 / 1	5 / 7	0 / 2	-	3 / 3	11 / 16	1 / 2	27 / 28	39 / 47
Memphis	3 / 3	2 / 2	-	-	2 / 2	-	1 / 2	-	-	8 / 8	6 / 9	4 / 4	18 / 21
Nashville	1 / 1	2 / 2	-	1 / 1	1 / 1	-	0 / 2	-	1 / 0	13 / 16	5 / 8	14 / 13	32 / 37
Knoxville	1 / 0	0 / 2	-	-	2 / 2	-	-	-	-	5 / 4	3 / 5	1 / 1	9 / 10
Chattanooga	-	-	-	-	2 / 2	-	-	-	-	2 / 1	2 / 3	5 / 5	9 / 9
Regional Total	45 / 45	24 / 27	6 / 8	66 / 68	48 / 61	22 / 34	24 / 29	4 / 8	14 / 13	417 / 467	132 / 173	216 / 243	765 / 893
Total (SLAMS + NAMS + SPM)	75 / 80			136 / 163			42 / 50			768 / 893			

- a. Number of SLAMS monitors excluding NAMS.
- b. Number of monitors operating/required.
- c. Number of monitors operating in 1991/planned in 1992.

TABLE 6. Region V 1991 Summary of SLAMS, NAMS, and SPM by State and Pollutant

Region V

Dec 1991

State/local Agency	TSP			PM-10			Pb			SO2			
	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS		NAMS	SPM
										continuous	bubbler		
IL (Total)	22 / 20 ^c	-	2 / 2	24 / 24 ^c	14 / 15	-	16 / 16 ^c	2 / 2	8 / 8	16 / 16 ^c	-	12 / 12	-
State	20 / 18	-	1 / 1	19 / 19	8 / 9	-	16 / 16	-	8 / 8	10 / 10	-	10 / 10	-
Cook Co.	2 / 2	-	1 / 1	5 / 5	6 / 6	-	1 / 1	2 / 2	1 / 1	6 / 6	-	2 / 2	-
IN (Total)	-	-	2 / 2	54 / 54	5 / 5	5 / 6	6 / 6	2 / 2	5 / 5	9 / 9	-	6 / 6	0 / 2
State	-	-	1 / 2	16 / 16	3 / 3	3 / 4	1 / 1	-	5 / 5	5 / 5	-	3 / 3	-
Evansville	-	-	-	4 / 4	-	-	-	-	-	1 / 1	-	-	-
St Joseph Co.	-	-	-	4 / 4	-	-	-	-	-	-	-	-	-
Vigo Co.	-	-	2 / 0	7 / 7	-	2 / 2	-	-	-	1 / 1	-	0 / 3	-
Indianapolis	-	-	-	11 / 11	2 / 2	-	5 / 5	2 / 2	-	2 / 2	-	3 / 0	-
Anderson	-	-	-	4 / 4	-	-	-	-	-	-	-	-	-
Porter Co.	-	-	-	9 / 9	-	-	-	-	-	-	-	-	0 / 2
MI (Total)	15 / 7	-	-	1 / 4	5 / 5	-	11 / 11	2 / 2	-	9 / 9	-	3 / 3	-
State	6 / 0	-	-	1 / 4	-	-	6 / 6	-	-	4 / 1	-	1 / 1	-
Wayne Co.	10 / 7	-	-	-	5 / 5	-	5 / 5	2 / 2	-	5 / 5	-	2 / 2	-
MN	9 / 9	-	9 / 9	6 / 6	7 / 7	21 / 21	3 / 3	2 / 2	5 / 5	3 / 3	-	4 / 4	20 / 20
OH (Total)	16 / 6	-	5 / 0	35 / 39	18 / 18	0 / 5	-	10 / 10	3 / 12	18 / 18	-	17 / 17	-
Central Dist.	-	-	1 / 0	1 / 1	2 / 2	-	-	2 / 2	1 / 3	-	-	2 / 2	-
Northeast Dist.	-	-	-	1 / 1	-	0 / 3	-	-	-	1 / 1	-	2 / 2	-
Northwest Dist.	-	-	1 / 0	1 / 4	-	-	-	-	1 / 1	1 / 1	-	-	-
Southeast Dist.	1 / 0	-	1 / 0	2 / 2	-	-	-	-	-	3 / 3	-	-	-
Southwest Dist.	-	-	-	-	-	-	-	-	1 / 1	-	-	-	-
Akron	-	-	-	1 / 1	1 / 1	-	-	2 / 2	-	-	-	2 / 2	-
Canton	1 / 0	-	-	3 / 3	1 / 1	-	-	-	-	-	-	1 / 1	-
Southwestern Ohio	5 / 0	-	-	4 / 4	4 / 4	-	-	2 / 2	0 / 3	4 / 4	-	1 / 1	-
Cleveland	3 / 0	-	2 / 0	1 / 2	6 / 6	-	-	2 / 2	0 / 4	-	-	5 / 5	-
Dayton	1 / 0	-	-	2 / 2	2 / 2	-	-	2 / 2	-	1 / 1	-	1 / 1	-
Lake Co.	-	-	-	1 / 1	-	-	-	-	-	2 / 2	-	-	-
Portsmouth	-	-	-	6 / 6	-	-	-	-	-	3 / 3	-	-	-
North Ohio Valley	5 / 5	-	-	8 / 8	-	-	-	-	-	4 / 4	-	-	-
Toledo	-	-	-	1 / 1	1 / 1	-	-	-	-	-	-	2 / 2	-
Mahoning Trumbull	-	-	-	3 / 3	1 / 1	0 / 2	-	-	-	-	-	1 / 1	-
WI	-	-	32 / 33	3 / 4	6 / 6	-	-	2 / 2	-	5 / 3	-	3 / 3	0 / 1
Regional Total	62 / 41	-	51 / 46	123 / 131	55 / 58	26 / 32	36 / 36	20 / 20	22 / 31	60 / 55	-	45 / 45	20 / 23
Total (SLAMS + NAMS + SPM)	113 / 87	-	-	204 / 219	-	-	78 / 87	-	-	125 / 123	-	-	-

TABLE 6. Region V 1991 Summary of SLAMS, NAMS, and SPM by State and Pollutant
(Continued)

Region V

Dec 1991

State/local Agency	CO			O3			NO2			Subtotals			Totals
	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	
IL (Total)	9 / 9 ^c	2 / 2	0 / 2	29 / 29 ^c	11 / 11	1 / 1	8 / 8 ^c	2 / 2	1 / 1	123 / 119 ^c	43 / 44	13 / 16	179 / 178
State	6 / 6	1 / 1	0 / 2	19 / 19	11 / 11	1 / 1	4 / 3	1 / 1	1 / 1	92 / 90	31 / 32	11 / 13	135 / 135
Cook Co.	3 / 3	1 / 1	-	10 / 10	-	-	4 / 3	1 / 1	-	30 / 28	12 / 12	2 / 2	44 / 43
IN (Total)	6 / 7	2 / 2	-	8 / 9	7 / 7	6 / 8	2 / 2	-	2 / 2	86 / 87	22 / 22	21 / 25	129 / 134
State	4 / 4	1 / 1	-	4 / 4	6 / 6	4 / 6	2 / 2	-	1 / 1	31 / 31	12 / 12	14 / 18	67 / 61
Evansville	1 / 2	-	-	2 / 2	-	-	-	-	1 / 1	8 / 9	-	1 / 1	9 / 10
St Joseph Co.	-	-	-	-	1 / 1	-	-	-	-	4 / 4	1 / 1	-	5 / 5
Vigo Co.	-	-	-	1 / 1	-	-	-	-	-	9 / 9	0 / 3	4 / 2	13 / 14
Indianapolis	1 / 1	1 / 1	-	2 / 2	1 / 1	2 / 2	-	-	-	21 / 21	9 / 6	2 / 2	32 / 29
Anderson	-	-	-	-	-	-	-	-	-	4 / 4	-	-	4 / 4
Porter Co.	-	-	-	-	-	-	-	-	-	9 / 9	-	0 / 2	9 / 11
MI (Total)	7 / 7	2 / 2	-	7 / 0	10 / 10	-	-	2 / 2	-	60 / 35	24 / 24	-	74 / 59
State	3 / 3	-	-	6 / 0	8 / 8	-	-	-	-	24 / 14	9 / 9	-	33 / 23
Wayne Co.	4 / 4	2 / 2	-	2 / 0	2 / 2	-	-	2 / 2	-	28 / 21	15 / 15	-	41 / 36
MN	6 / 6	2 / 2	-	2 / 2	2 / 2	-	-	2 / 2	0 / 0	28 / 28	18 / 18	61 / 61	108 / 108
OH (Total)	6 / 6	10 / 10	0 / 3	21 / 20	16 / 16	-	1 / 1	4 / 4	-	87 / 85	75 / 75	8 / 20	180 / 190
Central Dist.	1 / 1	2 / 2	-	3 / 3	2 / 2	-	-	-	-	6 / 5	10 / 10	2 / 3	17 / 18
Northeast Dist.	-	-	-	1 / 1	1 / 1	-	-	-	-	3 / 3	3 / 3	0 / 3	6 / 9
Northwest Dist.	-	-	-	1 / 1	-	-	-	-	-	3 / 6	-	2 / 1	5 / 7
Southeast Dist.	-	-	-	1 / 1	-	-	-	-	-	7 / 6	-	1 / 0	8 / 6
Southwest Dist.	-	-	-	1 / 1	-	-	-	-	-	1 / 1	-	1 / 1	2 / 2
Akron	-	2 / 2	-	1 / 1	2 / 2	-	-	-	-	2 / 2	9 / 9	-	11 / 11
Canton	1 / 1	-	-	1 / 2	2 / 2	-	-	-	-	6 / 6	4 / 4	-	10 / 10
Southwestern Ohio	-	2 / 2	-	6 / 5	2 / 2	-	-	2 / 2	-	18 / 13	13 / 13	0 / 3	31 / 29
Cleveland	-	2 / 2	0 / 3	1 / 2	1 / 1	-	-	2 / 2	-	5 / 4	18 / 18	2 / 7	25 / 29
Dayton	-	2 / 2	-	2 / 2	2 / 2	-	-	-	-	6 / 5	9 / 9	-	16 / 14
Lake Co.	1 / 1	-	-	1 / 1	1 / 1	-	-	-	-	5 / 5	1 / 1	-	6 / 6
Portsmouth	-	-	-	1 / 2	-	-	-	-	-	10 / 11	-	-	10 / 11
North Ohio Valley	1 / 1	-	-	1 / 1	-	-	1 / 1	-	-	20 / 20	-	-	20 / 20
Toledo	1 / 1	-	-	1 / 1	2 / 2	-	-	-	-	3 / 3	5 / 5	-	8 / 8
Mahoning Trumbull	-	-	-	0 / 2	1 / 1	-	-	-	-	3 / 5	3 / 3	0 / 2	6 / 10
WI	6 / 6	2 / 2	1 / 3	25 / 23	4 / 4	3 / 5	-	2 / 2	-	38 / 35	19 / 19	36 / 42	93 / 96
Regional Total	37 / 38	20 / 20	1 / 8	83 / 89	60 / 60	10 / 14	11 / 9	12 / 12	9 / 9	422 / 399	202 / 203	138 / 163	763 / 765
Total (SLAMS + NAMS + SPM)	68 / 68			153 / 153				32 / 30		763 / 765			

a. Number of SLAMS monitors excluding NAMS.
b. Number of monitors operating/required.
c. Number of monitors operating in 1991/planned in 1992.

TABLE 7. Region VI 1991 Summary of SLAMS, NAMS, and SPM by State and Pollutant

Region VI

Dec 1991

State/Local Agency	TSP			PM-10			Pb			SO ₂			
	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a		NAMS ^b	SPM ^c
										Continuous	Bubbler		
AR	2 / 2 ^d	-	-	18 / 18 ^c	2 / 2	-	2 / 2 ^c	-	-	1 / 1 ^d	-	1 / 1	-
LA	20 / 14	-	5 / 3	5 / 5	5 / 5	-	3 / 3	2 / 2	1 / 3	5 / 5	-	1 / 1	-
NM (Total)	-	-	-	22 / 25	4 / 4	4 / 4	2 / 2	-	-	9 / 9	-	-	1 / 1
State	-	-	-	17 / 19	-	4 / 4	2 / 2	-	-	9 / 9	-	-	1 / 1
Albuquerque	-	-	-	5 / 6	4 / 4	-	-	-	-	-	-	-	-
OK (Total)	7 / 7	-	-	13 / 13	4 / 4	-	3 / 3	2 / 2	-	6 / 4	-	1 / 2	-
State	2 / 2	-	-	7 / 7	-	-	-	1 / 1	-	4 / 3	-	-	-
Tulsa	-	-	-	3 / 3	2 / 2	-	2 / 2	-	-	1 / 1	-	1 / 1	-
Oklahoma City Co.	5 / 5	-	-	3 / 3	2 / 2	-	1 / 1	1 / 1	-	1 / 0	-	0 / 1	-
TX (Total)	-	-	-	21 / 21	21 / 22	5 / 5	9 / 9	10 / 10	16 / 16	7 / 7	-	5 / 5	8 / 8
State	-	-	-	15 / 15	11 / 12	5 / 5	4 / 4	6 / 6	7 / 7	5 / 5	-	4 / 4	4 / 4
El Paso	-	-	-	2 / 2	2 / 2	-	2 / 2	1 / 1	-	-	-	1 / 1	-
Dallas	-	-	-	-	4 / 4	-	2 / 2	2 / 2	6 / 6	1 / 1	-	-	-
Fort Worth	-	-	-	1 / 1	1 / 1	-	-	-	-	-	-	-	-
Galveston Co.	-	-	-	2 / 2	-	-	-	-	-	-	-	-	-
Houston	-	-	-	1 / 1	3 / 3	-	1 / 1	1 / 1	3 / 3	1 / 1	-	-	4 / 4
Regional Total	29 / 23	-	5 / 3	79 / 82	36 / 37	9 / 9	19 / 19	14 / 14	17 / 19	28 / 27	-	9 / 9	9 / 9
Total (SLAMS + NAMS + SPM)	34 / 26	-	-	124 / 128	-	-	50 / 52	-	-	-	-	45 / 45	-

TABLE 7. Region VI 1991 Summary of SLAMS, NAMS, and SPM by State and Pollutant
(continued)

Region VI

Dec 1991

State/local Agency	CO			O3			NO2			Subtotals			Totals
	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	
AR	0 / 1	-	-	-	2 / 2	2 / 2	1 / 1 ^c	-	-	24 / 26 ^c	6 / 6	2 / 2	31 / 32
LA	1 / 1 ^c	2 / 2 ^c	-	14 / 15 ^c	6 / 6	1 / 1	3 / 3	2 / 2	-	61 / 47	16 / 18	7 / 7	76 / 72
NM (Total)	7 / 7	2 / 2	-	7 / 7	2 / 2	1 / 1	3 / 3	-	1 / 1	50 / 52	8 / 8	7 / 7	65 / 68
State	4 / 4	-	-	4 / 4	-	1 / 1	2 / 2	-	1 / 1	38 / 40	-	7 / 7	45 / 47
Albuquerque	3 / 3	2 / 2	-	3 / 3	2 / 2	-	1 / 1	-	-	12 / 13	8 / 8	-	20 / 21
OK (Total)	3 / 4	2 / 2	-	3 / 3	4 / 4	-	6 / 7	-	-	41 / 41	13 / 14	-	54 / 55
State	1 / 2	-	-	2 / 2	1 / 1	-	3 / 4	-	-	18 / 20	2 / 2	-	21 / 22
Tulsa	2 / 2	-	-	1 / 1	2 / 2	-	2 / 2	-	-	11 / 11	6 / 6	-	16 / 16
Oklahoma City Co.	-	2 / 2	-	-	1 / 1	-	1 / 1	-	-	11 / 10	6 / 7	-	17 / 17
TX (Total)	4 / 4	10 / 10	5 / 5	16 / 16	14 / 14	6 / 6	4 / 4	4 / 4	6 / 6	61 / 61	64 / 65	48 / 46	171 / 172
State	2 / 2	7 / 7	3 / 3	8 / 8	13 / 13	6 / 6	1 / 1	2 / 2	6 / 6	35 / 35	43 / 44	31 / 31	109 / 110
El Paso	1 / 1	-	1 / 1	-	-	-	-	-	-	5 / 5	4 / 4	1 / 1	10 / 10
Dallas	-	2 / 2	-	2 / 2	1 / 1	-	1 / 1	1 / 1	-	6 / 6	10 / 10	6 / 6	22 / 22
Fort Worth	-	-	-	-	-	-	-	-	-	1 / 1	1 / 1	-	2 / 2
Galveston Co.	-	-	-	-	-	-	-	-	-	2 / 2	-	-	2 / 2
Houston	1 / 1	1 / 1	1 / 1	6 / 6	-	-	2 / 2	1 / 1	-	12 / 12	6 / 6	8 / 8	26 / 26
Regional Total	15 / 17	16 / 16	6 / 5	40 / 41	28 / 28	10 / 10	17 / 18	6 / 6	7 / 7	227 / 227	108 / 110	62 / 62	397 / 399
Total (SLAMS + NAMS + SPM)	36 / 38			78 / 79			30 / 31			397 / 399			

- a. Number of SLAMS monitors excluding NAMS.
- b. Number of monitors operating/required.
- c. Number of monitors operating in 1991/planned in 1992.

TABLE 8. Region VII 1991 Summary of SLAMS, NAMS, and SPM by State and Pollutant

Region VII

Dec 1991

State/local Agency	TSP			PM-10			Pb			SO ₂			
	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a		NAMS ^b	SPM ^c
										continuous	bubbler		
IA (Total)	22 / 22 ^d	-	5 / 5	9 / 9 ^d	3 / 3	1 / 1	1 / 1 ^d	-	-	7 / 7 ^d	-	3 / 3	6 / 6
State	16 / 16	-	2 / 2	6 / 6	1 / 1	1 / 1	1 / 1	-	-	6 / 6	-	2 / 2	3 / 3
Linn Co.	3 / 3	-	3 / 3	1 / 1	1 / 1	-	-	-	-	1 / 1	-	1 / 1	3 / 3
Polk Co.	3 / 3	-	-	2 / 2	1 / 1	-	-	-	-	-	-	-	-
KS	-	-	17 / 17	3 / 3	3 / 3	5 / 5	1 / 1	1 / 1	-	-	-	2 / 2	2 / 2
MO (Total)	-	-	1 / 1	13 / 15	8 / 8	3 / 3	7 / 8	3 / 3	8 / 10	11 / 10	-	4 / 5	3 / 4
State	-	-	1 / 1	6 / 7	-	2 / 2	2 / 4	-	1 / 3	2 / 2	-	-	3 / 4
St. Louis Co.	-	-	-	3 / 3	1 / 1	-	-	2 / 2	-	4 / 4	-	1 / 1	-
St. Louis City	-	-	-	1 / 2	3 / 3	-	1 / 1	-	-	1 / 1	-	2 / 2	-
Kansas City	-	-	-	1 / 1	3 / 3	1 / 1	1 / 1	1 / 1	-	2 / 2	-	1 / 1	-
Springfield	-	-	-	2 / 2	1 / 1	-	-	-	-	2 / 1	-	0 / 1	-
AMAX	-	-	-	-	-	-	2 / 2	-	2 / 2	-	-	-	-
St. Joe Lead	-	-	-	-	-	-	1 / 1	-	5 / 5	-	-	-	-
NE (Total)	27 / 27	-	6 / 6	8 / 9	2 / 2	-	1 / 1	2 / 2	4 / 6	-	-	1 / 1	-
State	21 / 21	-	-	6 / 7	-	-	-	-	1 / 1	-	-	-	-
Lincoln	-	-	-	1 / 1	-	-	-	-	-	-	-	-	-
Omaha	6 / 6	-	6 / 6	1 / 1	2 / 2	-	1 / 1	2 / 2	3 / 4	-	-	1 / 1	-
Regional Total	49 / 49	-	29 / 29	33 / 36	16 / 16	9 / 9	10 / 12	6 / 6	12 / 15	18 / 17	-	10 / 11	11 / 12
Total (SLAMS+NAMS+SPM)	78 / 78			58 / 61			28 / 33					39 / 40	

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TABLE 8. Region VII 1990 Summary of SLAMS, NAMS, and SPM by State and Pollutant
(continued)

Region VII

Dec 1991

State/local Agency	CO			O3			NO2			Subtotals			Totals
	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	
IA (Total)	6 / 6 ^c	-	-	2 / 2 ^c	3 / 3	1 / 1	-	-	-	46 / 46 ^c	9 / 9	13 / 13	68 / 68
State	-	-	-	-	1 / 1	1 / 1	-	-	-	29 / 29	4 / 4	7 / 7	40 / 40
Linn Co.	2 / 2	-	-	2 / 2	-	-	-	-	-	9 / 9	2 / 2	6 / 6	17 / 17
Polk Co.	3 / 3	-	-	-	2 / 2	-	-	-	-	8 / 8	3 / 3	-	11 / 11
KS	3 / 3	-	2 / 2	1 / 1	2 / 2	1 / 1	-	-	1 / 1	8 / 8	8 / 8	28 / 28	44 / 44
MO (Total)	7 / 7	4 / 4	1 / 1	13 / 13	4 / 4	2 / 2	6 / 6 ^c	4 / 4	2 / 2	57 / 60	27 / 28	20 / 23	104 / 111
State	-	1 / 1	-	1 / 1	2 / 2	2 / 2	-	2 / 2	-	11 / 14	5 / 5	9 / 12	25 / 31
St. Louis Co.	4 / 4	-	1 / 1	6 / 6	-	-	4 / 4	-	1 / 1	20 / 20	4 / 4	2 / 2	26 / 26
St. Louis City	-	2 / 2	-	3 / 3	1 / 1	-	1 / 1	1 / 1	-	7 / 8	9 / 9	-	16 / 17
Kansas City	2 / 2	1 / 1	-	2 / 2	1 / 1	-	1 / 1	1 / 1	-	9 / 9	8 / 8	1 / 1	18 / 18
Springfield	1 / 1	-	-	2 / 2	-	-	-	-	1 / 1	7 / 6	1 / 2	1 / 1	9 / 9
AMAX	-	-	-	-	-	-	-	-	-	2 / 2	-	2 / 2	4 / 4
St. Joe Lead	-	-	-	-	-	-	-	-	-	1 / 1	-	5 / 5	6 / 6
NE (Total)	2 / 2	2 / 2	-	2 / 2	2 / 2	-	-	-	-	40 / 41	9 / 9	10 / 11	59 / 61
State	-	-	-	-	-	-	-	-	-	27 / 28	-	1 / 1	28 / 29
Lincoln	2 / 2	-	-	1 / 1	-	-	-	-	-	4 / 4	-	-	4 / 4
Omaha	-	2 / 2	-	1 / 1	2 / 2	-	-	-	-	9 / 9	9 / 9	9 / 10	27 / 28
Regional Total	17 / 17	6 / 6	3 / 3	18 / 18	11 / 11	4 / 4	6 / 6	4 / 4	3 / 3	161 / 165	53 / 54	71 / 75	275 / 284
Total (SLAMS + NAMS + SPM)	26 / 26			33 / 33			13 / 13			275 / 284			

- a. Number of SLAMS monitors excluding NAMS.
- b. Number of monitors operating/required.
- c. Number of monitors operating in 1991/planned in 1992.

TABLE 9. Region VIII 1991 Summary of SLAMS, NAMS, and SPM by State and Pollutant

Region VIII

Dec 1991

State/local Agency	TSP			PM-10			Pb			SO2			
	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a		NAMS ^b	SPM ^c
										continuous	bubbler		
CO	3 / 3 ^c	-	8 / 8	28 / 28 ^c	7 / 8	3 / 5	4 / 4 ^c	2 / 2	2 / 2	-	-	2 / 2	-
MT (Total)	7 / 5	-	2 / 2	17 / 17	-	5 / 3	5 / 4	-	-	2 / 2	-	-	13 / 13
State	5 / 5	-	-	11 / 13	-	2 / 0	5 / 4	-	-	2 / 2	-	-	-
Cascade Co.	-	-	-	1 / 0	-	-	-	-	-	-	-	-	-
Miscouls	-	-	2 / 2	2 / 2	-	-	-	-	-	-	-	-	-
Yellowstone Co.	2 / 0	-	-	1 / 0	-	1 / 0	-	-	-	-	-	-	-
Industrial & Indian	-	-	-	2 / 2	-	2 / 3	-	-	-	-	-	-	13 / 13
ND	-	-	-	4 / 4	1 / 1	1 / 1	-	-	-	5 / 5	-	-	2 / 2
SD	-	-	1 / 0	6 / 8	0 / 1	0 / 1	-	-	0 / 1	-	-	-	-
UT	-	-	-	3 / 5	7 / 8	5 / 6	1 / 1	2 / 2	-	3 / 3	-	2 / 2	-
WY	6 / 8	-	-	4 / 4	-	8 / 8	-	-	-	-	-	-	-
Regional Total	18 / 16	-	11 / 10	62 / 68	16 / 18	22 / 24	10 / 9	4 / 4	2 / 3	10 / 10	-	4 / 4	15 / 15
Total (SLAMS + NAMS + SPM)	29 / 26			99 / 110			16 / 16			29 / 29			

**TABLE 9. Region VIII 1991 Summary of SLAMS, NAMS, and SPM by State and Pollutant
(continued)**

Region VIII											Dec 1991					
State/Local Agency	CO			O3			NO2			Subtotals			Totals			
	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c				
CO	13 / 14 ^c	2 / 2	-	7 / 7 ^c	4 / 4	1 / 1	1 / 1 ^c	2 / 2	-	66 / 66 ^c	18 / 20	14 / 16	88 / 94			
MT (Total)	4 / 4	-	-	-	-	-	-	-	5 / 5	35 / 32	-	25 / 23	60 / 55			
State	0 / 1	-	-	-	-	-	-	-	-	23 / 25	-	2 / 0	25 / 25			
Cascade Co.	1 / 1	-	-	-	-	-	-	-	-	2 / 1	-	-	2 / 1			
Missoula	2 / 1	-	-	-	-	-	-	-	-	4 / 3	-	2 / 2	6 / 5			
Yellowstone Co.	1 / 1	-	-	-	-	-	-	-	-	4 / 1	-	1 / 0	5 / 1			
Industrial & Indian	-	-	-	-	-	-	-	-	5 / 5	2 / 2	-	20 / 21	22 / 23			
ND	-	-	1 / 1	3 / 3	-	-	2 / 2	-	1 / 1	14 / 14	1 / 1	5 / 5	20 / 20			
SD	-	-	-	-	-	-	-	-	-	6 / 9	0 / 1	1 / 2	7 / 12			
UT	5 / 6	2 / 2	4 / 4	3 / 3	2 / 6	-	4 / 4	-	-	18 / 22	15 / 20	9 / 10	43 / 52			
WY	-	-	-	-	-	-	-	-	-	12 / 12	-	8 / 8	20 / 20			
Regional Total	22 / 24	4 / 4	5 / 5	13 / 13	6 / 10	1 / 1	7 / 7	2 / 2	6 / 6	142 / 147	35 / 42	62 / 64	239 / 253			
(SLAMS + NAMS + SPM)													31 / 33	20 / 24	15 / 15	239 / 253

- a. Number of SLAMS monitors excluding NAMS.
- b. Number of monitors operating/required.
- c. Number of monitors operating in 1991/planned in 1992.

TABLE 10. Region IX 1991 Summary of SLAMS, NAMS, and SPM by State and Pollutant

Region IX

Dec 1991

State/ Local Agency	TSP			PM-10			Pb			SO ₂			
	a	b	c	a	b	c	a	b	c	a	b	c	
	SLAMS	NAMS	SPM	SLAMS	NAMS	SPM	SLAMS	NAMS	SPM	SLAMS continuous	SLAMS bubble	NAMS	SPM
AZ (Total)	-	-	6 / 6	19 / 19	8 / 8	1 / 1	2 / 2	2 / 2	0 / 1	5 / 3	-	1 / 1	-
State	-	-	1 / 0	12 / 12	-	-	-	-	-	3 / 1	-	-	-
Fine	-	-	5 / 6	7 / 7	2 / 2	1 / 1	2 / 2	-	0 / 1	1 / 1	-	-	-
Maricopa	-	-	-	-	6 / 6	-	-	2 / 2	-	1 / 1	-	1 / 1	-
CA (Total)	1 / 1	-	-	69 / 75	28 / 28	4 / 3	17 / 17	12 / 12	5 / 4	32 / 33	-	11 / 11	-
State (ARB)	-	-	-	10 / 9	3 / 3	-	-	-	-	2 / 3	-	2 / 2	-
Bay Area	-	-	-	4 / 4	9 / 9	-	10 / 10	4 / 4	-	6 / 8	-	2 / 2	-
Monterey Bay	-	-	-	3 / 3	-	-	-	-	-	-	-	-	-
Sacramento	-	-	-	0 / 4	2 / 2	-	-	2 / 2	-	1 / 1	-	1 / 1	-
San Diego	-	-	-	1 / 3	2 / 2	-	-	2 / 2	-	4 / 4	-	2 / 2	-
Santa Barbara	-	-	-	-	-	-	-	-	-	3 / 3	-	-	-
South Coast	-	-	-	7 / 9	10 / 10	-	6 / 6	4 / 4	5 / 4	7 / 7	-	4 / 4	-
Ventura	1 / 1	-	-	3 / 3	-	1 / 0	-	-	-	2 / 2	-	-	-
North Coast	-	-	-	1 / 1	-	-	-	-	-	-	-	-	-
Mendocino	-	-	-	2 / 2	-	-	-	-	-	-	-	-	-
Northern Sonoma	-	-	-	3 / 3	-	-	-	-	-	-	-	-	-
San Luis Obispo	-	-	-	1 / 1	-	1 / 1	-	-	-	3 / 3	-	-	-
Modoc	-	-	-	1 / 1	-	-	-	-	-	-	-	-	-
Siskiyou	-	-	-	1 / 1	-	-	-	-	-	-	-	-	-
Fleeter	-	-	-	3 / 3	-	-	-	-	-	-	-	-	-
Shasta	-	-	-	2 / 2	-	-	-	-	-	-	-	-	-
Yolo Solano	-	-	-	-	-	-	-	-	-	-	-	-	-
Tehama	-	-	-	1 / 1	-	-	-	-	-	-	-	-	-
Great Basin	-	-	-	10 / 10	-	-	-	-	-	-	-	-	-
Imperial	-	-	-	2 / 2	-	-	-	-	-	-	-	-	-

TABLE 10. Region IX 1991 Summary of SLAMS, NAMS, and SPM by State and Pollutant
(continued)

Region IX

State/ Local Agency	TSP			PM-10			Pb			SO2		
	a	b	c	a	b	c	a	b	c	a	b	c
	SLAMS	NAMS	SPM	SLAMS	NAMS	SPM	SLAMS	NAMS	SPM	SLAMS continuous	NAMS bubble	SPM
CA-continued												
San Bernardino	-	-	-	3 / 3 ^c	-	2 / 2	1 / 1	-	-	2 / 2 ^c	-	-
San Joaquin	-	-	-	8 / 7	2 / 2	-	-	-	-	-	-	-
Glenn Co.	-	-	-	1 / 1	-	-	-	-	-	-	-	-
Feather River	-	-	-	1 / 1	-	-	-	-	-	-	-	-
Lake Co.	-	-	-	1 / 1	-	-	-	-	-	-	-	-
GUAM	-	-	-	3 / 3	-	-	-	-	-	0 / 2	-	-
HI	2 / 2	-	-	4 / 4	2 / 2	-	-	2 / 2	-	3 / 3	-	0 / 1
NV (Total)	8 / 8	-	1 / 0	7 / 9	5 / 5	1 / 1	0 / 2	-	-	0 / 2	-	-
State	2 / 2	-	1 / 0	2 / 3	-	-	-	-	-	-	-	-
Washoe	-	-	-	3 / 3	2 / 2	1 / 1	-	-	-	-	-	-
Clark Co.	3 / 3	-	-	2 / 3	3 / 3	-	0 / 2	-	-	0 / 2	-	-
Regional Total	8 / 8	-	7 / 0	102 / 110	43 / 43	6 / 6	19 / 21	16 / 16	5 / 5	40 / 43	-	12 / 12
Total (SLAMS + NAMS + SPM)	15 / 13			151 / 158			40 / 42			52 / 56		

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TABLE 10. Region IX 1991 Summary of SLAMS, NAMS, and SPM by State and Pollutant
(continued)

State/ Local Agency	Region IX									Dec 1991			
	CO			O3			NO2			Subtotals			Totals
	a	b	c	a	b	c	a	b	c	a	b	c	
SLAMS	NAMS	SPM	SLAMS	NAMS	SPM	SLAMS	NAMS	SPM	SLAMS	NAMS	SPM		
AZ (Total)	8 / 8	4 / 4	5 / 6	10 / 10	4 / 4	2 / 3	3 / 3	2 / 2	-	47 / 46	21 / 21	14 / 16	62 / 63
State	-	-	0 / 2	1 / 1	-	0 / 1	-	-	-	16 / 14	-	1 / 3	17 / 17
Pima	1 / 2	2 / 2	5 / 4	2 / 2	2 / 2	2 / 2	3 / 3	-	-	16 / 17	6 / 6	12 / 13	35 / 36
Maricopa	7 / 7	2 / 2	-	7 / 7	2 / 2	-	-	2 / 2	-	15 / 16	15 / 16	-	30 / 30
CA (Total)	67 / 67	12 / 12	1 / 1	68 / 66	18 / 19	10 / 12	69 / 69	10 / 10	3 / 3	353 / 358	92 / 92	23 / 23	468 / 473
State (ARB)	14 / 14	1 / 1	-	14 / 12	3 / 3	4 / 4	16 / 16	-	-	66 / 64	9 / 9	4 / 4	69 / 67
Bay Area	13 / 13	4 / 4	-	18 / 18	4 / 4	1 / 1	10 / 10	4 / 4	-	63 / 63	27 / 27	1 / 1	91 / 91
Monterey Bay	1 / 1	-	-	3 / 3	-	1 / 1	1 / 1	-	-	8 / 8	-	1 / 1	9 / 9
Sacramento	2 / 2	1 / 1	1 / 1	3 / 3	1 / 1	-	3 / 3	-	-	9 / 13	7 / 7	1 / 1	17 / 21
San Diego	6 / 6	2 / 2	-	4 / 4	2 / 2	1 / 1	6 / 6	2 / 2	-	19 / 21	12 / 12	1 / 1	32 / 34
Santa Barbara	2 / 2	-	-	4 / 4	-	-	3 / 3	-	-	12 / 12	-	-	12 / 12
South Coast	20 / 20	4 / 4	-	28 / 28	5 / 5	2 / 2	18 / 18	4 / 4	1 / 1	86 / 89	31 / 31	9 / 7	126 / 126
Ventura	2 / 2	-	-	6 / 6	2 / 2	-	5 / 5	-	-	18 / 18	2 / 2	1 / 0	22 / 21
North Coast	-	-	-	-	-	-	-	-	-	1 / 1	-	-	1 / 1
Mendocino	-	-	-	-	-	-	-	-	-	2 / 2	-	-	2 / 2
Northern Sonoma	-	-	-	-	-	-	-	-	-	3 / 3	-	-	3 / 3
San Luis Obispo	-	-	-	4 / 4	-	-	2 / 2	-	1 / 1	10 / 10	-	2 / 2	12 / 12
Modoc	-	-	-	-	-	-	-	-	-	1 / 1	-	-	1 / 1
Siskiyou	-	-	-	1 / 1	-	-	-	-	-	2 / 2	-	-	2 / 2
Placer	-	-	-	1 / 1	-	-	-	-	-	4 / 4	-	-	4 / 4
Shasta	1 / 1	-	-	-	-	1 / 1	-	-	-	3 / 3	-	1 / 1	4 / 4
Yolo Solano	1 / 1	-	-	1 / 1	-	-	-	-	-	2 / 2	-	-	2 / 2
Tehama	-	-	-	-	-	-	-	-	-	1 / 1	-	-	1 / 1
Great Basin	1 / 1	-	-	-	-	-	-	-	-	11 / 11	-	-	11 / 11
Imperial	-	-	-	1 / 1	-	-	-	-	-	3 / 3	-	-	3 / 3

TABLE 10. Region IX 1991 Summary of SLAMS, NAMS, and SPM by State and Pollutant.
(continued)

Region IX

State/ Local Agency	CO			O3			NO2			Subtotals			Totals
	a	b	c	a	b	c	a	b	c	a	b	c	
	SLAMS	NAMS	SPM	SLAMS	NAMS	SPM	SLAMS	NAMS	SPM	SLAMS	NAMS	SPM	
CA-continued	c			c			c			c			
San Bernardino	1 / 1	-	-	4 / 4	-	-	3 / 3	-	1 / 1	14 / 14	-	3 / 3	17 / 17
San Joaquin	4 / 4	-	-	5 / 5	2 / 2	0 / 2	3 / 3	-	-	20 / 19	4 / 4	0 / 2	24 / 26
Glenn Co.	-	-	-	-	-	-	-	-	-	1 / 1	-	-	1 / 1
Feather River	-	-	-	-	-	-	-	-	-	1 / 1	-	-	1 / 1
Lake Co.	-	-	-	1 / 1	-	-	-	-	-	2 / 2	-	-	2 / 2
GUAM	-	-	-	-	-	-	-	-	-	3 / 5	-	-	3 / 5
HI	-	2 / 2	-	-	1 / 1	1 / 1	-	-	-	9 / 9	7 / 7	1 / 2	17 / 18
NV (Total)	6 / 7	2 / 2	4 / 4	4 / 5	4 / 4	1 / 1	4 / 4	-	3 / 3	28 / 24	11 / 11	10 / 9	47 / 54
State	1 / 2	-	-	1 / 2	-	-	2 / 2	-	-	8 / 11	-	1 / 0	9 / 11
Washoe	5 / 5	-	-	2 / 2	2 / 2	-	-	-	-	10 / 10	4 / 4	1 / 1	15 / 15
Clerk Co.	-	2 / 2	4 / 4	1 / 1	2 / 2	1 / 1	2 / 2	-	3 / 3	8 / 13	7 / 7	8 / 8	23 / 28
Regional Total	81 / 83	20 / 20	10 / 11	112 / 111	28 / 28	14 / 17	76 / 76	12 / 12	6 / 6	438 / 452	131 / 131	48 / 60	617 / 633
Total (SLAMS + NAMS + SPM)	111 / 114			154 / 156			94 / 94			617 / 633			

- a. Number of SLAMS monitors excluding NAMS.
- b. Number of monitors operating/required.
- c. Number of monitors operating in 1991/planned in 1992.

TABLE 11. Region X 1991 Summary of SLAMS, NAMS, and SPM by State and Pollutant

Region X

Dec 1991

State/Local Agency	TSP			PM-10			Pb			SO2			
	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a		NAMS ^b	SPM ^c
										continuous	bubbler		
AK (Total)	-	-	1 / 1	14 / 14 ^o	1 / 1	1 / 1	-	-	-	2 / 2 ^o	-	-	1 / 1
State	-	-	1 / 1	8 / 8	-	1 / 1	-	-	-	2 / 2	-	-	1 / 1
Anchorage	-	-	-	3 / 3	1 / 1	-	-	-	-	-	-	-	-
Fairbanks	-	-	-	3 / 3	-	-	-	-	-	-	-	-	-
National Prk Service	-	-	-	-	-	-	-	-	-	-	-	-	-
ID (Total)	2 / 2 ^o	-	-	22 / 22	2 / 2	-	1 / 1 ^o	-	-	2 / 2	-	-	-
State	2 / 2	-	-	22 / 22	2 / 2	-	1 / 1	-	-	2 / 2	-	-	-
USEPA AR&E	-	-	-	-	-	-	-	-	-	-	-	-	-
OR (Total)	-	-	6 / 6	12 / 12	4 / 4	27 / 27	3 / 3	2 / 2	1 / 1	-	-	1 / 1	-
State	-	-	4 / 4	9 / 9	3 / 3	23 / 23	2 / 2	2 / 2	1 / 1	-	-	1 / 1	-
Lane Co.	-	-	1 / 1	3 / 3	1 / 1	4 / 4	1 / 1	-	-	-	-	-	-
WA (Total)	6 / 6	-	1 / 1	16 / 14	12 / 13	6 / 6	1 / 1	1 / 2	-	8 / 8	-	3 / 3	1 / 1
State	6 / 6	-	1 / 1	7 / 6	12 / 13	2 / 2	1 / 1	1 / 2	-	8 / 8	-	3 / 3	-
Puget Sound	-	-	-	2 / 2	-	1 / 1	-	-	-	1 / 1	-	-	-
Olympic	-	-	-	2 / 2	-	2 / 2	-	-	-	-	-	-	-
Southwest	-	-	-	1 / 1	-	1 / 1	-	-	-	-	-	-	-
Northwest	-	-	-	1 / 1	-	-	-	-	-	-	-	-	-
Spokane Co.	-	-	-	1 / 1	-	-	-	-	-	-	-	-	-
Yakima	-	-	-	1 / 1	-	-	-	-	-	-	-	-	-
National Prk Service	-	-	-	-	-	-	-	-	-	-	-	-	1 / 1
Regional Total	8 / 8	-	7 / 7	63 / 62	19 / 20	34 / 34	5 / 5	3 / 4	1 / 1	13 / 13	-	4 / 4	2 / 2
Total (SLAMS + NAMS + SPM)	16 / 16			116 / 116			9 / 10			19 / 19			

TABLE 11. Region X 1991 Summary of SLAMS, NAMS, and SPM by State and Pollutant
(continued)

Region X

Dec 1991

State/local Agency	CO			O3			NO2			Subtotals			Totals
	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	
AK (Total)	7 / 7 ^c	-	2 / 2	-	-	1 / 1	1 / 1 ^c	-	1 / 1	24 / 24 ^c	1 / 1	7 / 7	32 / 32
State	-	-	1 / 1	-	-	-	1 / 1	-	1 / 1	11 / 11	-	5 / 5	16 / 16
Anchorage	4 / 4	-	1 / 1	-	-	-	-	-	-	7 / 7	1 / 1	1 / 1	8 / 8
Fairbanks	3 / 3	-	-	-	-	-	-	-	-	6 / 6	-	-	6 / 6
National Park Service	-	-	-	-	-	1 / 1	-	-	-	-	-	1 / 1	1 / 1
ID (Total)	1 / 1	-	-	-	0 / 1	2 / 1	-	-	-	28 / 28	2 / 3	2 / 1	32 / 32
Dept H&W	1 / 1	-	-	-	0 / 1	1 / 0	-	-	-	28 / 28	2 / 3	1 / 0	31 / 31
USEPA AR&E	-	-	-	-	-	1 / 1	-	-	-	-	-	1 / 1	1 / 1
OR (Total)	6 / 6	2 / 2	6 / 6	3 / 3	2 / 2	2 / 2	0 / 0	1 / 1	-	24 / 24	12 / 12	40 / 40	76 / 76
State	5 / 5	2 / 2	4 / 4	2 / 2	2 / 2	1 / 1	-	1 / 1	-	18 / 18	11 / 11	33 / 33	62 / 62
Lane Co.	1 / 1	-	1 / 1	1 / 1	-	1 / 1	-	-	-	6 / 6	1 / 1	7 / 7	14 / 14
WA (Total)	8 / 8	1 / 1	3 / 3	3 / 3	1 / 4	6 / 2	-	0 / 0	-	42 / 41	16 / 23	16 / 13	76 / 77
State	8 / 8	1 / 1	3 / 3	2 / 2	1 / 4	4 / 1	-	-	-	32 / 31	16 / 23	10 / 7	60 / 61
Puget Sound	-	-	-	-	-	-	-	-	-	3 / 3	-	1 / 1	4 / 4
Olympic	-	-	-	-	-	-	-	-	-	2 / 2	-	2 / 2	4 / 4
Southwest	-	-	-	1 / 1	-	-	-	-	-	2 / 2	-	1 / 1	3 / 3
Northwest	-	-	-	-	-	-	-	-	-	1 / 1	-	-	1 / 1
Spokane Co.	-	-	-	-	-	-	-	-	-	1 / 1	-	-	1 / 1
Yakima	-	-	-	-	-	-	-	-	-	1 / 1	-	-	1 / 1
National Park Service	-	-	-	-	-	1 / 1	-	-	-	-	-	2 / 2	2 / 2
Regional Total	22 / 22	3 / 3	10 / 10	6 / 6	3 / 7	10 / 8	1 / 1	1 / 1	1 / 1	118 / 117	33 / 39	65 / 61	216 / 217
Total (SLAMS + NAMS + SPM)	38 / 35			19 / 19			3 / 3			216 / 217			

- a. Number of SLAMS monitors excluding NAMS.
- b. Number of monitors operating/required.
- c. Number of monitors operating in 1991/planned in 1992.

TABLE 12. National Summary of SLAMS, NAMS, and SPM by State and Pollutant, 1983-1991

Dec 1991

Region	Year Ending Dec 31	TSP			PM-10			Pb			SO2		
		SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c
		continuous	bubbler										
I	1983	58 / 58 ^c	48 / 48	-	-	-	-	28 / 28 ^c	8 / 8	-	30 / 31 ^c	-	20 / 20
	1984	56 / (d)	48 / 48	-	-	-	-	31 / (d)	8 / 8	-	29 / (d)	-	20 / 20
	1985	84 / 83	48 / 48	-	-	-	-	30 / 30	8 / 8	-	30 / 28	-	18 / 20
	1986	56 / 52	45 / 45	-	-	-	-	38 / 38	8 / 8	-	28 / 28	-	18 / 18
	1987	55 / 58	45 / 0	-	27 / 17	0 / 18	-	38 / 36	8 / 8	-	24 / 24	-	20 / 20
	1988	62 / 46	-	39 / 43	44 / 67	16 / 18	30 / 34	19 / 18	8 / 8	5 / 7	25 / 28	-	20 / 20
	1989	43 / 37	1 / 1	21 / 23	64 / 73	23 / 23	24 / 26	18 / 17	8 / 8	4 / 8	28 / 30	-	20 / 20
	1990	38 / 24	-	20 / 20	76 / 63	23 / 23	20 / 20	13 / 13	8 / 8	11 / 8	28 / 27	-	20 / 20
	1991	21 / 20	-	18 / 19	65 / 65	23 / 23	19 / 19	14 / 14	8 / 8	7 / 7	28 / 27	-	20 / 20
II	1983	159 / 168	42 / 43	-	-	-	-	16 / 16	11 / 11	-	28 / 31	-	24 / 26
	1984	108 / (d)	41 / 41	-	-	-	-	17 / (d)	11 / 11	-	28 / (d)	-	25 / 25
	1985	108 / 109	41 / 41	-	-	-	-	18 / 18	10 / 11	-	28 / 30	-	25 / 25
	1986	105 / 84	41 / 41	-	-	-	-	18 / 17	11 / 11	-	30 / 28	-	21 / 21
	1987	92 / 99	40 / 3	-	33 / 33	0 / 23	-	17 / 14	10 / 11	-	24 / 27	-	21 / 21
	1988	80 / 103	3 / 3	1 / 1	20 / 67	20 / 23	6 / 6	17 / 15	11 / 11	1 / 0	27 / 28	-	19 / 20
	1989	64 / 46	-	-	46 / 71	23 / 23	1 / 1	12 / 13	12 / 12	-	28 / 27	-	19 / 20
	1990	48 / 48	-	3 / 3	48 / 76	23 / 23	-	17 / 17	10 / 10	1 / 1	27 / 28	-	17 / 17
	1991	40 / 42	-	7 / 7	67 / 68	22 / 23	4 / 4	12 / 13	10 / 8	-	27 / 27	-	17 / 17
III	1983	204 / (d)	88 / 88	-	-	-	-	30 / 30	10 / 10	-	40 / 40	-	43 / 43
	1984	208 / (d)	88 / 88	-	-	-	-	28 / (d)	10 / 10	-	39 / (d)	-	43 / 43
	1985	171 / 171	88 / 88	-	-	-	-	37 / 37	10 / 10	-	39 / 39	-	42 / 42
	1986	170 / 170	87 / 87	-	-	-	-	38 / 38	10 / 10	-	41 / 41	-	42 / 42
	1987	188 / 121	87 / 0	-	43 / 40	0 / 30	-	36 / 38	10 / 10	-	38 / 38	-	38 / 38
	1988	-	1 / 1	208 / 208	29 / 44	25 / 25	-	32 / 32	10 / 10	12 / 12	37 / 37	-	39 / 39
	1989	-	-	190 / 190	62 / 62	26 / 26	-	32 / 32	10 / 10	11 / 11	35 / 35	-	39 / 39
	1990	-	-	157 / 157	77 / 77	26 / 26	-	29 / 29	10 / 10	12 / 12	35 / 35	-	39 / 39
	1991	-	-	118 / 118	92 / 92	27 / 27	-	39 / 39	10 / 10	13 / 13	38 / 38	-	38 / 38
IV	1983	388 / 388	87 / 88	-	-	-	-	13 / 13	13 / 14	-	52 / 52	8 / 8 ^c	15 / 15
	1984	392 / (d)	86 / 88	-	-	-	-	13 / (d)	13 / 14	-	52 / (d)	3 / (d)	15 / 15
	1985	377 / 377	86 / 88	-	-	-	-	14 / 14	12 / 14	-	48 / 48	-	15 / 15
	1986	388 / 382	81 / 81	-	-	-	-	16 / 16	15 / 15	-	51 / 51	-	13 / 5
	1987	332 / 365	85 / 0	-	48 / 34	0 / 30	-	13 / 13	13 / 13	-	52 / 52	-	12 / 12
	1988	330 / 330	-	76 / 76	53 / 53	24 / 24	9 / 8	16 / 16	15 / 22	24 / 24	51 / 51	9 / 9	13 / 13
	1989	320 / 310	-	81 / 85	72 / 78	25 / 26	9 / 10	17 / 17	18 / 22	35 / 35	50 / 52	2 / 2	12 / 14
	1990	320 / 310	-	81 / 85	84 / 98	26 / 28	18 / 19	17 / 18	20 / 22	43 / 43	44 / 48	2 / 2	13 / 14
	1991	54 / 53	-	133 / 129	135 / 181	26 / 35	11 / 30	43 / 44	19 / 22	17 / 16	48 / 45	2 / 2	11 / 20

TABLE 12. National Summary of SLAMS, NAMS, and SPM by State and Pollutant, 1983-1991
(continued)

Dec 1991

Region	Year Ending Dec 31	TSP			PM-10			Pb			SO ₂				
		SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	continuous	SLAMS ^a bubbler	NAMS ^b	SPM ^c	
V	1983	462 / 514 ^o	144 / 144	-	-	-	-	44 / 44 ^o	21 / 22	-	88 / 88 ^o	-	78 / 78	-	
	1984	488 / (d)	144 / 144	-	-	-	-	42 / (d)	21 / 22	-	60 / (d)	-	78 / 78	-	
	1985	482 / 468	144 / 144	-	-	-	-	51 / 60	21 / 22	-	63 / 64	-	75 / 78	-	
	1986	448 / 378	135 / 125	-	-	-	-	46 / 45	22 / 22	-	66 / 65	-	73 / 88	-	
	1987	326 / 421	117 / 0	-	108 / 83	0 / 51	-	41 / 43	23 / 22	-	82 / 82	-	85 / 64	-	
	1988	61 / 51	-	120 / 62	102 / 135	68 / 60	8 / 8	38 / 34	18 / 18	34 / 18	58 / 58	-	48 / 48	12 / 10	
	1989	57 / 54	1 / 1	82 / 65	129 / 140	58 / 58	16 / 20	34 / 34	18 / 20	17 / 18	58 / 58	-	47 / 46	11 / 16	
	1990	53 / 11	-	65 / 100	140 / 134	59 / 59	20 / 18	34 / 34	20 / 20	20 / 23	59 / 65	-	44 / 46	16 / 16	
	1991	82 / 41	-	51 / 48	123 / 131	55 / 55	28 / 32	38 / 38	20 / 20	22 / 31	60 / 68	-	48 / 46	20 / 23	
VI	1983	144 / 148	68 / 68	-	-	-	-	28 / 27	14 / 16	-	30 / 31	1 / 1 ^o	8 / 8	-	
	1984	145 / (d)	68 / 68	-	-	-	-	25 / (d)	15 / 16	-	28 / (d)	0 / (d)	8 / 8	-	
	1985	135 / 132	68 / 68	-	-	-	-	25 / 25	18 / 16	-	28 / 27	-	8 / 8	-	
	1986	135 / 135	68 / 68	-	-	-	-	25 / 25	16 / 16	-	24 / 25	-	8 / 8	-	
	1987	121 / 122	62 / 0	-	40 / 29	0 / 34	-	25 / 25	16 / 16	-	28 / 24	-	8 / 8	-	
	1988	208 / 68	1 / 1	41 / 18	31 / 89	38 / 38	-	23 / 20	16 / 15	79 / 33	27 / 28	-	8 / 8	12 / 12	
	1989	35 / 28	-	16 / 14	74 / 78	38 / 36	1 / 1	17 / 17	14 / 14	10 / 10	28 / 28	-	8 / 8	10 / 8	
	1990	30 / 30	-	3 / 3	68 / 73	35 / 36	11 / 11	19 / 18	14 / 14	9 / 7	28 / 28	-	8 / 8	11 / 10	
	1991	29 / 23	-	5 / 3	79 / 82	38 / 37	9 / 9	19 / 19	14 / 14	17 / 18	28 / 27	-	8 / 8	9 / 8	
VII	1983	108 / 107	42 / 42	-	-	-	-	12 / 12	6 / 6	-	13 / 16	-	11 / 11	-	
	1984	105 / (d)	42 / 42	-	-	-	-	12 / (d)	6 / 6	-	13 / (d)	-	10 / 10	-	
	1985	101 / 101	42 / 42	-	-	-	-	12 / 12	6 / 6	-	12 / 12	-	10 / 10	-	
	1986	108 / 108	40 / 17	-	-	-	-	10 / 11	6 / 6	-	14 / 14	-	8 / 7	-	
	1987	88 / 82	32 / 0	-	34 / 34	0 / 15	-	11 / 11	6 / 6	-	17 / 19	-	8 / 10	-	
	1988	85 / 71	-	7 / 6	27 / 34	16 / 16	5 / 5	8 / 8	6 / 6	9 / 8	15 / 15	-	10 / 10	11 / 10	
	1989	82 / 59	-	30 / 28	31 / 33	16 / 16	7 / 6	9 / 9	6 / 6	10 / 10	15 / 15	-	10 / 10	12 / 12	
	1990	60 / 50	-	30 / 30	34 / 33	16 / 16	8 / 8	9 / 9	6 / 6	12 / 17	16 / 16	-	10 / 10	7 / 7	
	1991	49 / 49	-	29 / 29	33 / 36	16 / 16	8 / 8	10 / 12	6 / 6	12 / 15	18 / 17	-	10 / 11	11 / 12	
VIII	1983	112 / 112	26 / 26	-	-	-	-	13 / 13	4 / 4	-	8 / 8	-	5 / 5	-	
	1984	140 / (d)	26 / 26	-	-	-	-	15 / (d)	4 / 4	-	13 / (d)	-	5 / 5	-	
	1985	117 / 112	26 / 26	-	-	-	-	11 / 11	4 / 4	-	10 / 9	-	5 / 5	-	
	1986	112 / 95	26 / 26	-	-	-	-	14 / 14	4 / 4	-	9 / 11	-	4 / 5	-	
	1987	44 / 36	23 / 0	-	54 / 56	0 / 18	-	4 / 4	4 / 4	-	11 / 11	-	5 / 5	-	
	1988	41 / 32	-	6 / 4	63 / 67	16 / 16	5 / 5	7 / 7	4 / 4	-	11 / 11	-	4 / 4	4 / 4	
	1989	27 / 29	-	17 / 13	63 / 63	16 / 16	19 / 17	6 / 6	4 / 4	1 / 1	11 / 11	-	4 / 4	17 / 17	
	1990	25 / 23	-	8 / 8	57 / 71	16 / 16	16 / 16	10 / 10	4 / 4	2 / 2	10 / 10	-	4 / 4	17 / 17	
	1991	18 / 18	-	11 / 10	62 / 68	16 / 16	22 / 24	10 / 9	4 / 4	2 / 2	10 / 10	-	4 / 4	15 / 15	

TABLE 12. National Summary of SLAMS, NAMS, and SPM by State and Pollutant, 1983-1991
(continued)

Dec 1991

Region	Year Ending Dec 31	TSP			PM-10			Pb			SO2			
		a	b	c	a	b	c	a	b	c	a	b	c	
		SLAMS	NAMS	SPM	SLAMS	NAMS	SPM	SLAMS	NAMS	SPM	SLAMS continuous	SLAMS bubbler	NAMS	SPM
IX	1983	154 / 158 ^c	62 / 62	-	-	-	-	66 / 66 ^c	14 / 14	-	57 / 57 ^c	12 / 12 ^c	11 / 11	-
	1984	150 / (d)	62 / 62	-	-	-	-	73 / (d)	14 / 14	-	53 / (d)	7 / (d)	11 / 11	-
	1985	162 / 162	61 / 61	-	-	-	-	75 / 75	14 / 14	-	55 / 55	6 / 6	12 / 12	-
	1986	132 / 132	59 / 59	-	-	-	-	62 / 62	17 / 17	-	58 / 58	6 / 6	11 / 11	-
	1987	131 / 150	67 / 0	-	129 / 104	0 / 36	-	40 / 40	16 / 17	-	53 / 52	5 / 5	10 / 12	-
	1988	78 / 78	1 / 1	2 / 2	105 / 108	40 / 43	7 / 8	30 / 27	16 / 16	3 / 3	52 / 52	6 / 6	10 / 12	14 / 14
	1989	76 / 76	1 / 1	2 / 2	106 / 110	41 / 43	12 / 12	33 / 32	16 / 16	2 / 2	52 / 50	5 / 5	13 / 13	12 / 14
	1990	76 / 76	-	7 / 7	122 / 122	41 / 43	22 / 22	25 / 31	16 / 16	3 / 3	36 / 36	2 / 2	12 / 12	13 / 13
	1991	8 / 8	-	7 / 5	102 / 110	43 / 43	6 / 5	18 / 21	16 / 16	5 / 5	40 / 43	-	12 / 12	0 / 1
	X	1983	76 / 76	27 / 27	-	-	-	-	14 / 14	4 / 4	-	12 / 12	-	5 / 5
1984		76 / (d)	27 / 27	-	-	-	-	24 / (d)	4 / 4	-	10 / (d)	-	5 / 5	-
1985		78 / 78	27 / 27	-	-	-	-	25 / 25	4 / 4	-	10 / 10	-	5 / 5	-
1986		82 / 82	27 / 27	-	-	-	-	22 / 22	4 / 4	-	8 / 8	-	4 / 4	-
1987		107 / 45	25 / 0	-	69 / 55	0 / 18	-	18 / 16	4 / 4	-	15 / 15	-	3 / 3	-
1988		100 / 37	-	17 / 17	50 / 59	20 / 21	-	21 / 13	4 / 4	-	13 / 13	-	4 / 4	4 / 4
1989		41 / 28	-	3 / 3	55 / 55	20 / 20	-	8 / 8	4 / 4	3 / 3	11 / 11	-	4 / 4	5 / 2
1990		16 / 16	-	8 / 8	46 / 46	17 / 19	18 / 18	6 / 6	3 / 4	1 / 1	10 / 10	-	4 / 4	2 / 2
1991		8 / 8	-	7 / 7	63 / 62	19 / 20	34 / 34	5 / 5	3 / 4	1 / 1	13 / 13	-	4 / 4	2 / 2
Total		1983	1860 / 1726	642 / 644	-	-	-	-	262 / 264	103 / 107	-	326 / 342	18 / 18	220 / 222
	1984	1853 / (d)	640 / 640	-	-	-	-	280 / (d)	106 / 109	-	336 / (d)	10 / (d)	220 / 220	-
	1985	1755 / 1757	639 / 639	-	-	-	-	288 / 307	105 / 109	-	322 / 321	6 / 6	216 / 220	-
	1986	1733 / 1628	617 / 584	-	-	-	-	289 / 298	113 / 113	-	317 / 316	6 / 6	201 / 185	-
	1987	1455 / 1539	573 / 3	-	583 / 495	0 / 271	-	243 / 238	110 / 111	-	310 / 312	5 / 5	179 / 182	-
	1988	1046 / 317	6 / 6	514 / 434	524 / 723	271 / 282	69 / 75	210 / 191	109 / 115	167 / 103	317 / 321	14 / 14	175 / 178	110 / 107
	1989	724 / 666	3 / 3	402 / 394	692 / 763	284 / 287	88 / 92	167 / 165	110 / 116	83 / 89	314 / 318	7 / 7	176 / 177	116 / 121
	1990	655 / 597	-	362 / 392	762 / 793	282 / 289	133 / 135	179 / 185	111 / 114	115 / 118	293 / 284	4 / 4	171 / 173	115 / 114
	1991	269 / 260	-	387 / 372	821 / 895	282 / 298	140 / 166	207 / 212	110 / 112	88 / 110	308 / 300	2 / 2	169 / 180	100 / 106
	Grand Total	1983	-	2502 / 2370	-	-	-	-	365 / 371	-	-	-	568 / 583	-
1984	-	2493 / (d)	-	-	-	-	-	386 / (d)	-	-	-	666 / (d)	-	
SLAMS	1985	-	2424 / 2386	-	-	-	-	403 / 416	-	-	-	644 / 647	-	
NAMS +	1986	-	2350 / 2210	-	-	-	-	402 / 401	-	-	-	624 / 609	-	
SPM)	1987	-	2028 / 1642	-	583 / 756	-	-	353 / 349	-	-	-	494 / 499	-	
1988	-	1568 / 1257	-	864 / 1080	-	-	-	486 / 408	-	-	-	618 / 620	-	
1989	-	1128 / 1063	-	1064 / 1142	-	-	-	390 / 400	-	-	-	613 / 623	-	
1990	-	1017 / 878	-	1177 / 1217	-	-	-	405 / 417	-	-	-	583 / 585	-	
1991	-	876 / 832	-	1243 / 1359	-	-	-	413 / 434	-	-	-	579 / 588	-	

a. Number of SLAMS monitors excluding NAMS.

b. Number of monitors operating/required.

c. Number of monitors operating in current year/planned during next year.

d. Not available.

TABLE 12. National Summary of SLAMS, NAMS, and SPM by State and Pollutant, 1983-1991
(continued)

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Region	Year Ending Dec 31	CO			O3			NO2				Subtotal			Totals
		SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a continuous	SLAMS ^a bubbler	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	
I	1983	13 / 13 ^e	6 / 6	-	16 / 16 ^e	16 / 16	-	10 / 10 ^e	-	1 / 2	-	166 / 166 ^e	97 / 96	-	263 / 266
	1984	13 / 14	6 / 6	-	16 / (d)	16 / 16	-	9 / (d)	-	2 / 2	-	163 / 161	100 / 100	-	263 / 261
	1985	13 / 12	6 / 6	-	16 / 13	16 / 16	-	8 / 7	-	2 / 2	-	161 / 141	99 / 100	-	260 / 241
	1986	12 / 12	6 / 6	-	14 / 14	16 / 16	-	8 / 8	-	2 / 2	-	163 / 160	96 / 87	-	248 / 247
	1987	11 / 11	6 / 6	-	14 / 14	16 / 16	-	8 / 8	-	2 / 2	-	177 / 206	86 / 72	-	276 / 261
	1988	11 / 11	6 / 6	-	15 / 15	16 / 16	11 / 9	9 / 9	-	2 / 2	1 / 2	166 / 166	70 / 72	106 / 114	360 / 361
	1989	10 / 10	6 / 6	0 / 1	15 / 17	16 / 16	10 / 10	9 / 8	-	2 / 2	2 / 4	166 / 163	78 / 76	66 / 62	326 / 323
	1990	11 / 11	6 / 6	-	17 / 23	16 / 16	12 / 13	9 / 10	-	2 / 2	4 / 3	161 / 171	77 / 77	76 / 74	344 / 322
	1991	11 / 11	6 / 6	-	23 / 23	16 / 16	8 / 8	10 / 10	-	2 / 2	4 / 4	172 / 170	77 / 77	66 / 66	314 / 312
II	1983	16 / 16	11 / 11	-	18 / 18	17 / 18	-	6 / 7	-	6 / 6	-	240 / 267	111 / 116	-	361 / 372
	1984	17 / 16	11 / 11	-	15 / (d)	18 / 18	-	6 / (d)	-	6 / 6	-	190 / 206	112 / 112	-	302 / 317
	1985	16 / 16	11 / 11	-	17 / 17	17 / 18	-	7 / 7	-	6 / 6	-	166 / 200	110 / 112	-	306 / 312
	1986	16 / 16	11 / 11	-	16 / 17	18 / 18	-	7 / 7	-	6 / 6	-	164 / 183	108 / 108	-	302 / 292
	1987	17 / 16	10 / 11	-	16 / 16	18 / 18	-	7 / 7	-	6 / 6	-	166 / 215	106 / 86	-	301 / 310
	1988	17 / 21	11 / 11	2 / 2	16 / 16	18 / 18	3 / 3	7 / 7	-	6 / 6	2 / 2	164 / 266	87 / 84	17 / 16	266 / 306
	1989	17 / 21	11 / 11	2 / 2	17 / 18	18 / 18	2 / 2	7 / 7	-	6 / 6	1 / 1	166 / 203	88 / 82	6 / 6	263 / 301
	1990	16 / 21	10 / 11	-	16 / 18	18 / 18	3 / 4	7 / 8	-	6 / 6	1 / 1	164 / 216	84 / 87	8 / 8	276 / 312
	1991	21 / 24	11 / 11	-	18 / 18	18 / 18	6 / 7	8 / 8	-	6 / 6	1 / 1	163 / 201	84 / 86	23 / 22	300 / 308
III	1983	44 / 44	10 / 10	-	66 / 66	21 / 21	-	41 / 41	8 / 8 ^e	6 / 6	-	422 / 318	180 / 180	-	602 / 398
	1984	42 / 16	10 / 10	-	66 / (d)	21 / 21	-	40 / (d)	-	6 / 6	-	410 / 226	180 / 180	-	600 / 416
	1985	43 / 43	10 / 10	-	66 / 66	21 / 21	-	39 / 39	-	6 / 6	-	376 / 376	176 / 176	-	567 / 567
	1986	43 / 43	10 / 10	-	67 / 67	21 / 21	-	39 / 39	-	6 / 6	-	376 / 376	176 / 176	-	566 / 566
	1987	43 / 43	10 / 10	-	67 / 67	21 / 21	-	32 / 32	-	6 / 6	-	416 / 366	176 / 118	-	581 / 483
	1988	39 / 39	10 / 10	3 / 3	68 / 69	21 / 21	6 / 6	30 / 30	-	6 / 6	6 / 6	226 / 241	114 / 114	246 / 246	584 / 600
	1989	39 / 39	10 / 10	3 / 3	68 / 68	21 / 21	6 / 6	32 / 32	-	6 / 6	7 / 7	266 / 266	114 / 114	236 / 236	611 / 611
	1990	40 / 40	10 / 10	2 / 2	69 / 69	21 / 21	6 / 6	32 / 32	-	6 / 6	6 / 6	272 / 272	114 / 114	201 / 201	587 / 587
	1991	40 / 40	10 / 10	2 / 2	69 / 69	21 / 21	6 / 6	33 / 33	-	6 / 6	7 / 7	299 / 299	114 / 114	194 / 194	677 / 577
IV	1983	62 / 64	22 / 22	-	42 / 42	34 / 34	-	16 / 20	3 / 3	4 / 4	-	672 / 676	186 / 187	-	767 / 762
	1984	47 / 16	21 / 22	-	37 / (d)	33 / 34	-	16 / (d)	3 / (d)	3 / 4	-	663 / 666	181 / 186	-	744 / 760
	1985	48 / 48	18 / 22	-	41 / 41	34 / 34	-	13 / 13	-	4 / 4	-	628 / 642	180 / 186	-	718 / 727
	1986	49 / 49	22 / 22	-	40 / 44	34 / 34	-	12 / 12	-	4 / 4	-	666 / 664	179 / 171	-	736 / 726
	1987	44 / 44	21 / 21	-	44 / 44	37 / 40	-	14 / 14	-	4 / 4	-	647 / 666	172 / 120	-	719 / 686
	1988	42 / 42	22 / 24	-	46 / 46	43 / 60	26 / 26	14 / 14	-	4 / 4	6 / 6	663 / 663	121 / 137	168 / 168	842 / 868
	1989	40 / 42	24 / 24	3 / 2	48 / 60	46 / 62	26 / 27	14 / 16	-	4 / 6	7 / 6	664 / 666	132 / 144	169 / 163	866 / 866
	1990	43 / 46	24 / 24	3 / 2	51 / 66	51 / 62	26 / 27	14 / 16	-	4 / 6	10 / 9	666 / 666	136 / 146	182 / 176	906 / 917
	1991	46 / 46	24 / 27	6 / 6	66 / 66	46 / 61	22 / 34	24 / 29	-	4 / 6	14 / 13	417 / 467	132 / 173	216 / 243	766 / 863

TABLE 12. National Summary of SLAMS, NAMS, and SPM by State and Pollutant, 1983-1991

(continued)

Dec 1991

Region	Year Ending Dec 31	CO			O3			NO2				Subtotal			Totals
		SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a		NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	
								continuous	bubbler						
V	1983	44 / 47	20 / 20	-	78 / 78	47 / 47	-	18 / 25	13 / 13	12 / 12	-	711 / 782	322 / 323	-	1033 / 1108
	1984	47 / (d)	20 / 20	-	77 / (d)	47 / 47	-	18 / (d)	-	12 / 12	-	730 / 740	322 / 323	-	1052 / 1083
	1985	47 / 48	20 / 20	-	84 / 82	47 / 47	-	16 / 18	-	11 / 12	-	752 / 739	318 / 323	-	1070 / 1082
	1986	44 / 43	20 / 20	-	74 / 73	48 / 48	-	14 / 11	-	12 / 12	-	682 / 608	310 / 293	-	892 / 898
	1987	47 / 48	20 / 20	-	74 / 74	50 / 50	-	10 / 9	-	12 / 12	-	658 / 727	277 / 209	-	935 / 936
	1988	47 / 48	20 / 20	4 / 8	80 / 82	52 / 52	9 / 11	14 / 14	-	12 / 12	3 / 3	399 / 422	210 / 211	190 / 118	799 / 748
	1989	47 / 47	20 / 20	4 / 7	84 / 80	48 / 48	10 / 14	16 / 13	-	12 / 12	2 / 8	426 / 433	206 / 206	121 / 146	781 / 783
	1990	48 / 43	20 / 20	8 / 8	88 / 93	48 / 50	14 / 18	13 / 16	-	11 / 12	8 / 8	431 / 386	202 / 206	148 / 190	781 / 791
	1991	37 / 38	20 / 20	1 / 8	83 / 88	50 / 50	10 / 14	11 / 9	-	12 / 12	9 / 8	422 / 399	202 / 203	139 / 163	763 / 766
VI	1983	18 / 17	14 / 14	-	32 / 34	28 / 28	-	16 / 16	15 / 15	8 / 8	-	279 / 290	138 / 138	-	418 / 428
	1984	18 / (d)	14 / 14	-	33 / (d)	28 / 28	-	16 / (d)	13 / (d)	8 / 8	-	276 / 274	137 / 138	-	413 / 412
	1985	17 / 17	14 / 14	-	30 / 33	28 / 28	-	15 / 16	13 / 13	8 / 8	-	261 / 268	138 / 138	-	399 / 407
	1986	18 / 17	14 / 14	-	29 / 34	28 / 28	-	15 / 16	-	8 / 8	-	246 / 251	138 / 136	-	382 / 387
	1987	20 / 19	18 / 18	-	34 / 31	28 / 28	-	16 / 14	-	7 / 7	-	292 / 264	135 / 107	-	417 / 371
	1988	18 / 18	14 / 18	8 / 4	33 / 39	28 / 28	10 / 9	16 / 16	-	8 / 8	6 / 8	355 / 278	110 / 111	182 / 81	617 / 470
	1989	18 / 18	18 / 18	8 / 8	38 / 38	28 / 28	7 / 9	17 / 17	-	8 / 8	8 / 8	224 / 221	108 / 108	86 / 84	398 / 383
	1990	18 / 17	18 / 18	8 / 8	38 / 44	28 / 28	9 / 12	17 / 27	-	8 / 8	7 / 8	217 / 237	107 / 108	86 / 84	379 / 399
	1991	18 / 17	18 / 18	8 / 8	40 / 41	28 / 28	10 / 10	17 / 18	-	8 / 8	7 / 7	227 / 227	108 / 110	82 / 82	397 / 399
VII	1983	18 / 18	4 / 4	-	18 / 18	11 / 11	-	8 / 7	0 / 1	4 / 4	-	172 / 179	78 / 78	-	251 / 267
	1984	18 / (d)	4 / 4	-	20 / (d)	11 / 11	-	7 / (d)	-	4 / 4	-	178 / 181	77 / 77	-	252 / 268
	1985	17 / 19	4 / 4	-	18 / 18	11 / 11	-	8 / 8	1 / 1	4 / 4	-	170 / 172	77 / 77	-	247 / 248
	1986	17 / 17	8 / 8	-	18 / 18	11 / 11	-	7 / 8	-	4 / 4	-	173 / 178	78 / 81	-	248 / 226
	1987	18 / 18	8 / 8	-	20 / 20	11 / 11	-	8 / 8	-	4 / 4	-	186 / 183	87 / 82	-	263 / 245
	1988	17 / 16	8 / 8	2 / 2	18 / 18	11 / 11	8 / 6	7 / 7	-	4 / 4	1 / 1	178 / 170	83 / 83	41 / 39	272 / 261
	1989	17 / 17	8 / 8	2 / 2	18 / 18	11 / 11	4 / 4	7 / 8	-	4 / 4	2 / 2	180 / 187	83 / 83	88 / 88	280 / 276
	1990	17 / 17	8 / 8	1 / 1	18 / 18	11 / 11	2 / 2	8 / 8	-	4 / 4	2 / 2	181 / 180	83 / 83	83 / 88	267 / 271
	1991	17 / 17	8 / 8	2 / 2	18 / 18	11 / 11	4 / 4	8 / 8	-	4 / 4	2 / 2	181 / 185	83 / 84	71 / 75	276 / 284
VIII	1983	20 / 20	4 / 4	-	13 / 13	8 / 8	-	7 / 7	-	2 / 2	-	174 / 174	47 / 47	-	221 / 221
	1984	20 / (d)	4 / 4	-	12 / (d)	8 / 8	-	6 / (d)	-	2 / 2	-	206 / 188	47 / 47	-	253 / 235
	1985	21 / 20	4 / 4	-	13 / 13	8 / 8	-	8 / 7	-	2 / 2	-	178 / 172	47 / 47	-	225 / 218
	1986	18 / 18	4 / 4	-	12 / 13	8 / 8	-	8 / 7	-	2 / 2	-	172 / 159	48 / 47	-	218 / 208
	1987	18 / 20	4 / 4	-	12 / 12	8 / 8	-	8 / 8	-	2 / 2	-	149 / 145	44 / 39	-	193 / 184
	1988	20 / 20	4 / 4	-	13 / 13	8 / 8	1 / 1	8 / 8	-	2 / 2	-	183 / 188	35 / 38	18 / 14	214 / 210
	1989	20 / 20	4 / 4	0 / 1	13 / 13	8 / 8	1 / 0	8 / 8	-	2 / 2	6 / 6	158 / 148	38 / 38	80 / 84	234 / 241
	1990	20 / 24	4 / 4	2 / 2	13 / 13	8 / 8	-	8 / 8	-	2 / 2	8 / 8	141 / 157	38 / 38	84 / 88	231 / 251
	1991	22 / 24	4 / 4	6 / 6	13 / 13	8 / 10	1 / 1	7 / 7	-	2 / 2	8 / 8	142 / 147	35 / 42	82 / 84	239 / 253

TABLE 12. National Summary of SLAMS, NAMS, and SPM by State and Pollutant, 1983-1991

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Region	Year Ending Dec 31	CO			O3			NO2			Subtotal			Totals	
		SLAMS	NAMS	SPM	SLAMS	NAMS	SPM	SLAMS		NAMS	SPM	SLAMS	NAMS		SPM
								a	b						
IX	1983	76 / 76	19 / 20	-	116 / 116	26 / 26	-	66 / 66	-	12 / 12	-	648 / 653	146 / 147	-	806 / 700
	1984	73 / (d)	20 / 20	-	111 / (d)	26 / 26	-	61 / (d)	-	12 / 12	-	628 / 630	147 / 147	-	876 / 877
	1985	79 / 79	20 / 20	-	119 / 119	26 / 26	-	66 / 66	-	12 / 12	-	656 / 656	147 / 147	-	702 / 702
	1986	80 / 80	20 / 20	-	112 / 112	26 / 26	-	66 / 66	-	13 / 13	-	619 / 619	148 / 148	-	868 / 868
	1987	79 / 80	20 / 20	-	112 / 112	26 / 26	-	66 / 66	-	12 / 13	-	614 / 609	140 / 126	-	754 / 736
	1988	81 / 83	18 / 20	13 / 13	116 / 117	26 / 26	20 / 20	67 / 66	-	12 / 12	10 / 10	634 / 636	122 / 132	66 / 70	726 / 736
	1989	86 / 87	20 / 20	10 / 16	123 / 126	26 / 26	26 / 27	68 / 68	-	12 / 12	9 / 9	648 / 653	131 / 133	73 / 82	782 / 768
	1990	86 / 86	20 / 20	14 / 14	116 / 116	27 / 26	60 / 48	76 / 76	-	12 / 12	26 / 26	636 / 641	126 / 131	126 / 134	798 / 806
	1991	81 / 83	20 / 20	10 / 11	112 / 111	26 / 26	14 / 17	76 / 76	-	12 / 12	6 / 6	438 / 462	131 / 131	46 / 60	617 / 633
	X	1983	26 / 26	4 / 4	-	7 / 7	7 / 7	-	1 / 1	-	2 / 2	-	136 / 136	46 / 46	-
1984		26 / (d)	4 / 4	-	7 / (d)	7 / 7	-	1 / (d)	-	2 / 2	-	143 / 143	46 / 46	-	192 / 192
1985		27 / 27	4 / 4	-	8 / 8	7 / 7	-	1 / 1	-	2 / 2	-	149 / 149	46 / 46	-	196 / 196
1986		26 / 26	4 / 4	-	8 / 8	7 / 7	-	1 / 1	-	2 / 2	-	147 / 147	46 / 46	-	193 / 186
1987		34 / 36	3 / 4	-	10 / 10	6 / 7	-	1 / 1	-	1 / 2	-	264 / 178	41 / 38	-	296 / 214
1988		32 / 33	2 / 4	7 / 7	7 / 10	6 / 7	4 / 4	1 / 1	-	0 / 4	-	224 / 166	36 / 44	32 / 32	291 / 242
1989		30 / 33	3 / 4	7 / 4	6 / 6	6 / 7	6 / 6	1 / 1	-	1 / 4	1 / 1	161 / 141	37 / 43	27 / 21	216 / 206
1990		21 / 21	3 / 4	10 / 10	6 / 6	3 / 7	12 / 12	1 / 1	-	1 / 4	-	106 / 106	31 / 42	51 / 51	168 / 166
1991		22 / 22	3 / 3	10 / 10	6 / 6	3 / 7	10 / 6	1 / 1	-	1 / 1	1 / 1	118 / 117	33 / 33	66 / 61	216 / 217
Total		1983	326 / 326	114 / 116	-	392 / 396	216 / 216	-	186 / 200	39 / 40	67 / 68	-	3412 / 3322	1261 / 1362	-
	1984	319 / (d)	114 / 116	-	363 / (d)	216 / 216	-	177 / (d)	16 / (d)	67 / 68	-	3374 / 3213	1362 / 1366	-	4726 / 4671
	1985	326 / 332	113 / 116	-	402 / 400	216 / 216	-	176 / 180	14 / 14	67 / 68	-	3330 / 3317	1344 / 1367	-	4674 / 4674
	1986	326 / 326	117 / 116	-	381 / 381	216 / 216	-	166 / 167	-	66 / 66	-	3220 / 3121	1326 / 1276	-	4646 / 4400
	1987	330 / 326	116 / 120	-	393 / 390	217 / 226	-	166 / 166	-	66 / 62	-	3487 / 3471	1266 / 974	-	4742 / 4446
	1988	322 / 326	116 / 123	36 / 36	404 / 417	226 / 240	66 / 63	173 / 172	-	66 / 62	34 / 36	3010 / 2984	967 / 1006	1026 / 683	4892 / 4673
	1989	321 / 331	122 / 123	36 / 48	420 / 426	231 / 236	66 / 106	179 / 179	-	66 / 64	42 / 46	2844 / 2877	962 / 1006	676 / 602	4704 / 4767
	1990	317 / 324	121 / 123	46 / 46	423 / 446	226 / 236	133 / 142	180 / 186	-	66 / 64	70 / 67	2613 / 2630	970 / 1002	673 / 1013	4766 / 4846
	1991	311 / 321	122 / 126	42 / 62	446 / 447	226 / 260	62 / 106	193 / 197	-	67 / 63	66 / 67	2679 / 2634	966 / 1026	616 / 666	4463 / 4631
	Grand Total	1983		436 / 460			607 / 612			262 / 268				4763 / 4684	
1984			433 / (d)			606 / (d)			260 / (d)				4726 / 4671		
1985		SLAMS	440 / 447			617 / 616			246 / 252				4674 / 4674		
1986		NAMS + SPM)	443 / 444			609 / 610			227 / 226				4646 / 4400		
1987			446 / 456			610 / 616			226 / 226				4742 / 4446		
1988			473 / 466			726 / 760			262 / 266				4892 / 4673		
1989			461 / 466			760 / 772			277 / 266				4704 / 4767		
1990			463 / 462			766 / 826			306 / 326				4766 / 4846		
1991			476 / 466			769 / 803			306 / 317				4463 / 4631		

a. Number of SLAMS monitors excluding NAMS.
 b. Number of monitors operating/required.
 c. Number of monitors operating in current year/planned during next year.
 d. Not available.

TABLE 13. Region I Summary of SLAMS, NAMS, and SPM by State and Pollutant, 1983-1991

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State	Year Ending Dec 31	TSP			PM-10			Pb			SO2				
		SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	continuous	SLAMS ^a bubbler	NAMS ^b	SPM ^c	
CT	1983	18 / 18 ^c	22 / 22	-	-	-	-	16 / 16 ^c	-	-	-	17 / 18 ^c	-	2 / 2	-
	1984	18 / (d)	22 / 22	-	-	-	-	18 / (d)	2 / 2	-	-	17 / (d)	-	2 / 2	-
	1985	18 / 18	22 / 22	-	-	-	-	18 / 18	2 / 2	-	-	16 / 17	-	2 / 2	-
	1986	18 / 18	22 / 22	-	-	-	-	25 / 25	2 / 2	-	-	16 / 16	-	2 / 2	-
	1987	18 / 39	22 / 0	-	5 / 2	0 / 5	-	25 / 25	2 / 2	-	-	14 / 14	-	4 / 4	-
	1988	3 / 3	-	-	30 / 32	6 / 7	7 / 7	4 / 3	2 / 2	-	-	14 / 13	-	4 / 4	-
	1989	2 / 0	-	1 / 1	31 / 31	12 / 12	6 / 6	4 / 3	2 / 2	-	-	13 / 12	-	4 / 4	-
	1990	1 / 1	-	-	31 / 17	12 / 12	2 / 2	3 / 3	2 / 2	2 / 2	-	9 / 9	-	4 / 4	-
	1991	1 / 1	-	5 / 5	19 / 19	12 / 12	1 / 1	4 / 4	2 / 2	-	-	9 / 9	-	4 / 4	-
ME	1983	9 / 9	1 / 1	-	-	-	-	2 / 2	-	-	-	-	2 / 2	-	
	1984	8 / (d)	1 / 1	-	-	-	-	2 / (d)	-	-	-	-	2 / 2	-	
	1985	10 / 10	1 / 1	-	-	-	-	2 / 2	-	-	-	-	2 / 2	-	
	1986	10 / 10	1 / 1	-	-	-	-	2 / 2	-	-	-	-	2 / 2	-	
	1987	10 / 11	1 / 0	-	4 / 7	0 / 1	-	2 / 2	-	-	0 / 1	-	2 / 2	-	
	1988	11 / 4	-	34 / 38	7 / 15	1 / 1	16 / 21	1 / 2	-	3 / 5	1 / 5	-	2 / 2	14 / 13	
	1989	5 / 5	-	19 / 19	12 / 14	1 / 1	16 / 17	2 / 2	-	4 / 7	4 / 5	-	2 / 2	7 / 9	
	1990	5 / 5	-	19 / 19	14 / 16	1 / 1	17 / 17	2 / 2	-	7 / 7	6 / 6	-	2 / 2	8 / 8	
	1991	2 / 2	-	13 / 13	17 / 17	1 / 1	17 / 17	2 / 2	-	7 / 7	6 / 6	-	2 / 2	8 / 8	
MA	1983	6 / 7	17 / 17	-	-	-	-	2 / 2	4 / 4	-	6 / 6	-	11 / 11	-	
	1984	6 / (d)	17 / 17	-	-	-	-	2 / (d)	4 / 4	-	6 / (d)	-	11 / 11	-	
	1985	4 / 3	17 / 17	-	-	-	-	2 / 2	4 / 4	-	6 / 2	-	10 / 11	-	
	1986	3 / 3	14 / 14	-	-	-	-	2 / 2	4 / 4	-	2 / 2	-	9 / 9	-	
	1987	3 / 16	14 / 0	-	8 / 1	0 / 8	-	2 / 0	4 / 4	-	2 / 2	-	9 / 9	-	
	1988	17 / 16	-	2 / 2	2 / 6	5 / 6	-	2 / 0	4 / 4	-	2 / 2	-	9 / 9	0 / 2	
	1989	20 / 20	1 / 1	-	8 / 8	6 / 6	1 / 1	-	4 / 4	-	2 / 2	-	9 / 9	-	
	1990	20 / 6	-	-	11 / 11	6 / 6	-	-	4 / 4	-	2 / 1	-	9 / 9	-	
	1991	6 / 6	-	-	11 / 11	6 / 6	-	-	4 / 4	-	2 / 1	-	9 / 9	-	
NH	1983	14 / 14	1 / 1	-	-	-	-	7 / 7	-	-	4 / 4	-	1 / 1	-	
	1984	12 / (d)	1 / 1	-	-	-	-	7 / (d)	-	-	4 / (d)	-	1 / 1	-	
	1985	11 / 11	1 / 1	-	-	-	-	6 / 6	-	-	5 / 5	-	1 / 1	-	
	1986	13 / 13	1 / 1	-	-	-	-	7 / 7	-	-	6 / 6	-	1 / 1	-	
	1987	13 / 14	1 / 0	-	4 / 4	0 / 1	-	7 / 7	-	-	6 / 5	-	1 / 1	-	
	1988	14 / 12	-	1 / 1	2 / 8	1 / 1	2 / 1	7 / 7	-	2 / 2	6 / 8	-	1 / 1	5 / 4	
	1989	5 / 1	-	0 / 2	8 / 15	1 / 1	1 / 1	7 / 6	-	0 / 2	8 / 10	-	1 / 1	1 / 1	
	1990	1 / 1	-	-	14 / 14	1 / 1	1 / 1	6 / 6	-	2 / 0	10 / 10	-	1 / 1	1 / 1	
	1991	1 / 1	-	-	14 / 14	1 / 1	1 / 1	6 / 6	-	-	10 / 10	-	1 / 1	-	

TABLE 13. Region I Summary of SLAMS, NAMS, and SPM by State and Pollutant, 1983-1991

Dec 1991

State	Year Ending Dec 31	TSP			PM-10			Pb			SO2			
		SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a continuous	SLAMS ^a bubble/	NAMS ^b	SPM ^c
RI	1983	6 / 6 ^d	6 / 6	-	-	-	-	2 / 2 ^d	2 / 2	-	1 / 1 ^d	-	3 / 3	-
	1984	6 / (d)	6 / 6	-	-	-	-	2 / (d)	2 / 2	-	0 / (d)	-	3 / 3	-
	1985	6 / 6	6 / 6	-	-	-	-	2 / 2	2 / 2	-	1 / 0	-	3 / 3	-
	1986	6 / 3	6 / 6	-	-	-	-	2 / 2	2 / 2	-	-	-	3 / 3	-
	1987	6 / 12	6 / 0	-	2 / 0	0 / 2	-	2 / 2	2 / 2	-	-	-	3 / 3	-
	1988	11 / 11	-	-	-	2 / 2	-	2 / 2	2 / 2	-	-	-	3 / 3	-
	1989	11 / 11	-	-	-	2 / 2	-	2 / 2	2 / 2	-	-	-	3 / 3	-
	1990	11 / 11	-	-	-	2 / 2	-	2 / 2	2 / 2	-	-	-	3 / 3	-
	1991	11 / 10	-	-	-	2 / 2	-	2 / 2	2 / 2	-	-	-	3 / 3	-
VT	1983	5 / 5	1 / 1	-	-	-	-	-	-	-	2 / 2	-	1 / 1	-
	1984	5 / (d)	1 / 1	-	-	-	-	-	-	-	2 / (d)	-	1 / 1	-
	1985	5 / 5	1 / 1	-	-	-	-	-	-	-	2 / 2	-	1 / 1	-
	1986	5 / 5	1 / 1	-	-	-	-	-	-	-	2 / 2	-	1 / 1	-
	1987	5 / 6	1 / 0	-	4 / 3	0 / 1	-	-	-	-	2 / 2	-	1 / 1	-
	1988	6 / 0	-	2 / 2	3 / 6	1 / 1	5 / 5	3 / 4	-	-	2 / 1	-	1 / 1	-
	1989	-	-	1 / 1	5 / 5	1 / 1	-	4 / 4	-	-	1 / 1	-	1 / 1	-
	1990	-	-	1 / 1	5 / 5	1 / 1	-	-	-	-	1 / 1	-	1 / 1	-
	1991	-	-	1 / 1	4 / 4	1 / 1	-	-	-	-	1 / 1	-	1 / 1	-
Regional	1983	58 / 58	48 / 48	-	-	-	-	29 / 29	8 / 8	-	30 / 31	-	20 / 20	-
Total	1984	55 / (d)	48 / 48	-	-	-	-	31 / (d)	9 / 8	-	29 / (d)	-	20 / 20	-
	1985	54 / 53	48 / 48	-	-	-	-	30 / 30	8 / 8	-	30 / 28	-	19 / 20	-
	1986	55 / 52	45 / 45	-	-	-	-	38 / 38	8 / 8	-	26 / 26	-	18 / 18	-
	1987	55 / 98	45 / 0	-	27 / 17	0 / 18	-	38 / 36	8 / 8	-	24 / 24	-	20 / 20	-
	1988	62 / 48	0 / 0	39 / 43	44 / 67	16 / 18	30 / 34	19 / 18	8 / 8	8 / 7	25 / 29	-	20 / 20	19 / 19
	1989	43 / 37	1 / 1	21 / 23	64 / 73	23 / 23	24 / 25	19 / 17	8 / 8	4 / 9	28 / 30	-	20 / 20	8 / 10
	1990	38 / 24	0 / 0	20 / 20	75 / 63	23 / 23	20 / 20	13 / 13	8 / 8	11 / 8	28 / 27	-	20 / 20	8 / 8
	1991	21 / 20	0 / 0	19 / 19	65 / 65	23 / 23	19 / 19	14 / 14	8 / 8	7 / 7	28 / 27	-	20 / 20	8 / 8
	1983		106 / 107						35 / 35			50 / 51		
Grand	1984		103 / (d)						39 / (d)			48 / (d)		
Total	1985		102 / 101						38 / 38			49 / 48		
SLAMS	1986		100 / 97						46 / 46			44 / 44		
NAMS +	1987		100 / 98			27 / 35			46 / 44			44 / 44		
SPM)	1988		101 / 99			90 / 119			32 / 33			64 / 68		
	1989		85 / 81			111 / 121			31 / 34			58 / 60		
	1990		58 / 44			118 / 106			32 / 30			57 / 56		
	1991		40 / 39			107 / 107			29 / 29			58 / 55		

a. Number of SLAMS monitors excluding NAMS.
 b. Number of monitors operating/required.
 c. Number of monitors operating in current year/planned during next year.
 d. Not available.

TABLE 13. Region I Summary of SLAMS, NAMS, and SPM by State and Pollutant, 1983-1991

(continued)

Dec 1991

State	Year Ending Dec 31	CO			O3			NO2				Subtotal			Totals
		SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a		NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	
								continuous	bubbler						
CT	1983	5 / 5 ^c	-	-	3 / 3 ^c	6 / 6	-	3 / 3 ^c	-	-	-	62 / 63	30 / 30	-	92 / 93
	1984	5 / (d)	-	-	3 / (d)	6 / 6	-	3 / (d)	-	-	-	64 / 64	32 / 32	-	96 / 96
	1985	5 / 5	-	-	3 / 3	6 / 6	-	3 / 3	-	-	-	63 / 64	32 / 32	-	95 / 96
	1986	5 / 4	0 / 2	-	3 / 3	6 / 6	-	3 / 3	-	-	-	70 / 69	32 / 34	-	102 / 103
	1987	3 / 3	2 / 2	-	3 / 3	6 / 6	-	3 / 3	-	-	-	71 / 69	36 / 19	-	107 / 108
	1988	3 / 3	2 / 2	-	3 / 4	6 / 6	1 / 0	3 / 3	-	-	-	60 / 61	20 / 21	8 / 7	88 / 89
	1989	3 / 3	2 / 2	-	4 / 4	6 / 6	-	3 / 3	-	-	-	60 / 56	26 / 26	7 / 7	93 / 89
	1990	3 / 3	2 / 2	-	4 / 5	6 / 6	-	3 / 3	-	-	-	54 / 41	26 / 26	4 / 4	84 / 71
	1991	3 / 3	2 / 2	-	5 / 5	6 / 6	1 / 1	3 / 3	-	-	1 / 1	44 / 44	26 / 26	8 / 8	78 / 78
ME	1983	1 / 1	-	-	2 / 2	-	-	-	-	-	-	14 / 14	3 / 3	-	17 / 17
	1984	1 / (d)	-	-	2 / (d)	-	-	-	-	-	-	13 / 13	3 / 3	-	16 / 16
	1985	1 / 1	-	-	2 / 2	-	-	-	-	-	-	15 / 15	3 / 3	-	18 / 18
	1986	1 / 1	-	-	3 / 3	-	-	-	-	-	-	18 / 18	3 / 3	-	19 / 19
	1987	1 / 1	-	-	3 / 3	-	-	-	-	-	-	20 / 25	3 / 3	-	23 / 28
	1988	1 / 1	-	-	3 / 4	-	5 / 3	-	-	-	-	24 / 31	3 / 3	72 / 80	99 / 114
	1989	-	-	0 / 1	4 / 4	-	5 / 5	-	-	-	0 / 2	27 / 30	3 / 3	51 / 60	81 / 83
	1990	-	-	-	4 / 4	-	5 / 5	-	-	-	2 / 1	31 / 33	3 / 3	58 / 58	82 / 84
	1991	-	-	-	4 / 4	-	5 / 5	-	-	-	1 / 1	31 / 31	3 / 3	51 / 51	85 / 85
MA	1983	4 / 4	4 / 4	-	5 / 5	8 / 8	-	5 / 5	-	1 / 2	-	28 / 29	46 / 46	-	73 / 75
	1984	4 / (d)	4 / 4	-	5 / (d)	8 / 8	-	4 / (d)	-	2 / 2	-	27 / 25	46 / 46	-	73 / 71
	1985	4 / 3	4 / 4	-	5 / 2	8 / 8	-	3 / 1	-	2 / 2	-	24 / 13	45 / 46	-	69 / 69
	1986	3 / 4	4 / 4	-	2 / 2	8 / 8	-	2 / 2	-	2 / 2	-	14 / 15	41 / 41	-	55 / 56
	1987	4 / 4	4 / 4	-	2 / 2	8 / 8	-	2 / 2	-	2 / 2	-	23 / 27	41 / 36	-	64 / 62
	1988	4 / 4	4 / 4	-	4 / 2	8 / 8	3 / 3	2 / 2	-	2 / 2	1 / 2	33 / 32	32 / 33	6 / 6	71 / 74
	1989	4 / 4	4 / 4	-	2 / 2	8 / 8	3 / 3	2 / 2	-	2 / 2	2 / 2	38 / 38	34 / 34	6 / 6	78 / 78
	1990	4 / 4	4 / 4	-	2 / 7	8 / 8	5 / 5	2 / 2	-	2 / 2	2 / 2	41 / 31	33 / 33	7 / 7	81 / 71
	1991	4 / 4	4 / 4	-	7 / 7	8 / 8	1 / 1	2 / 2	-	2 / 2	2 / 2	32 / 31	33 / 33	3 / 3	68 / 67
NH	1983	2 / 2	-	-	3 / 3	1 / 1	-	1 / 1	-	-	-	31 / 31	3 / 3	-	34 / 34
	1984	2 / (d)	-	-	3 / (d)	1 / 1	-	1 / (d)	-	-	-	29 / 29	3 / 3	-	32 / 32
	1985	2 / 2	-	-	3 / 3	1 / 1	-	0 / 1	-	-	-	27 / 28	3 / 3	-	30 / 31
	1986	2 / 2	-	-	3 / 3	1 / 1	-	1 / 1	-	-	-	32 / 32	3 / 3	-	35 / 35
	1987	2 / 2	-	-	3 / 3	1 / 1	-	1 / 1	-	-	-	36 / 36	3 / 3	-	39 / 39
	1988	2 / 2	-	-	2 / 2	1 / 1	2 / 2	1 / 1	-	-	-	34 / 40	3 / 3	12 / 10	49 / 53
	1989	2 / 2	-	-	2 / 4	1 / 1	2 / 2	1 / 1	-	-	-	33 / 39	3 / 3	4 / 8	40 / 60
	1990	2 / 2	-	-	4 / 4	1 / 1	2 / 2	1 / 2	-	-	-	38 / 39	3 / 3	6 / 4	47 / 46
	1991	2 / 2	-	-	4 / 4	1 / 1	1 / 1	2 / 2	-	-	-	39 / 39	3 / 3	2 / 2	44 / 44

TABLE 13. Region I Summary of SLAMS, NAMS, and SPM by State and Pollutant, 1983-1991
(continued)

Dec 1991

State	Year Ending Dec 31	CO			O3			NO2				Subtotal			Totals
		SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a		NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	
								continuous	bubbler						
RI	1983	-	2 / 2	-	1 / 1	1 / 1	-	1 / 1	-	-	-	11 / 11	14 / 14	-	25 / 25
	1984	-	2 / 2	-	1 / (d)	1 / 1	-	1 / (d)	-	-	-	10 / 10	14 / 14	-	24 / 24
	1985	-	2 / 2	-	1 / 1	1 / 1	-	1 / 1	-	-	-	11 / 10	14 / 14	-	25 / 24
	1986	-	2 / 2	-	1 / 1	1 / 1	-	1 / 1	-	-	-	10 / 7	14 / 14	-	24 / 21
	1987	-	2 / 2	-	1 / 1	1 / 1	-	1 / 1	-	-	-	12 / 10	14 / 10	-	26 / 20
	1988	-	2 / 2	-	1 / 1	1 / 1	-	1 / 1	-	-	-	15 / 15	10 / 10	-	25 / 25
	1989	-	2 / 2	-	1 / 1	1 / 1	-	1 / 1	-	-	-	15 / 15	10 / 10	-	25 / 25
	1990	-	2 / 2	-	1 / 1	1 / 1	-	1 / 1	-	-	-	15 / 15	10 / 10	-	25 / 25
	1991	-	2 / 2	-	1 / 1	1 / 1	-	1 / 1	-	-	-	15 / 14	10 / 10	-	25 / 24
VT	1983	1 / 1 ^c	-	-	2 / 2	-	-	-	-	-	-	10 / 10	2 / 2	-	12 / 12
	1984	1 / (d)	-	-	2 / (d)	-	-	-	-	-	-	10 / 10	2 / 2	-	12 / 12
	1985	1 / 1	-	-	2 / 2	-	-	1 / 1	-	-	-	11 / 11	2 / 2	-	13 / 13
	1986	1 / 1	-	-	2 / 2	-	-	1 / 1	-	-	-	11 / 11	2 / 2	-	13 / 13
	1987	1 / 1	-	-	2 / 2	-	-	1 / 2	-	-	-	15 / 16	2 / 2	-	17 / 18
	1988	1 / 1	-	-	2 / 2	-	0 / 1	2 / 2	-	-	-	19 / 16	2 / 2	7 / 8	26 / 26
	1989	1 / 1	-	-	2 / 2	-	-	2 / 2	-	-	-	15 / 15	2 / 2	1 / 1	18 / 18
	1990	2 / 2	-	-	2 / 2	-	-	2 / 2	-	-	-	12 / 12	2 / 2	1 / 1	15 / 15
	1991	2 / 2	-	-	2 / 2	-	-	2 / 2	-	-	-	11 / 11	2 / 2	1 / 1	14 / 14
Regional	1983	13 / 13	6 / 6	-	18 / 16	16 / 16	-	10 / 10	-	1 / 2	-	186 / 165	97 / 98	-	283 / 266
Total	1984	13 / (d)	6 / 6	-	18 / (d)	16 / 16	-	9 / (d)	-	2 / 2	-	183 / 161	100 / 100	-	283 / 261
	1985	13 / 12	6 / 6	-	18 / 13	16 / 16	-	8 / 7	-	2 / 2	-	181 / 141	99 / 100	-	260 / 241
	1986	12 / 12	6 / 6	-	14 / 14	16 / 16	-	8 / 8	-	2 / 2	-	163 / 160	85 / 97	-	248 / 247
	1987	11 / 11	6 / 6	-	14 / 14	16 / 16	-	8 / 8	-	2 / 2	-	177 / 209	96 / 72	-	276 / 261
	1988	11 / 11	6 / 6	-	15 / 16	16 / 16	11 / 9	9 / 9	-	2 / 2	1 / 2	185 / 165	70 / 72	105 / 114	300 / 301
	1989	10 / 10	6 / 6	0 / 1	15 / 17	16 / 16	10 / 10	9 / 9	-	2 / 2	2 / 4	188 / 192	78 / 78	69 / 82	335 / 323
	1990	11 / 11	6 / 6	-	17 / 23	16 / 16	12 / 13	9 / 10	-	2 / 2	4 / 3	181 / 171	77 / 77	78 / 74	344 / 322
	1991	11 / 11	6 / 6	-	23 / 23	16 / 16	8 / 8	10 / 10	-	2 / 2	4 / 4	172 / 170	77 / 77	65 / 65	314 / 312
	1983		19 / 19			32 / 32				11 / 12			283 / 286		
Grand	1984		19 / (d)			32 / (d)				11 / (d)			263 / 251		
Total	1985		19 / 18			32 / 29				10 / 9			260 / 241		
(SLAMS +	1986		18 / 20			30 / 30				10 / 10			248 / 247		
NAMS +	1987		19 / 19			30 / 30				10 / 11			276 / 281		
SPM)	1988		19 / 19			42 / 40				12 / 13			300 / 301		
	1989		18 / 19			41 / 43				13 / 15			335 / 353		
	1990		19 / 19			45 / 52				15 / 15			344 / 322		
	1991		19 / 19			47 / 47				16 / 16			314 / 312		

a. Number of SLAMS monitors excluding NAMS.
 b. Number of monitors operating/required.
 c. Number of monitors operating in current year/planned during next year.
 d. Not available.

TABLE 14. Region II Summary of SLAMS, NAMS, and SPM by State and Pollutant, 1983-1991

Dec 1991

State	Year Ending Dec 31	TSP			PM-10			Pb			802			
		SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	BLAMS ^a		NAMS ^b	SPM ^c
											continuous	bubbler		
NJ	1983	14 / 17 ^c	9 / 9	-	-	-	-	6 / 7 ^c	2 / 2	-	6 / 6 ^c	-	6 / 6	-
	1984	22 / (d)	9 / 9	-	-	-	-	8 / (d)	2 / 2	-	11 / (d)	-	8 / 8	-
	1985	22 / 22	9 / 9	-	-	-	-	9 / 9	2 / 2	-	11 / 11	-	8 / 8	-
	1986	20 / 16	9 / 9	-	-	-	-	9 / 8	2 / 2	-	11 / 11	-	6 / 6	-
	1987	9 / 4	9 / 0	-	16 / 11	0 / 8	-	8 / 5	2 / 2	-	10 / 10	-	6 / 6	-
	1988	9 / 4	-	-	11 / 15	8 / 8	-	8 / 6	2 / 2	-	10 / 10	-	6 / 6	-
	1989	-	-	-	13 / 14	8 / 8	-	5 / 5	2 / 2	-	10 / 10	-	6 / 6	-
	1990	-	-	-	16 / 16	8 / 8	-	6 / 6	2 / 2	-	10 / 10	-	6 / 6	-
	1991	-	-	-	16 / 16	7 / 8	-	5 / 6	2 / 2	-	10 / 10	-	6 / 6	-
NY	1983	134 / 136	26 / 27	-	-	-	-	7 / 7	6 / 6	-	18 / 18	-	16 / 16	-
	1984	72 / (d)	26 / 26	-	-	-	-	7 / (d)	6 / 6	-	13 / (d)	-	17 / 17	-
	1985	74 / 76	26 / 26	-	-	-	-	7 / 7	6 / 6	-	13 / 14	-	17 / 17	-
	1986	73 / 67	26 / 26	-	-	-	-	7 / 7	6 / 6	-	14 / 12	-	16 / 16	-
	1987	61 / 76	24 / 3	-	14 / 19	0 / 11	-	7 / 7	6 / 6	-	10 / 11	-	16 / 16	-
	1988	60 / 81	3 / 3	1 / 1	6 / 46	8 / 11	5 / 6	7 / 7	6 / 6	1 / 0	11 / 11	-	13 / 14	1 / 1
	1989	61 / 33	-	-	29 / 49	11 / 11	1 / 1	6 / 7	7 / 7	-	11 / 11	-	13 / 14	-
	1990	38 / 38	-	-	26 / 62	11 / 11	-	10 / 10	6 / 6	-	12 / 12	-	11 / 11	-
	1991	32 / 32	-	4 / 4	44 / 44	11 / 11	4 / 4	7 / 7	5 / 5	-	11 / 11	-	11 / 11	3 / 3
PR	1983	7 / 8	7 / 7	-	-	-	-	2 / 2	3 / 3	-	2 / 3	-	-	-
	1984	7 / (d)	7 / 7	-	-	-	-	2 / (d)	3 / 3	-	3 / (d)	-	-	-
	1985	7 / 7	7 / 7	-	-	-	-	2 / 2	2 / 3	-	3 / 3	-	-	-
	1986	7 / 7	7 / 7	-	-	-	-	2 / 2	3 / 3	-	3 / 3	-	-	-
	1987	7 / 14	7 / 0	-	3 / 3	0 / 4	-	2 / 2	3 / 3	-	2 / 3	-	-	-
	1988	6 / 13	-	-	3 / 7	4 / 4	-	2 / 2	3 / 3	-	3 / 2	-	-	2 / 2
	1989	6 / 8	-	-	4 / 8	4 / 4	-	1 / 1	3 / 3	-	3 / 4	-	-	-
	1990	7 / 6	-	3 / 3	8 / 9	4 / 4	-	1 / 1	3 / 3	1 / 1	3 / 4	-	-	-
	1991	6 / 6	-	3 / 3	8 / 8	4 / 4	-	-	3 / 1	-	4 / 4	-	-	-
VI	1983	4 / 6	-	-	-	-	-	-	-	-	2 / 3	-	-	-
	1984	6 / (d)	-	-	-	-	-	-	-	-	2 / (d)	-	-	-
	1985	6 / 6	-	-	-	-	-	-	-	-	2 / 2	-	-	-
	1986	6 / 6	-	-	-	-	-	-	-	-	2 / 3	-	-	-
	1987	6 / 6	-	-	-	-	-	-	-	-	2 / 3	-	-	-
	1988	6 / 6	-	-	-	-	-	-	-	-	3 / 3	-	-	-
	1989	6 / 6	-	-	-	-	-	-	-	-	2 / 2	-	-	-
	1990	3 / 6	-	-	-	-	-	-	-	-	2 / 2	-	-	-
	1991	3 / 6	-	-	0 / 1	-	-	-	-	-	2 / 2	-	-	-

TABLE 14. Region II Summary of SLAMS, NAMS, and SPM by State and Pollutant, 1983-1991
(continued)

Dec 1991

State	Year Ending Dec 31	TSP			PM-10			Pb			SO2			
		SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a continuous	SLAMS ^a bubbler	NAMS ^b	SPM ^c
Regional	1983	159 / 166 ^c	42 / 43	-	-	-	-	15 / 16 ^c	11 / 11	-	28 / 31 ^c	-	24 / 26	-
Total	1984	106 / (d)	41 / 41	-	-	-	-	17 / (d)	11 / 11	-	29 / (d)	-	25 / 25	-
	1985	108 / 109	41 / 41	-	-	-	-	18 / 18	10 / 11	-	29 / 30	-	25 / 25	-
	1986	105 / 84	41 / 41	-	-	-	-	18 / 17	11 / 11	-	30 / 29	-	21 / 21	-
	1987	92 / 99	40 / 3	-	33 / 33 ^c	0 / 23	-	17 / 14	10 / 11	-	24 / 27	-	21 / 21	-
	1988	80 / 103	3 / 3	1 / 1	20 / 67	20 / 23	5 / 5	17 / 15	11 / 11	1 / 0	27 / 26	-	19 / 20	3 / 3
	1989	64 / 46	-	-	46 / 71	23 / 23	1 / 1	12 / 13	12 / 12	-	26 / 27	-	19 / 20	-
	1990	48 / 48	-	3 / 3	49 / 76	23 / 23	-	17 / 17	10 / 10	1 / 1	27 / 26	-	17 / 17	-
	1991	40 / 42	-	7 / 7	67 / 68	22 / 23	4 / 4	12 / 13	10 / 8	-	27 / 27	-	17 / 17	3 / 3
Grand	1983		201 / 209						26 / 27			52 / 57		
Total	1984		147 / (d)						28 / (d)			54 / (d)		
SLAMS +	1985		149 / 150						28 / 29			54 / 55		
NAMS +	1986		148 / 135						29 / 28			51 / 50		
SPM)	1987		122 / 102		33 / 56				27 / 25			45 / 48		
	1988		84 / 107		46 / 95				29 / 26			49 / 49		
	1989		64 / 46		70 / 85				24 / 25			45 / 47		
	1990		51 / 51		72 / 99				28 / 28			44 / 45		
	1991		47 / 48		93 / 85				22 / 21			47 / 47		

- a. Number of SLAMS monitors excluding NAMS.
- b. Number of monitors operating/required.
- c. Number of monitors operating in current year/planned during next year.
- d. Not available.

TABLE 14. Region II Summary of SLAMS, NAMS, and SPM by State and Pollutant, 1983-1991

(continued)

Dec 1991

State	Year Ending Dec 31	CO			O3			NO2			Subtotal			Totals	
		SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a		NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b		SPM ^c
								continuous	bubbler						
NJ	1983	9 / 9 ^c	2 / 2	-	7 / 7 ^c	6 / 6	-	3 / 4 ^c	-	2 / 2	-	48 / 60 ^c	29 / 29	-	74 / 79
	1984	11 / (d)	2 / 2	-	7 / (d)	6 / 6	-	5 / (d)	-	2 / 2	-	64 / 72	29 / 29	-	93 / 101
	1985	12 / 12	2 / 2	-	9 / 9	6 / 6	-	6 / 6	-	2 / 2	-	69 / 69	29 / 29	-	98 / 98
	1986	12 / 12	2 / 2	-	8 / 8	6 / 6	-	6 / 6	-	2 / 2	-	66 / 61	27 / 27	-	93 / 88
	1987	11 / 11	2 / 2	-	8 / 8	6 / 6	-	6 / 6	-	2 / 2	-	68 / 66	27 / 26	-	95 / 81
	1988	11 / 11	2 / 2	-	8 / 8	6 / 6	-	6 / 6	-	2 / 2	-	63 / 60	26 / 26	-	89 / 86
	1989	11 / 12	2 / 2	-	9 / 8	6 / 6	-	6 / 6	-	2 / 2	-	64 / 66	26 / 26	-	90 / 92
	1990	12 / 14	2 / 2	-	9 / 9	6 / 6	-	6 / 6	-	2 / 2	-	66 / 60	26 / 26	-	94 / 86
	1991	13 / 14	2 / 2	-	9 / 9	6 / 6	-	6 / 6	-	2 / 2	-	68 / 60	26 / 26	-	93 / 86
NY	1983	6 / 8	7 / 7	-	11 / 12	10 / 11	-	2 / 3	-	4 / 4	-	177 / 186	69 / 73	-	246 / 259
	1984	6 / (d)	7 / 7	-	8 / (d)	11 / 11	-	1 / (d)	-	4 / 4	-	106 / 112	70 / 70	-	176 / 182
	1985	6 / 6	7 / 7	-	8 / 8	11 / 11	-	1 / 1	-	4 / 4	-	109 / 111	70 / 70	-	179 / 181
	1986	6 / 6	7 / 7	-	8 / 8	11 / 11	-	1 / 1	-	4 / 4	-	109 / 101	68 / 68	-	177 / 169
	1987	6 / 7	7 / 7	-	8 / 8	11 / 11	-	1 / 1	-	4 / 4	-	107 / 129	66 / 67	-	173 / 196
	1988	6 / 8	7 / 7	2 / 2	8 / 8	11 / 11	2 / 2	1 / 1	-	3 / 4	2 / 2	99 / 102	61 / 66	14 / 13	164 / 231
	1989	6 / 8	7 / 7	2 / 2	8 / 9	11 / 11	2 / 2	1 / 1	-	3 / 4	1 / 1	112 / 118	62 / 64	6 / 6	170 / 178
	1990	6 / 6	6 / 7	-	9 / 9	11 / 11	3 / 4	1 / 2	-	4 / 4	1 / 1	102 / 129	48 / 49	4 / 6	164 / 193
	1991	8 / 8	7 / 7	-	9 / 10	11 / 11	6 / 7	2 / 2	-	4 / 4	1 / 1	113 / 116	49 / 49	20 / 19	182 / 193
PR	1983	1 / 1	2 / 2	-	-	1 / 1	-	-	-	-	-	12 / 14	13 / 13	-	25 / 27
	1984	1 / (d)	2 / 2	-	-	1 / 1	-	-	-	-	-	13 / 13	13 / 13	-	26 / 26
	1985	1 / 1	2 / 2	-	-	0 / 1	-	-	-	-	-	13 / 13	11 / 13	-	24 / 26
	1986	0 / 1	2 / 2	-	-	1 / 2	-	-	-	-	-	12 / 13	13 / 14	-	25 / 27
	1987	0 / 1	1 / 2	-	-	1 / 1	-	-	-	0 / 2	-	14 / 23	12 / 12	-	26 / 35
	1988	0 / 1	2 / 2	-	-	1 / 1	1 / 1	-	-	0 / 2	-	14 / 26	10 / 12	3 / 3	27 / 40
	1989	0 / 1	2 / 2	-	-	1 / 1	-	-	-	0 / 2	-	16 / 22	10 / 12	-	26 / 34
	1990	0 / 1	2 / 2	-	-	1 / 1	-	-	-	0 / 2	-	19 / 20	10 / 12	4 / 4	33 / 36
	1991	0 / 1	2 / 2	-	-	1 / 1	-	-	-	0 / 2	-	17 / 18	10 / 10	3 / 3	30 / 31
VI	1983	-	-	-	-	-	-	-	-	-	-	6 / 6	-	-	6 / 6
	1984	-	-	-	-	-	-	-	-	-	-	7 / 6	-	-	7 / 6
	1985	-	-	-	-	-	-	-	-	-	-	7 / 7	-	-	7 / 7
	1986	-	-	-	-	-	-	-	-	-	-	7 / 8	-	-	7 / 8
	1987	-	-	-	-	-	-	-	-	-	-	7 / 8	-	-	7 / 8
	1988	-	-	-	-	-	-	-	-	-	-	8 / 8	-	-	8 / 8
	1989	-	-	-	-	-	-	-	-	-	-	7 / 7	-	-	7 / 7
	1990	-	-	-	-	-	-	-	-	-	-	6 / 7	-	-	6 / 7
1991	-	-	-	-	-	-	-	-	-	-	6 / 8	-	-	6 / 8	

TABLE 14. Region II Summary of SLAMS, NAMS, and SPM by State and Pollutant, 1983-1991
(continued)

Dec 1991

State	Year Ending Dec 31	CO			O3			NO2				Subtotal			Totals
		SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	continuous	SLAMS ^a bubbler	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	
Regional	1983	16 / 18 ^o	11 / 11	-	18 / 18 ^c	17 / 18	-	6 / 7 ^c	-	6 / 6	-	240 / 257 ^c	111 / 115	-	361 / 372
Total	1984	17 / (d)	11 / 11	-	16 / (d)	18 / 18	-	6 / (d)	-	6 / 6	-	190 / 205	112 / 112	-	302 / 317
	1985	19 / 19	11 / 11	-	17 / 17	17 / 18	-	7 / 7	-	6 / 6	-	198 / 200	110 / 112	-	308 / 312
	1986	19 / 19	11 / 11	-	16 / 17	18 / 19	-	7 / 7	-	6 / 6	-	194 / 193	108 / 109	-	302 / 292
	1987	17 / 19	10 / 11	-	16 / 18	18 / 18	-	7 / 7	-	6 / 6	-	198 / 215	105 / 95	-	301 / 310
	1988	17 / 21	11 / 11	2 / 2	16 / 18	18 / 18	3 / 3	7 / 7	-	5 / 8	2 / 2	184 / 255	87 / 84	17 / 16	288 / 365
	1989	17 / 21	11 / 11	2 / 2	17 / 18	16 / 18	2 / 2	7 / 7	-	5 / 8	1 / 1	189 / 203	88 / 82	6 / 6	283 / 301
	1990	18 / 21	10 / 11	-	18 / 18	18 / 18	3 / 4	7 / 8	-	6 / 6	1 / 1	184 / 216	84 / 87	8 / 8	276 / 312
	1991	21 / 24	11 / 11	-	18 / 18	18 / 18	8 / 7	8 / 8	-	6 / 6	1 / 1	192 / 201	84 / 85	23 / 22	300 / 308
Grand	1983		26 / 29			35 / 37				11 / 13					351 / 372
Total	1984		28 / (d)			33 / (d)				12 / (d)					302 / 317
SLAMS +	1985		30 / 30			34 / 35				13 / 13					308 / 312
NAMS +	1986		29 / 30			34 / 36				13 / 13					302 / 292
SPM)	1987		27 / 30			34 / 34				13 / 15					301 / 310
	1988		30 / 34			37 / 37				14 / 17					288 / 365
	1989		30 / 34			37 / 38				13 / 16					283 / 301
	1990		28 / 32			39 / 40				14 / 17					276 / 312
	1991		32 / 35			44 / 44				15 / 17					300 / 308

- a. Number of SLAMS monitors excluding NAMS.
- b. Number of monitors operating/required.
- c. Number of monitors operating in current year/planned during next year.
- d. Not available.

TABLE 15. Region III Summary of SLAMS, NAMS, and SPM by State and Pollutant, 1983-1991

Dec 1991

State	Year Ending Dec 31	TSP			PM-10			Pb			SO2				
		SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a continuous	NAMS ^b bubbler	SPM ^c		
DE	1983	6 / 6 ^c	3 / 3	-	-	-	-	2 / 2 ^c	-	-	-	7 / 7 ^c	-	1 / 1	-
	1984	6 / (d)	3 / 3	-	-	-	-	2 / (d)	-	-	-	7 / (d)	-	1 / 1	-
	1985	6 / 6	3 / 3	-	-	-	-	2 / 2	-	-	-	7 / 7	-	1 / 1	-
	1986	6 / 6	3 / 3	-	-	-	-	2 / 2	-	-	-	7 / 7	-	1 / 1	-
	1987	6 / 5	3 / 0	-	2 / 1	0 / 1	-	2 / 2	-	-	-	7 / 7	-	1 / 1	-
	1988	-	-	10 / 10	2 / 3	1 / 1	-	2 / 2	-	-	-	6 / 6	-	1 / 1	-
	1989	-	-	10 / 10	3 / 3	1 / 1	-	2 / 2	-	-	-	5 / 5	-	1 / 1	-
	1990	-	-	6 / 6	4 / 4	1 / 1	-	-	-	-	-	5 / 5	-	1 / 1	-
	1991	-	-	3 / 3	4 / 4	1 / 1	-	-	-	-	-	5 / 5	-	1 / 1	-
	DC	1983	5 / 5	4 / 4	-	-	-	-	1 / 1	2 / 2	-	-	-	-	2 / 2
1984		5 / (d)	4 / 4	-	-	-	-	-	2 / 2	-	-	-	-	2 / 2	-
1985		2 / 2	4 / 4	-	-	-	-	-	2 / 2	-	-	-	-	2 / 2	-
1986		2 / 2	4 / 4	-	-	-	-	-	2 / 2	-	-	-	-	2 / 2	-
1987		2 / 3	4 / 0	-	2 / 3	0 / 1	-	-	2 / 2	-	-	-	-	2 / 2	-
1988		-	-	6 / 6	-	2 / 2	-	-	2 / 2	-	-	-	-	2 / 2	-
1989		-	-	6 / 6	-	2 / 2	-	-	2 / 2	-	-	-	-	2 / 2	-
1990		-	-	6 / 6	-	2 / 2	-	-	2 / 2	-	-	-	-	2 / 2	-
1991		-	-	-	-	2 / 2	-	-	2 / 2	-	-	-	-	2 / 2	-
MD		1983	27 / 27	9 / 9	-	-	-	-	4 / 4	2 / 2	-	-	4 / 4	-	5 / 5
	1984	26 / (d)	9 / 9	-	-	-	-	4 / (d)	2 / 2	-	-	4 / (d)	-	5 / 5	-
	1985	19 / 19	9 / 9	-	-	-	-	4 / 4	2 / 2	-	-	3 / 3	-	5 / 5	-
	1986	19 / 19	9 / 9	-	-	-	-	4 / 4	2 / 2	-	-	3 / 3	-	5 / 5	-
	1987	18 / 14	9 / 0	-	5 / 2	0 / 4	-	4 / 4	2 / 2	-	-	2 / 2	-	3 / 3	-
	1988	-	-	29 / 29	1 / 1	4 / 4	-	4 / 4	2 / 2	-	-	2 / 2	-	3 / 3	-
	1989	-	-	35 / 35	2 / 2	4 / 4	-	4 / 4	2 / 2	-	-	2 / 2	-	3 / 3	-
	1990	-	-	35 / 35	9 / 9	4 / 4	-	3 / 3	2 / 2	1 / 1	-	2 / 2	-	3 / 3	-
	1991	-	-	8 / 8	16 / 16	5 / 5	-	3 / 3	2 / 2	-	-	2 / 2	-	3 / 3	-
	PA	1983	87 / 87	44 / 44	-	-	-	-	9 / 9	4 / 4	-	-	18 / 18	-	22 / 22
1984		87 / (d)	44 / 44	-	-	-	-	9 / (d)	4 / 4	-	-	18 / (d)	-	22 / 22	-
1985		73 / 73	44 / 44	-	-	-	-	13 / 13	4 / 4	-	-	16 / 16	-	22 / 22	-
1986		77 / 77	44 / 44	-	-	-	-	14 / 14	4 / 4	-	-	17 / 17	-	22 / 22	-
1987		76 / 64	44 / 0	-	23 / 22	0 / 16	-	13 / 13	4 / 4	-	-	15 / 15	-	22 / 22	-
1988		-	-	71 / 71	13 / 26	13 / 13	-	9 / 9	4 / 4	11 / 11	-	17 / 17	-	22 / 22	9 / 9
1989		-	-	73 / 73	30 / 30	13 / 13	-	9 / 9	4 / 4	10 / 10	-	16 / 16	-	22 / 22	9 / 9
1990		-	-	72 / 72	34 / 34	13 / 13	-	9 / 9	4 / 4	10 / 10	-	16 / 16	-	22 / 22	9 / 9
1991		-	-	68 / 68	38 / 38	13 / 13	-	24 / 24	4 / 4	9 / 9	-	17 / 17	-	21 / 21	9 / 9

TABLE 15. Region III Summary of SLAMS, NAMS, and SPM by State and Pollutant, 1983-1991
(continued)

Dec 1991

State	Year Ending Dec 31	TSP			PM-10			Pb			SO2			
		a SLAMS	b NAMS	c SPM	a SLAMS	b NAMS	c SPM	a SLAMS	b NAMS	c SPM	a continuous	b bubble	c NAMS	d SPM
VA	1983	81 / 81 ^c	17 / 17	-	-	-	-	3 / 3 ^c	2 / 2	-	7 / 7 ^c	-	7 / 7	-
	1984	83 / (d)	17 / 17	-	-	-	-	3 / (d)	2 / 2	-	7 / (d)	-	7 / 7	-
	1985	81 / 81	17 / 17	-	-	-	-	6 / 6	2 / 2	-	6 / 6	-	7 / 7	-
	1986	48 / 48	16 / 16	-	-	-	-	6 / 6	2 / 2	-	7 / 7	-	7 / 7	-
	1987	47 / 30	16 / 0	-	5 / 8	0 / 8	-	5 / 5	2 / 2	-	6 / 6	-	6 / 6	-
	1988	-	1 / 1	50 / 50	10 / 11	4 / 4	-	6 / 6	2 / 2	-	6 / 6	-	6 / 6	1 / 1
	1989	-	-	41 / 41	25 / 25	4 / 4	-	6 / 6	2 / 2	-	6 / 6	-	6 / 6	1 / 1
	1990	-	-	18 / 18	26 / 28	4 / 4	-	6 / 6	2 / 2	-	6 / 6	-	6 / 6	-
	1991	-	-	18 / 18	32 / 32	4 / 4	-	4 / 4	2 / 2	-	6 / 6	-	6 / 6	-
WV	1983	18 / 18	11 / 11	-	-	-	-	11 / 11	-	-	4 / 4	-	6 / 6	-
	1984	18 / (d)	11 / 11	-	-	-	-	10 / (d)	-	-	3 / (d)	-	6 / 6	-
	1985	20 / 20	11 / 11	-	-	-	-	12 / 12	-	-	7 / 7	-	5 / 5	-
	1986	20 / 20	11 / 11	-	-	-	-	12 / 12	-	-	7 / 7	-	5 / 5	-
	1987	18 / 15	11 / 0	-	6 / 4	0 / 2	-	12 / 12	-	-	6 / 6	-	5 / 5	-
	1988	-	-	39 / 39	3 / 3	1 / 1	-	11 / 11	-	1 / 1	6 / 6	-	5 / 5	3 / 3
	1989	-	-	25 / 25	2 / 2	2 / 2	-	11 / 11	-	1 / 1	6 / 6	-	5 / 5	13 / 13
	1990	-	-	21 / 21	2 / 2	2 / 2	-	11 / 11	-	1 / 1	6 / 6	-	5 / 5	10 / 10
	1991	-	-	21 / 21	2 / 2	2 / 2	-	8 / 8	-	4 / 4	6 / 6	-	5 / 5	10 / 10
Regional	1983	204 / 204	88 / 88	-	-	-	-	30 / 30	10 / 10	-	40 / 40	-	43 / 43	-
Total	1984	206 / (d)	88 / 88	-	-	-	-	28 / (d)	10 / 10	-	39 / (d)	-	43 / 43	-
	1985	171 / 171	88 / 88	-	-	-	-	37 / 37	10 / 10	-	39 / 39	-	42 / 42	-
	1986	170 / 170	87 / 87	-	-	-	-	38 / 38	10 / 10	-	41 / 41	-	42 / 42	-
	1987	169 / 121	87 / 0	-	43 / 40	0 / 30	-	36 / 36	10 / 10	-	38 / 38	-	39 / 39	-
	1988	-	1 / 1	205 / 205	29 / 44	25 / 25	-	32 / 32	10 / 10	12 / 12	37 / 37	-	39 / 39	13 / 13
	1989	-	-	190 / 190	62 / 62	26 / 26	-	32 / 32	10 / 10	11 / 11	35 / 35	-	39 / 39	23 / 23
	1990	-	-	157 / 157	77 / 77	26 / 26	-	28 / 28	10 / 10	12 / 12	35 / 35	-	39 / 39	19 / 19
	1991	-	-	118 / 118	62 / 62	27 / 27	-	39 / 39	10 / 10	13 / 13	36 / 36	-	38 / 38	19 / 19
Grand	1983		292 / 292						40 / 40			83 / 83		
Total	1984		294 / (d)						38 / (d)			82 / (d)		
(SLAMS +	1985		259 / 259						47 / 47			81 / 81		
NAMS +	1986		257 / 257						48 / 48			83 / 83		
SPM)	1987		256 / 121		43 / 70				46 / 46			75 / 75		
	1988		206 / 206		54 / 69				54 / 54			89 / 89		
	1989		190 / 190		65 / 65				53 / 53			87 / 87		
	1990		157 / 157		103 / 103				51 / 51			83 / 83		
	1991		118 / 118		119 / 119				62 / 62			83 / 83		

a. Number of SLAMS monitors excluding NAMS.
 b. Number of monitors operating/required.
 c. Number of monitors operating in current year/planned during next year.
 d. Not available.

TABLE 15. Region III Summary of SLAMS, NAMS, and SPM by State and Pollutant, 1983-1991
(continued)

Dec 1991

State	Year Ending Dec 31	CO			O3			NO2				Subtotal			Totals
		SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a continuous	bubbler	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	
DE	1983	3 / 3 ^c	-	-	4 / 4 ^c	1 / 1	-	2 / 2 ^c	-	-	-	24 / 24 ^c	5 / 5	-	29 / 29
	1984	2 / (d)	-	-	4 / (d)	1 / 1	-	2 / (d)	-	-	-	23 / 7	5 / 5	-	28 / 12
	1985	2 / 2	-	-	4 / 4	1 / 1	-	2 / 2	-	-	-	23 / 23	5 / 5	-	28 / 28
	1986	2 / 2	-	-	4 / 4	1 / 1	-	2 / 2	-	-	-	23 / 23	5 / 5	-	28 / 28
	1987	2 / 2	-	-	4 / 4	1 / 1	-	2 / 2	-	-	-	25 / 23	5 / 3	-	30 / 26
	1988	2 / 2	-	-	4 / 4	1 / 1	-	2 / 2	-	-	-	18 / 18	3 / 3	10 / 10	31 / 32
	1989	2 / 2	-	-	4 / 4	1 / 1	-	2 / 2	-	-	-	18 / 18	3 / 3	10 / 10	31 / 31
	1990	2 / 2	-	-	4 / 4	1 / 1	-	2 / 2	-	-	-	17 / 17	3 / 3	5 / 5	25 / 25
	1991	2 / 2	-	-	4 / 4	1 / 1	-	2 / 2	-	-	-	17 / 17	3 / 3	3 / 3	23 / 23
DC	1983	1 / 1	2 / 2	-	1 / 1	1 / 1	-	-	-	2 / 2	-	8 / 8	13 / 13	-	21 / 21
	1984	1 / (d)	2 / 2	-	1 / (d)	1 / 1	-	-	-	2 / 2	-	7 / 4	13 / 13	-	20 / 17
	1985	-	2 / 2	-	1 / 1	1 / 1	-	-	-	2 / 2	-	3 / 3	13 / 13	-	16 / 16
	1986	-	2 / 2	-	1 / 1	1 / 1	-	-	-	2 / 2	-	3 / 3	13 / 13	-	16 / 16
	1987	-	2 / 2	-	1 / 1	1 / 1	-	-	-	2 / 2	-	5 / 7	13 / 10	-	18 / 17
	1988	-	2 / 2	-	1 / 1	1 / 1	-	-	-	2 / 2	-	1 / 1	11 / 11	6 / 6	18 / 18
	1989	-	2 / 2	-	1 / 1	1 / 1	-	-	-	2 / 2	-	1 / 1	11 / 11	6 / 6	18 / 18
	1990	-	2 / 2	-	1 / 1	1 / 1	-	-	-	2 / 2	-	1 / 1	11 / 11	6 / 6	18 / 18
	1991	-	2 / 2	-	1 / 1	1 / 1	-	-	-	2 / 2	-	1 / 1	11 / 11	-	12 / 12
MD	1983	5 / 5	2 / 2	-	14 / 14	3 / 3	-	6 / 6	-	2 / 2	-	60 / 60	23 / 23	-	83 / 83
	1984	5 / (d)	2 / 2	-	14 / (d)	3 / 3	-	6 / (d)	-	2 / 2	-	59 / 36	23 / 23	-	82 / 59
	1985	4 / 4	2 / 2	-	11 / 11	3 / 3	-	1 / 1	-	2 / 2	-	42 / 42	23 / 23	-	65 / 65
	1986	4 / 4	2 / 2	-	11 / 11	3 / 3	-	1 / 1	-	2 / 2	-	42 / 42	23 / 23	-	65 / 65
	1987	5 / 5	2 / 2	-	11 / 11	3 / 3	-	1 / 1	-	2 / 2	-	47 / 39	21 / 16	-	68 / 55
	1988	5 / 5	2 / 2	-	10 / 11	3 / 3	3 / 3	1 / 1	-	2 / 2	-	23 / 24	16 / 16	32 / 32	71 / 72
	1989	5 / 5	2 / 2	-	10 / 10	3 / 3	2 / 2	1 / 1	-	2 / 2	-	24 / 24	16 / 16	37 / 37	77 / 77
	1990	5 / 5	2 / 2	-	10 / 10	3 / 3	2 / 2	-	-	2 / 2	-	26 / 26	16 / 16	38 / 38	83 / 83
	1991	5 / 5	2 / 2	-	10 / 10	3 / 3	2 / 2	1 / 1	-	2 / 2	1 / 1	37 / 37	17 / 17	11 / 11	65 / 65
PA	1983	22 / 22	4 / 4	-	22 / 22	11 / 11	-	19 / 19	-	4 / 4	-	177 / 177	89 / 89	-	266 / 266
	1984	21 / (d)	4 / 4	-	22 / (d)	11 / 11	-	19 / (d)	-	4 / 4	-	176 / 104	89 / 89	-	265 / 193
	1985	23 / 23	4 / 4	-	24 / 24	11 / 11	-	16 / 16	-	4 / 4	-	165 / 165	89 / 89	-	254 / 254
	1986	23 / 23	4 / 4	-	24 / 24	11 / 11	-	12 / 12	-	4 / 4	-	167 / 167	89 / 89	-	256 / 256
	1987	23 / 23	4 / 4	-	24 / 24	11 / 11	-	18 / 18	-	4 / 4	-	190 / 167	89 / 61	-	279 / 228
	1988	19 / 19	4 / 4	2 / 2	24 / 24	11 / 11	2 / 2	14 / 14	-	4 / 4	4 / 4	98 / 109	58 / 58	99 / 99	253 / 266
	1989	19 / 19	4 / 4	2 / 2	24 / 24	11 / 11	2 / 2	16 / 16	-	4 / 4	5 / 5	114 / 114	58 / 58	101 / 101	273 / 273
	1990	20 / 20	4 / 4	1 / 1	24 / 24	11 / 11	2 / 2	17 / 17	-	4 / 4	4 / 4	120 / 120	58 / 58	98 / 98	276 / 276
	1991	20 / 20	4 / 4	1 / 1	24 / 24	11 / 11	2 / 2	17 / 17	-	4 / 4	4 / 4	140 / 140	57 / 57	93 / 93	290 / 290

TABLE 15. Region III Summary of SLAMS, NAMS, and SPM by State and Pollutant, 1983-1991

(continued)

Dec 1991

State	Year Ending Dec 31	CO			O3			NO2			Subtotal			Totals	
		SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a continuous	bubbler	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b		SPM ^c
VA	1983	10 / 10 ^d	2 / 2	-	10 / 10 ^d	5 / 5	-	10 / 10 ^c	8 / 8 ^c	-	-	108 / 109 ^d	33 / 33	-	142 / 142
	1984	10 / (d)	2 / 2	-	10 / (d)	5 / 5	-	9 / (d)	-	-	-	102 / 48	33 / 33	-	135 / 81
	1985	10 / 10	2 / 2	-	10 / 10	5 / 5	-	9 / 9	-	-	-	92 / 92	33 / 33	-	125 / 125
	1986	10 / 10	2 / 2	-	12 / 12	5 / 5	-	9 / 9	-	-	-	90 / 90	32 / 32	-	122 / 122
	1987	10 / 10	2 / 2	-	13 / 13	5 / 5	-	9 / 9	-	-	-	85 / 81	31 / 21	-	126 / 102
	1988	10 / 10	2 / 2	-	14 / 14	5 / 5	-	9 / 9	-	-	1 / 1	85 / 86	20 / 20	62 / 62	127 / 128
	1989	10 / 10	2 / 2	-	14 / 14	5 / 5	-	9 / 9	-	-	1 / 1	70 / 70	19 / 19	43 / 43	132 / 132
	1990	10 / 10	2 / 2	-	15 / 15	5 / 5	-	9 / 9	-	-	1 / 1	74 / 74	19 / 19	19 / 19	112 / 112
	1991	10 / 10	2 / 2	-	15 / 15	5 / 5	-	9 / 9	-	-	1 / 1	76 / 76	19 / 19	19 / 19	114 / 114
WV	1983	3 / 3	-	-	4 / 4	-	-	4 / 4	-	-	-	44 / 44	17 / 17	-	61 / 61
	1984	3 / (d)	-	-	4 / (d)	-	-	4 / (d)	-	-	-	43 / 37	17 / 17	-	60 / 54
	1985	4 / 4	-	-	5 / 5	-	-	5 / 5	-	-	-	53 / 53	16 / 16	-	69 / 69
	1986	4 / 4	-	-	5 / 5	-	-	5 / 5	-	-	-	53 / 53	16 / 16	-	69 / 69
	1987	3 / 3	-	-	4 / 4	-	-	4 / 4	-	-	-	54 / 48	16 / 7	-	70 / 55
	1988	3 / 3	-	1 / 1	5 / 5	-	1 / 1	4 / 4	-	-	1 / 1	32 / 32	6 / 6	46 / 46	84 / 84
	1989	3 / 3	-	1 / 1	5 / 5	-	1 / 1	4 / 4	-	-	1 / 1	31 / 31	7 / 7	42 / 42	80 / 80
	1990	3 / 3	-	1 / 1	5 / 5	-	1 / 1	4 / 4	-	-	1 / 1	31 / 31	7 / 7	35 / 35	73 / 73
	1991	3 / 3	-	1 / 1	5 / 5	-	1 / 1	4 / 4	-	-	1 / 1	28 / 28	7 / 7	38 / 38	73 / 73
Regional	1983	44 / 44	10 / 10	-	55 / 55	21 / 21	-	41 / 41	8 / 8	8 / 8	-	422 / 422	180 / 180	-	602 / 602
Total	1984	42 / (d)	10 / 10	-	55 / (d)	21 / 21	-	40 / (d)	-	8 / 8	-	410 / 238	180 / 180	-	590 / 416
	1985	43 / 43	10 / 10	-	55 / 55	21 / 21	-	33 / 33	-	8 / 8	-	378 / 378	179 / 179	-	557 / 557
	1986	43 / 43	10 / 10	-	57 / 57	21 / 21	-	29 / 29	-	8 / 8	-	378 / 378	178 / 178	-	556 / 556
	1987	43 / 43	10 / 10	-	57 / 57	21 / 21	-	32 / 32	-	8 / 8	-	416 / 366	176 / 118	-	591 / 483
	1988	39 / 39	10 / 10	3 / 3	58 / 59	21 / 21	6 / 6	30 / 30	-	8 / 8	6 / 6	225 / 241	114 / 114	245 / 245	584 / 600
	1989	39 / 39	10 / 10	3 / 3	58 / 59	21 / 21	5 / 5	32 / 32	-	8 / 8	7 / 7	258 / 258	114 / 114	239 / 239	611 / 611
	1990	40 / 40	10 / 10	2 / 2	59 / 59	21 / 21	5 / 5	32 / 32	-	8 / 8	6 / 6	272 / 272	114 / 114	201 / 201	587 / 587
	1991	40 / 40	10 / 10	2 / 2	59 / 59	21 / 21	5 / 5	32 / 33	-	8 / 8	7 / 7	299 / 299	114 / 114	164 / 164	577 / 577
Grand	1983		54 / 54			76 / 76			57 / 57				602 / 602		
Total	1984		52 / (d)			78 / (d)			48 / (d)				590 / 416		
SLAMS +	1985		53 / 53			76 / 76			41 / 41				557 / 557		
NAMS +	1986		53 / 53			78 / 78			37 / 37				556 / 556		
SPM)	1987		53 / 53			78 / 78			40 / 40				591 / 483		
	1988		52 / 52			85 / 86			44 / 44				594 / 600		
	1989		52 / 52			84 / 84			47 / 47				611 / 611		
	1990		52 / 52			85 / 85			46 / 46				587 / 587		
	1991		52 / 52			85 / 85			48 / 48				577 / 577		

- a. Number of SLAMS monitors excluding NAMS.
- b. Number of monitors operating/required.
- c. Number of monitors operating in current year/planned during next year.
- d. Not available.

TABLE 16. Region IV Summary of SLAMS, NAMS, and SPM by State and Pollutant, 1983-1991

Dec 1991

State	Year Ending Dec 31	TSP			PM-10			Pb			SO2			
		SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a continuous	NAMS ^b bubbler	SPM ^c	
AL	1983	53 / 53 ^c	17 / 17	-	-	-	-	3 / 3 ^c	2 / 2	-	3 / 3 ^c	-	1 / 1	-
	1984	52 / (d)	16 / 16	-	-	-	-	3 / (d)	2 / 2	-	4 / (d)	-	1 / 1	-
	1985	52 / 52	16 / 16	-	-	-	-	3 / 3	2 / 2	-	2 / 2	-	1 / 1	-
	1986	53 / 47	14 / 14	-	-	-	-	3 / 3	2 / 2	-	2 / 2	-	-	-
	1987	37 / 38	11 / 0	-	7 / 4 ^c	0 / 3	-	3 / 3	2 / 2	-	2 / 2	-	-	-
	1988	36 / 35	-	4 / 4	11 / 11	2 / 2	2 / 2	4 / 4	0 / 2	4 / 4	1 / 1	-	-	2 / 2
	1989	45 / 35	-	4 / 4	30 / 31	2 / 2	2 / 2	4 / 4	2 / 2	3 / 3	1 / 2	-	0 / 1	3 / 3
	1990	45 / 35	-	4 / 4	28 / 31	2 / 2	2 / 2	4 / 4	2 / 2	4 / 4	1 / 1	-	1 / 1	-
	1991	-	-	12 / 15	32 / 32	2 / 2	2 / 2	5 / 7	2 / 2	3 / 2	1 / 1	-	1 / 1	-
FL	1983	83 / 83	15 / 15	-	-	-	-	-	6 / 6	-	17 / 17	6 / 6 ^c	5 / 5	-
	1984	86 / (d)	15 / 15	-	-	-	-	-	6 / 6	-	25 / (d)	3 / (d)	5 / 5	-
	1985	87 / 87	15 / 15	-	-	-	-	-	5 / 6	-	17 / 18	-	5 / 5	-
	1986	89 / 89	15 / 15	-	-	-	-	1 / 1	6 / 6	-	20 / 20	-	5 / 2	-
	1987	82 / 81	14 / 0	-	5 / 0	0 / 10	-	-	6 / 6	-	19 / 19	-	5 / 5	-
	1988	85 / 85	-	17 / 17	4 / 4	8 / 8	1 / 1	-	9 / 12	7 / 7	20 / 20	9 / 9	6 / 6	3 / 3
	1989	86 / 86	-	17 / 17	10 / 13	8 / 8	1 / 2	-	11 / 12	7 / 7	20 / 20	2 / 2	6 / 6	3 / 3
	1990	86 / 86	-	17 / 17	12 / 17	8 / 8	4 / 5	-	11 / 12	8 / 8	18 / 16	2 / 2	6 / 6	3 / 3
	1991	1 / 0	-	6 / 2	23 / 49	8 / 13	3 / 6	2 / 3	11 / 12	2 / 2	16 / 12	2 / 2	5 / 12	2 / 2
GA	1983	39 / 39	11 / 11	-	-	-	-	-	1 / 2	-	10 / 10	-	1 / 1	-
	1984	40 / (d)	11 / 11	-	-	-	-	-	1 / 2	-	10 / (d)	-	1 / 1	-
	1985	39 / 39	11 / 11	-	-	-	-	-	1 / 2	-	10 / 10	-	1 / 1	-
	1986	40 / 40	11 / 11	-	-	-	-	-	3 / 3	-	10 / 10	-	1 / 2	-
	1987	38 / 48	11 / 0	-	3 / 0	0 / 2	-	-	2 / 2	-	10 / 10	-	2 / 2	-
	1988	47 / 47	-	6 / 6	-	2 / 2	1 / 1	-	2 / 2	10 / 10	8 / 8	-	2 / 2	2 / 2
	1989	43 / 43	-	-	-	2 / 2	1 / 1	-	2 / 2	10 / 10	6 / 6	-	2 / 2	1 / 1
	1990	43 / 43	-	-	-	2 / 2	1 / 1	-	2 / 2	10 / 10	4 / 6	-	2 / 2	1 / 1
1991	-	-	41 / 41	1 / 1	2 / 2	1 / 1	2 / 2	2 / 2	10 / 10	6 / 6	-	2 / 2	-	
KY	1983	48 / 48	13 / 13	-	-	-	-	5 / 5	2 / 2	-	8 / 8	-	4 / 4	-
	1984	50 / (d)	12 / 12	-	-	-	-	4 / (d)	2 / 2	-	8 / (d)	-	4 / 4	-
	1985	49 / 49	12 / 12	-	-	-	-	5 / 5	2 / 2	-	8 / 8	-	4 / 4	-
	1986	51 / 51	12 / 12	-	-	-	-	5 / 5	2 / 2	-	8 / 8	-	4 / 0	-
	1987	46 / 41	12 / 0	-	9 / 7	0 / 3	-	5 / 5	1 / 1	-	8 / 8	-	2 / 2	-
	1988	31 / 31	-	11 / 11	16 / 16	3 / 3	-	7 / 7	2 / 2	-	11 / 11	-	2 / 2	-
	1989	19 / 19	-	5 / 5	12 / 12	4 / 4	1 / 1	6 / 6	2 / 2	-	11 / 11	-	2 / 2	-
	1990	19 / 19	-	5 / 5	19 / 12	4 / 6	1 / 1	5 / 6	2 / 2	1 / 1	9 / 11	-	2 / 2	1 / 1
	1991	2 / 2	-	5 / 1	20 / 29	4 / 4	1 / 7	1 / 2	2 / 2	-	9 / 9	-	2 / 2	2 / 2

TABLE 16. Region IV Summary of SLAMS, NAMS, and SPM by State and Pollutant, 1983-1991

Dec 1991

State	Year Ending Dec 31	TSP			PM-10			Pb			SO2			
		SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	continuous
MS	1983	19 / 19 ^o	4 / 4	-	-	-	-	4 / 4 ^c	-	-	2 / 2 ^o	-	1 / 1	-
	1984	19 / (d)	4 / 4	-	-	-	-	5 / (d)	-	-	1 / (d)	-	1 / 1	-
	1985	19 / 19	4 / 4	-	-	-	-	5 / 5	-	-	1 / 1	-	1 / 1	-
	1986	19 / 19	1 / 1	-	-	-	-	6 / 5	-	-	1 / 1	-	1 / 0	-
	1987	17 / 17	1 / 0	-	1 / 0 ^c	0 / 1	-	4 / 4	-	-	1 / 1	-	1 / 1	-
	1988	18 / 18	-	3 / 3	-	-	1 / 1	4 / 4	-	-	1 / 1	-	1 / 1	1 / 1
	1989	18 / 18	-	3 / 3	-	1 / 1	1 / 1	4 / 4	-	-	1 / 1	-	-	1 / 1
	1990	18 / 18	-	3 / 3	-	1 / 1	1 / 1	4 / 4	-	-	2 / 2	-	-	1 / 1
	1991	11 / 11	-	1 / 1	-	5 / 6	1 / 1	1 / 1	4 / 2	-	-	3 / 3	-	-
NC	1983	74 / 74	9 / 9	-	-	-	-	-	-	-	5 / 5	-	1 / 1	-
	1984	77 / (d)	9 / 9	-	-	-	-	-	-	-	6 / (d)	-	1 / 1	-
	1985	76 / 76	9 / 9	-	-	-	-	-	-	-	4 / 4	-	1 / 1	-
	1986	79 / 79	9 / 9	-	-	-	-	-	-	-	4 / 4	-	-	-
	1987	63 / 61	7 / 0	-	6 / 4	0 / 3	-	-	-	-	6 / 6	-	-	-
	1988	64 / 64	-	2 / 2	8 / 8	3 / 3	3 / 3	-	-	-	5 / 5	-	-	-
	1989	60 / 60	-	2 / 2	6 / 6	3 / 3	3 / 3	-	-	-	5 / 5	-	-	-
	1990	60 / 60	-	2 / 2	16 / 16	3 / 3	3 / 3	-	-	-	5 / 5	-	-	5 / 5
	1991	31 / 31	-	4 / 4	16 / 34	3 / 3	1 / 8	-	-	-	3 / 3	-	-	4 / 5
SC	1983	10 / 10	7 / 8	-	-	-	-	-	-	-	4 / 4	-	1 / 1	-
	1984	10 / (d)	8 / 8	-	-	-	-	-	-	-	3 / (d)	-	1 / 1	-
	1985	10 / 10	8 / 8	-	-	-	-	-	-	-	3 / 3	-	1 / 1	-
	1986	12 / 12	8 / 8	-	-	-	-	-	-	-	3 / 3	-	1 / 1	-
	1987	7 / 15	8 / 0	-	6 / 13	0 / 3	-	-	-	-	3 / 3	-	1 / 1	-
	1988	9 / 9	-	25 / 25	5 / 5	3 / 3	1 / 1	-	-	-	2 / 2	-	1 / 1	5 / 5
	1989	18 / 18	-	22 / 16	8 / 11	2 / 3	-	-	-	12 / 12	3 / 4	-	1 / 1	5 / 5
	1990	18 / 18	-	22 / 16	7 / 10	3 / 3	3 / 3	-	-	12 / 12	4 / 4	-	1 / 1	5 / 5
	1991	-	-	31 / 31	17 / 17	3 / 3	-	21 / 21	-	-	6 / 6	-	1 / 1	-
TN	1983	48 / 48	21 / 21	-	-	-	-	1 / 1	2 / 2	-	3 / 3	-	1 / 1	-
	1984	45 / (d)	21 / 21	-	-	-	-	1 / (d)	2 / 2	-	3 / (d)	-	1 / 1	-
	1985	45 / 45	21 / 21	-	-	-	-	1 / 1	2 / 2	-	3 / 3	-	1 / 1	-
	1986	45 / 45	21 / 21	-	-	-	-	2 / 2	2 / 2	-	3 / 3	-	1 / 0	-
	1987	42 / 62	21 / 0	-	11 / 6	0 / 5	-	1 / 1	2 / 2	-	3 / 3	-	1 / 1	-
	1988	33 / 33	-	8 / 8	9 / 9	3 / 3	-	1 / 1	2 / 4	3 / 3	2 / 2	-	1 / 1	5 / 5
	1989	33 / 33	-	8 / 8	5 / 5	3 / 3	-	3 / 3	1 / 4	3 / 3	3 / 3	-	1 / 2	5 / 5
	1990	33 / 33	-	5 / 8	12 / 12	3 / 3	3 / 3	4 / 4	3 / 4	7 / 7	3 / 4	-	1 / 2	5 / 5
	1991	9 / 9	-	33 / 33	12 / 13	3 / 7	2 / 2	8 / 7	2 / 4	2 / 2	2 / 3	-	0 / 2	5 / 5

TABLE 16. Region IV Summary of SLAMS, NAMS, and SPM by State and Pollutant, 1983-1991

Dec 1991

State	Year Ending Dec 31	TSP			PM-10			Pb			SO ₂			
		SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a		NAMS ^b	SPM ^c
											continuous	bubbler		
Regional	1983	388 / 388 ^c	97 / 98	-	-	-	-	13 / 13 ^c	13 / 14	-	52 / 52 ^c	0 / 0	15 / 15	-
Total	1984	382 / (d)	96 / 98	-	-	-	-	13 / (d)	13 / 14	-	52 / (d)	3 / (d)	15 / 15	-
	1985	377 / 377	96 / 98	-	-	-	-	14 / 14	12 / 14	-	48 / 48	-	15 / 15	-
	1986	388 / 382	91 / 91	-	-	-	-	16 / 16	15 / 15	-	51 / 51	-	13 / 5	-
	1987	332 / 365	85 / 0	-	48 / 34	0 / 30	-	13 / 13	13 / 13	-	52 / 52	-	12 / 12	-
	1988	330 / 330	-	76 / 76	63 / 53	24 / 24	9 / 9	16 / 16	15 / 22	24 / 24	51 / 51	9 / 9	13 / 13	18 / 18
	1989	320 / 310	-	61 / 55	72 / 78	25 / 26	9 / 10	17 / 17	18 / 22	35 / 35	50 / 52	2 / 2	12 / 14	18 / 18
	1990	320 / 310	-	61 / 55	94 / 98	28 / 28	18 / 19	17 / 18	20 / 22	43 / 43	44 / 48	2 / 2	13 / 14	21 / 21
	1991	54 / 53	-	133 / 128	135 / 181	28 / 35	11 / 30	43 / 44	19 / 22	17 / 16	48 / 45	2 / 2	11 / 20	13 / 14
Grand	1983		482 / 483						26 / 27		73 / 73			
Total	1984		478 / (d)						26 / (d)		80 / (d)			
SLAMS	1985		473 / 473						26 / 28		63 / 64			
NAMS +	1986		478 / 473						31 / 31		64 / 58			
SPM)	1987		417 / 365		48 / 64				26 / 28		64 / 64			
	1988		408 / 408		86 / 86				55 / 62		91 / 91			
	1989		381 / 385		108 / 114				70 / 74		82 / 88			
	1990		381 / 365		138 / 145				80 / 83		80 / 88			
	1991		187 / 181		172 / 246				78 / 82		74 / 81			

- a. Number of SLAMS monitors excluding NAMS.
- b. Number of monitors operating/required.
- c. Number of monitors operating in current year/planned during next year.
- d. Not available.

TABLE 16. Region IV Summary of SLAMS, NAMS, and SPM by State and Pollutant, 1983-1991

(continued)

Dec 1991

State	Year Ending Dec 31	CO			O3			NO2				Subtotal			Totals
		SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	continuous	SLAMS ^a bubbler	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	
AL	1983	3 / 3 ^c	2 / 2	-	4 / 4 ^c	4 / 4	-	1 / 1 ^c	-	-	-	87 / 87 ^c	26 / 26	-	83 / 83
	1984	2 / (d)	2 / 2	-	3 / (d)	4 / 4	-	-	-	-	-	84 / 84	25 / 25	-	88 / 88
	1985	2 / 3	2 / 2	-	2 / 2	4 / 4	-	-	-	-	-	81 / 82	25 / 26	-	86 / 87
	1986	2 / 2	2 / 2	-	2 / 3	4 / 4	-	-	-	-	-	82 / 87	22 / 22	-	84 / 79
	1987	2 / 2	2 / 2	-	1 / 1	4 / 4	-	-	-	-	-	52 / 51	18 / 11	-	71 / 62
	1988	4 / 4	1 / 2	-	8 / 8	4 / 4	-	-	-	-	-	63 / 63	7 / 10	12 / 12	82 / 88
	1989	4 / 4	2 / 2	-	6 / 7	4 / 4	1 / 1	-	-	-	1 / 1	90 / 83	10 / 11	14 / 14	114 / 108
	1990	4 / 4	2 / 2	-	6 / 7	4 / 4	1 / 1	-	-	-	2 / 2	87 / 82	11 / 11	13 / 13	111 / 108
	1991	4 / 4	2 / 2	-	4 / 7	2 / 4	0 / 1	2 / 2	-	-	2 / 2	48 / 53	8 / 11	18 / 22	76 / 86
	FL	1983	18 / 18	10 / 10	-	7 / 7	13 / 13	-	10 / 10	3 / 3 ^c	2 / 2	-	168 / 168	51 / 51	-
1984		18	(d)	8 / 10	6 / (d)	13 / 13	-	8 / (d)	3 / (d)	2 / 2	-	162 / 162	50 / 51	-	202 / 203
1985		17 / 17	8 / 10	-	8 / 8	13 / 13	-	4 / 4	-	2 / 2	-	131 / 132	49 / 51	-	180 / 183
1986		17 / 17	10 / 10	-	8 / 8	13 / 13	-	4 / 4	-	2 / 2	-	137 / 137	51 / 48	-	188 / 185
1987		14 / 14	8 / 8	-	8 / 8	18 / 18	-	4 / 4	-	2 / 2	-	132 / 136	52 / 50	-	184 / 186
1988		12 / 12	11 / 12	-	8 / 8	18 / 18	2 / 2	4 / 4	-	2 / 2	2 / 2	162 / 162	52 / 58	32 / 32	238 / 243
1989		12 / 12	12 / 12	-	8 / 8	18 / 18	2 / 2	4 / 4	-	2 / 4	2 / 2	142 / 146	58 / 61	32 / 33	232 / 238
1990		12 / 13	12 / 12	-	10 / 10	19 / 18	2 / 2	4 / 4	-	2 / 4	2 / 2	142 / 148	58 / 61	37 / 38	237 / 247
1991		13 / 14	12 / 13	1 / 1	10 / 9	19 / 20	-	6 / 6	-	2 / 6	2 / 0	78 / 84	67 / 62	16 / 18	146 / 161
GA		1983	6 / 4	2 / 2	-	-	4 / 4	-	-	-	2 / 2	-	53 / 53	21 / 22	-
	1984	1 / (d)	2 / 2	-	-	3 / 4	-	-	-	1 / 2	-	51 / 53	18 / 22	-	70 / 75
	1985	2 / 3	2 / 2	-	-	4 / 4	-	-	-	2 / 2	-	51 / 52	21 / 22	-	72 / 74
	1986	6 / 6	2 / 2	-	0 / 3	4 / 4	-	-	-	2 / 2	-	56 / 56	23 / 24	-	78 / 82
	1987	2 / 2	2 / 2	-	2 / 2	4 / 5	-	-	-	2 / 2	-	55 / 53	23 / 16	-	78 / 76
	1988	2 / 2	2 / 2	-	2 / 2	4 / 5	5 / 5	-	-	2 / 2	-	60 / 60	14 / 15	24 / 24	88 / 89
	1989	1 / 1	2 / 2	-	2 / 2	5 / 5	4 / 4	-	-	2 / 2	-	52 / 52	18 / 18	18 / 18	83 / 83
	1990	1 / 1	2 / 2	-	2 / 2	5 / 5	4 / 4	-	-	2 / 2	-	50 / 52	16 / 16	18 / 18	81 / 83
	1991	1 / 1	2 / 2	-	2 / 2	5 / 6	4 / 4	-	-	2 / 2	-	12 / 12	16 / 16	58 / 56	83 / 84
	KY	1983	8 / 8	2 / 2	-	13 / 13	1 / 1	-	7 / 7	-	-	-	90 / 90	22 / 22	-
1984		7 / (d)	2 / 2	-	13 / (d)	1 / 1	-	7 / (d)	-	-	-	88 / 88	21 / 21	-	110 / 110
1985		8 / 8	0 / 2	-	13 / 13	1 / 1	-	7 / 7	-	-	-	88 / 88	19 / 21	-	107 / 109
1986		7 / 7	2 / 2	-	16 / 16	1 / 1	-	7 / 7	-	-	-	83 / 83	21 / 17	-	114 / 110
1987		8 / 8	2 / 2	-	13 / 13	1 / 1	-	7 / 7	-	-	-	88 / 89	18 / 9	-	114 / 98
1988		8 / 8	2 / 2	-	14 / 14	1 / 1	-	7 / 7	-	-	1 / 1	85 / 85	10 / 10	12 / 12	117 / 117
1989		7 / 7	2 / 2	1 / 1	13 / 13	1 / 1	1 / 1	7 / 7	-	-	1 / 1	76 / 76	11 / 11	9 / 9	96 / 95
1990		7 / 7	2 / 2	1 / 1	13 / 13	1 / 1	1 / 1	7 / 7	-	-	1 / 1	78 / 78	11 / 13	11 / 11	101 / 99
1991		7 / 7	2 / 2	2 / 3	13 / 13	1 / 1	9 / 16	7 / 8	-	-	1 / 3	68 / 70	11 / 11	20 / 32	99 / 113

TABLE 16. Region IV Summary of SLAMS, NAMS, and SPM by State and Pollutant, 1983-1991

(continued)

Dec 1991

State	Year Ending Dec 31	CO			O3			NO2				Subtotal			Totals
		SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a		NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	
								continuous	bubbler						
MS	1983	1 / 1 ^o	-	-	2 / 2 ^o	-	-	-	-	-	-	28 / 28 ^o	5 / 5	-	33 / 33
	1984	1 / (d)	-	-	2 / (d)	-	-	-	-	-	-	28 / 28	5 / 5	-	33 / 33
	1985	1 / 1	-	-	2 / 2	-	-	-	-	-	-	28 / 28	5 / 5	-	33 / 33
	1986	1 / 1	-	-	2 / 2	-	-	-	-	-	-	28 / 28	2 / 1	-	30 / 29
	1987	1 / 1	-	-	2 / 2	-	-	-	-	-	-	28 / 28	2 / 2	-	28 / 27
	1988	1 / 1	-	-	2 / 2	2 / 2	6 / 6	-	-	-	-	24 / 24	3 / 3	11 / 11	38 / 38
	1989	1 / 1	-	-	2 / 2	2 / 2	6 / 6	-	-	-	-	24 / 24	3 / 3	11 / 11	38 / 38
	1990	1 / 1	-	-	2 / 2	2 / 2	6 / 6	-	-	-	-	26 / 26	3 / 3	11 / 11	39 / 39
	1991	1 / 1	-	-	8 / 8	2 / 2	0 / 2	-	-	-	-	32 / 31	3 / 3	2 / 4	37 / 38
NC	1983	7 / 9	2 / 2	-	9 / 9	2 / 2	-	1 / 1 ^c	-	-	-	98 / 98	14 / 14	-	110 / 112
	1984	8 / (d)	2 / 2	-	6 / (d)	2 / 2	-	-	-	-	-	99 / 99	14 / 14	-	113 / 113
	1985	9 / 9	2 / 2	-	11 / 11	2 / 2	-	1 / 1	-	-	-	101 / 101	14 / 14	-	116 / 116
	1986	8 / 8	2 / 2	-	8 / 8	2 / 2	-	-	-	-	-	99 / 99	13 / 13	-	112 / 112
	1987	8 / 8	2 / 2	-	11 / 11	2 / 2	-	2 / 2	-	-	-	98 / 92	11 / 7	-	107 / 99
	1988	7 / 7	2 / 2	-	10 / 10	4 / 6	-	2 / 2	-	-	-	96 / 96	9 / 11	5 / 5	110 / 112
	1989	8 / 10	2 / 2	2 / 1	8 / 8	5 / 6	-	2 / 2	-	-	-	99 / 91	10 / 11	7 / 6	108 / 108
	1990	11 / 12	2 / 2	2 / 1	8 / 8	6 / 6	-	2 / 2	-	-	2 / 2	102 / 103	11 / 11	14 / 13	127 / 127
	1991	12 / 12	2 / 2	3 / 4	13 / 13	6 / 7	3 / 4	2 / 2	-	-	3 / 3	77 / 95	11 / 12	16 / 20	106 / 136
SC	1983	2 / 2	-	-	3 / 3	4 / 4	-	-	-	-	-	19 / 19	12 / 13	-	31 / 32
	1984	2 / (d)	-	-	3 / (d)	4 / 4	-	-	-	-	-	18 / 18	13 / 13	-	31 / 31
	1985	2 / 2	-	-	3 / 3	4 / 4	-	-	-	-	-	18 / 18	13 / 13	-	31 / 31
	1986	2 / 2	-	-	3 / 3	4 / 4	-	-	-	-	-	20 / 20	13 / 13	-	33 / 33
	1987	2 / 2	-	-	3 / 3	4 / 4	-	-	-	-	-	21 / 36	13 / 8	-	34 / 44
	1988	2 / 2	-	-	2 / 2	4 / 5	7 / 7	-	-	-	3 / 3	20 / 20	8 / 9	41 / 41	68 / 70
	1989	2 / 2	-	-	6 / 6	5 / 7	7 / 8	0 / 4	-	-	3 / 2	38 / 45	8 / 11	48 / 43	95 / 99
	1990	2 / 2	-	-	8 / 9	6 / 7	7 / 8	0 / 4	-	-	3 / 2	40 / 47	10 / 11	52 / 48	102 / 104
	1991	2 / 2	-	-	14 / 13	5 / 7	1 / 0	6 / 6	-	-	2 / 2	68 / 67	9 / 11	34 / 33	111 / 111
TN	1983	8 / 8	4 / 4	-	4 / 4	6 / 6	-	0 / 1	-	-	-	64 / 65	34 / 34	-	98 / 99
	1984	7 / (d)	4 / 4	-	5 / (d)	6 / 6	-	1 / (d)	-	-	-	62 / 62	34 / 34	-	96 / 96
	1985	8 / 7	4 / 4	-	4 / 4	6 / 6	-	1 / 1	-	-	-	60 / 61	34 / 34	-	94 / 95
	1986	7 / 7	4 / 4	-	4 / 4	6 / 6	-	1 / 1	-	-	-	62 / 62	34 / 33	-	96 / 95
	1987	7 / 7	4 / 4	-	4 / 4	6 / 6	-	1 / 1	-	-	-	69 / 74	34 / 18	-	103 / 92
	1988	5 / 5	4 / 4	-	2 / 2	8 / 8	5 / 5	1 / 1	-	-	-	53 / 53	18 / 20	21 / 21	92 / 94
	1989	5 / 5	4 / 4	-	4 / 4	8 / 8	5 / 5	1 / 1	-	-	-	64 / 64	17 / 21	21 / 21	92 / 96
	1990	5 / 5	4 / 4	-	2 / 4	8 / 8	5 / 5	1 / 1	-	-	-	60 / 63	19 / 21	28 / 28	107 / 112
	1991	5 / 4	4 / 6	-	2 / 3	8 / 8	5 / 7	1 / 6	-	-	4 / 3	39 / 45	17 / 27	51 / 52	107 / 124

TABLE 16. Region IV Summary of SLAMS, NAMS, and SPM by State and Pollutant, 1983-1991
(continued)

Dec 1991

State	Year Ending Dec 31	CO			O3			NO2				Subtotal			Totals
		SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a		NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	
								continuous	bubbler						
Regional	1983	62 / 64 ^c	22 / 22	-	42 / 42 ^c	34 / 34	-	19 / 20 ^c	3 / 3	4 / 4	-	672 / 676 ^c	188 / 187	-	767 / 762
Total	1984	47 / (d)	21 / 22	-	37 / (d)	33 / 34	-	16 / (d)	3 / (d)	3 / 4	-	663 / 668	181 / 186	-	744 / 760
	1985	48 / 48	18 / 22	-	41 / 41	34 / 34	-	12 / 13	-	4 / 4	-	638 / 642	180 / 186	-	718 / 727
	1986	48 / 48	22 / 22	-	40 / 44	34 / 34	-	12 / 12	-	4 / 4	-	656 / 664	178 / 171	-	735 / 725
	1987	44 / 44	21 / 21	-	44 / 44	37 / 40	-	14 / 14	-	4 / 4	-	647 / 666	172 / 120	-	719 / 686
	1988	42 / 42	22 / 24	-	48 / 48	43 / 50	25 / 25	14 / 14	-	4 / 4	6 / 6	663 / 663	121 / 137	158 / 158	842 / 868
	1989	40 / 42	24 / 24	3 / 2	49 / 50	49 / 52	26 / 27	14 / 16	-	4 / 6	7 / 6	664 / 669	132 / 144	159 / 153	855 / 866
	1990	43 / 45	24 / 24	3 / 2	51 / 55	51 / 52	26 / 27	14 / 16	-	4 / 6	10 / 9	685 / 695	138 / 146	182 / 176	905 / 917
	1991	45 / 45	24 / 27	6 / 8	66 / 68	48 / 61	22 / 34	24 / 29	-	4 / 8	14 / 13	417 / 467	132 / 173	216 / 243	765 / 883
Grand	1983		74 / 76			76 / 76			26 / 27				767 / 762		
Total	1984		68 / (d)			70 / (d)			22 / (d)				744 / 760		
SLAMS +	1985		64 / 70			75 / 75			17 / 17				718 / 727		
NAMS +	1986		71 / 71			74 / 78			16 / 16				735 / 726		
SPM)	1987		66 / 66			81 / 84			18 / 18				719 / 686		
	1988		64 / 68			116 / 123			24 / 24				842 / 858		
	1989		67 / 68			124 / 129			25 / 30				855 / 866		
	1990		70 / 71			128 / 134			26 / 33				905 / 917		
	1991		75 / 80			136 / 163			42 / 60				765 / 883		

- a. Number of SLAMS monitors excluding NAMS.
- b. Number of monitors operating/required.
- c. Number of monitors operating in current year/planned during next year.
- d. Not available.

TABLE 17. Region V Summary of SLAMS, NAMS, and SPM by State and Pollutant, 1983-1991

State	Year Ending Dec 31	TSP			PM-10			Pb			SO2			
		SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	continuous	SLAMS ^a bubbler	NAMS ^b	SPM ^c
IL	1983	70 / 71 ^o	26 / 26	-	-	-	-	10 / 10 ^o	2 / 2	-	18 / 18 ^o	-	15 / 15	-
	1984	73 / (d)	26 / 26	-	-	-	-	10 / (d)	2 / 2	-	15 / (d)	-	15 / 15	-
	1985	73 / 71	26 / 26	-	-	-	-	11 / 10	1 / 2	-	16 / 16	-	15 / 15	-
	1986	65 / 66	26 / 26	-	-	-	-	18 / 17	2 / 2	-	16 / 13	-	13 / 13	-
	1987	67 / 69	24 / 0	-	23 / 10	0 / 13	-	17 / 17	2 / 2	-	13 / 13	-	12 / 12	-
	1988	-	-	63 / 21	6 / 23	15 / 15	-	17 / 16	2 / 2	14 / 0	15 / 15	-	12 / 12	-
	1989	-	-	21 / 21	20 / 24	15 / 15	-	15 / 15	2 / 2	1 / 1	14 / 14	-	12 / 12	-
	1990	-	-	21 / 23	24 / 24	15 / 15	-	15 / 15	2 / 2	1 / 2	14 / 15	-	12 / 12	-
	1991	22 / 20	-	2 / 2	24 / 24	14 / 15	-	16 / 16	2 / 2	9 / 9	15 / 15	-	12 / 12	-
	IN	1983	62 / 64	20 / 20	-	-	-	-	10 / 10	4 / 4	-	11 / 12	-	6 / 6
1984		67 / (d)	20 / 20	-	-	-	-	10 / (d)	4 / 4	-	11 / (d)	-	6 / 6	-
1985		68 / 68	20 / 20	-	-	-	-	22 / 22	4 / 4	-	16 / 16	-	6 / 6	-
1986		65 / 65	20 / 20	-	-	-	-	10 / 10	4 / 4	-	10 / 10	-	6 / 6	-
1987		65 / 64	20 / 0	-	22 / 26	0 / 4	-	10 / 12	4 / 3	-	10 / 10	-	6 / 6	-
1988		1 / 0	-	12 / 10	63 / 61	5 / 5	4 / 4	4 / 4	2 / 2	4 / 4	10 / 10	-	6 / 6	4 / 4
1989		-	-	11 / 11	66 / 67	5 / 5	5 / 5	4 / 4	2 / 2	3 / 4	10 / 10	-	6 / 6	4 / 4
1990		-	-	11 / 9	67 / 64	5 / 5	5 / 7	4 / 4	2 / 2	4 / 6	10 / 9	-	6 / 6	4 / 3
1991		-	-	3 / 2	64 / 64	5 / 5	5 / 6	6 / 6	2 / 2	5 / 5	9 / 9	-	6 / 6	0 / 2
MI		1983	63 / 101	21 / 21	-	-	-	-	16 / 15	2 / 2	-	6 / 7	-	11 / 11
	1984	63 / (d)	21 / 21	-	-	-	-	15 / (d)	2 / 2	-	6 / (d)	-	11 / 11	-
	1985	61 / 51	21 / 21	-	-	-	-	16 / 15	2 / 2	-	6 / 6	-	11 / 11	-
	1986	61 / 36	21 / 16	-	-	-	-	16 / 15	2 / 2	-	6 / 5	-	11 / 9	-
	1987	29 / 42	11 / 0	-	12 / 5	0 / 7	-	11 / 11	2 / 2	-	4 / 4	-	5 / 5	-
	1988	17 / 8	-	6 / 6	2 / 2	9 / 9	3 / 4	12 / 12	1 / 1	0 / 1	6 / 6	-	3 / 3	6 / 5
	1989	16 / 15	-	5 / 6	4 / 4	6 / 6	7 / 7	11 / 11	1 / 2	3 / 3	6 / 6	-	3 / 3	6 / 6
	1990	14 / 11	-	5 / 6	4 / 4	6 / 6	7 / 7	11 / 11	2 / 2	5 / 5	6 / 6	-	2 / 3	6 / 6
	1991	16 / 7	-	-	1 / 4	5 / 5	-	11 / 11	2 / 2	-	6 / 6	-	3 / 3	-
	MN	1983	27 / 27	11 / 11	-	-	-	-	7 / 7	2 / 2	-	3 / 3	-	3 / 3
1984		32 / (d)	11 / 11	-	-	-	-	7 / (d)	2 / 2	-	4 / (d)	-	3 / 3	-
1985		32 / 26	11 / 11	-	-	-	-	2 / 2	2 / 2	-	3 / 3	-	5 / 5	-
1986		25 / 27	11 / 9	-	-	-	-	3 / 3	2 / 2	-	2 / 5	-	6 / 4	-
1987		26 / 33	7 / 0	-	13 / 15	0 / 8	-	3 / 3	2 / 2	-	4 / 3	-	4 / 4	-
1988		12 / 12	-	-	8 / 8	7 / 7	-	3 / 3	2 / 2	-	3 / 3	-	4 / 4	-
1989		12 / 12	1 / 1	-	9 / 9	7 / 7	0 / 5	3 / 3	2 / 2	-	3 / 3	-	4 / 4	0 / 5
1990		12 / 0	-	0 / 6	9 / 7	8 / 8	5 / 5	3 / 3	2 / 2	-	3 / 3	-	4 / 4	5 / 5
1991		9 / 9	-	9 / 9	6 / 6	7 / 7	21 / 21	3 / 3	2 / 2	5 / 5	3 / 3	-	4 / 4	20 / 20

TABLE 17. Region V Summary of SLAMS, NAMS, and SPM by State and Pollutant, 1983-1991

State	Year Ending Dec 31	TSP			PM-10			Pb			SO2				
		SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	continuous	SLAMS ^a bubbler	NAMS ^b	SPM ^c	
OH	1983	190 / 190	50 / 50	-	-	-	-	-	9 / 10	-	21 / 21	-	25 / 25	-	
	1984	188 / (d)	50 / 50	-	-	-	-	-	9 / 10	-	21 / (d)	-	25 / 25	-	
	1985	179 / 178	50 / 50	-	-	-	-	1 / 2	10 / 10	-	19 / 18	-	25 / 25	-	
	1986	179 / 128	44 / 44	-	-	-	-	-	10 / 10	-	19 / 18	-	25 / 23	-	
	1987	104 / 172	40 / 0	-	28 / 25	0 / 14	-	-	10 / 10	-	18 / 19	-	19 / 18	-	
	1988	-	-	39 / 25	34 / 39	18 / 18	-	-	10 / 10	16 / 10	-	19 / 19	-	18 / 18	-
	1989	-	-	22 / 22	37 / 43	19 / 19	-	1 / 1	9 / 10	10 / 10	-	20 / 20	-	17 / 17	-
	1990	-	-	22 / 24	43 / 41	19 / 19	-	1 / 1	10 / 10	10 / 8	-	20 / 18	-	17 / 17	-
	1991	16 / 5	-	5 / 0	35 / 39	18 / 18	0 / 5	-	10 / 10	3 / 12	-	19 / 19	-	17 / 17	-
	WI	1983	60 / 61	16 / 16	-	-	-	-	2 / 2	2 / 2	-	2 / 4	-	13 / 13	-
1984		58 / (d)	16 / 16	-	-	-	-	-	2 / 2	-	3 / (d)	-	13 / 13	-	
1985		58 / 42	16 / 16	-	-	-	-	-	2 / 2	-	4 / 4	-	13 / 13	-	
1986		43 / 46	13 / 11	-	-	-	-	-	2 / 2	-	3 / 4	-	12 / 11	-	
1987		31 / 31	15 / 0	-	8 / 2	0 / 5	-	-	3 / 3	-	3 / 3	-	9 / 9	-	
1988		31 / 31	-	-	1 / 2	5 / 5	1 / 1	-	2 / 2	-	6 / 5	-	5 / 5	2 / 1	
1989		20 / 27	-	3 / 6	3 / 3	6 / 6	3 / 3	-	2 / 2	-	5 / 6	-	5 / 3	1 / 1	
1990		27 / 0	-	6 / 33	3 / 4	6 / 6	3 / 0	-	2 / 2	-	6 / 4	-	3 / 3	1 / 2	
1991		-	-	32 / 33	3 / 4	6 / 6	-	-	2 / 2	-	5 / 3	-	3 / 3	0 / 1	
Regional Total		1983	462 / 514	144 / 144	-	-	-	-	44 / 44	21 / 22	-	58 / 63	-	78 / 78	-
	1984	469 / (d)	144 / 144	-	-	-	-	42 / (d)	21 / 22	-	60 / (d)	-	78 / 78	-	
	1985	492 / 468	144 / 144	-	-	-	-	51 / 50	21 / 22	-	63 / 64	-	78 / 78	-	
	1986	448 / 378	135 / 125	-	-	-	-	46 / 45	22 / 22	-	56 / 55	-	73 / 66	-	
	1987	326 / 421	117 / 0	-	106 / 83	0 / 51	-	41 / 43	23 / 22	-	62 / 52	-	65 / 54	-	
	1988	61 / 51	-	120 / 62	102 / 135	59 / 60	8 / 9	38 / 34	19 / 19	34 / 15	59 / 58	-	48 / 48	12 / 10	
	1989	57 / 54	-	62 / 65	129 / 140	58 / 58	15 / 20	34 / 34	18 / 20	17 / 18	58 / 59	-	47 / 45	11 / 16	
	1990	53 / 11	-	65 / 100	140 / 134	59 / 59	20 / 18	34 / 34	20 / 20	20 / 23	59 / 55	-	44 / 45	16 / 19	
1991	62 / 41	-	51 / 46	123 / 131	55 / 56	26 / 32	36 / 36	20 / 20	22 / 31	60 / 55	-	45 / 45	20 / 23		
Grand Total (SLAMS + NAMS + SPM)	1983		608 / 658						65 / 66			136 / 141			
	1984		633 / (d)						63 / (d)			138 / (d)			
	1985		636 / 610						72 / 62			138 / 142			
	1986		583 / 503						68 / 67			129 / 121			
	1987		443 / 421		106 / 134				64 / 65			107 / 106			
	1988		181 / 113		169 / 204				89 / 68			119 / 118			
	1989		119 / 119		202 / 218				69 / 72			116 / 120			
	1990		118 / 111		219 / 212				74 / 77			119 / 116			
1991		113 / 87		204 / 219				78 / 87			125 / 123				

a. Number of SLAMS monitors excluding NAMS.
 b. Number of monitors operating/required.
 c. Number of monitors operating in current year/planned during next year.
 d. Not available.

TABLE 17. Region V Summary of SLAMS, NAMS, and SPM by State and Pollutant, 1983-1991
(continued)

Dec 1991

State	Year Ending Dec 31	CO			O3			NO2				Subtotal			Totals
		SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a		NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	
								continuous	bubbler						
IL	1983	10 / 11 ^o	2 / 2	-	26 / 26 ^c	11 / 11	-	7 / 7 ^o	13 / 13 ^o	2 / 2	-	181 / 184 ^o	88 / 88	-	209 / 212
	1984	12 / (d)	2 / 2	-	26 / (d)	11 / 11	-	9 / (d)	-	2 / 2	-	148 / 147	88 / 88	-	203 / 206
	1985	12 / 12	2 / 2	-	26 / 25	11 / 11	-	8 / 8	-	2 / 2	-	147 / 151	87 / 88	-	204 / 209
	1986	11 / 10	2 / 2	-	23 / 22	12 / 12	-	8 / 7	-	2 / 2	-	141 / 128	87 / 87	-	188 / 182
	1987	10 / 10	2 / 2	-	22 / 23	12 / 12	-	7 / 7	-	2 / 2	-	148 / 139	84 / 43	-	203 / 182
	1988	18 / 18	2 / 2	-	26 / 28	11 / 11	-	12 / 12	-	2 / 2	-	81 / 109	44 / 44	77 / 21	212 / 174
	1989	18 / 18	2 / 2	-	28 / 29	11 / 11	1 / 4	12 / 8	-	2 / 2	1 / 4	104 / 107	44 / 44	24 / 30	172 / 181
	1990	18 / 10	2 / 2	0 / 2	29 / 28	11 / 11	4 / 2	9 / 8	-	2 / 2	4 / 2	106 / 100	44 / 44	30 / 31	180 / 178
	1991	9 / 8	2 / 2	0 / 2	29 / 29	11 / 11	1 / 1	8 / 8	-	2 / 2	1 / 1	123 / 119	43 / 44	13 / 16	178 / 178
IN	1983	6 / 8	2 / 2	-	8 / 8	7 / 7	-	3 / 8	-	-	-	100 / 111	39 / 39	-	139 / 160
	1984	7 / (d)	2 / 2	-	8 / (d)	7 / 7	-	3 / (d)	-	-	-	126 / 126	39 / 39	-	166 / 166
	1985	7 / 8	2 / 2	-	16 / 16	7 / 7	-	4 / 9	-	-	-	181 / 168	39 / 39	-	200 / 207
	1986	7 / 7	2 / 2	-	7 / 7	7 / 7	-	3 / 3	-	-	-	122 / 122	39 / 39	-	161 / 161
	1987	7 / 7	2 / 2	-	8 / 8	7 / 7	-	3 / 2	-	-	-	145 / 148	39 / 22	-	184 / 171
	1988	7 / 7	2 / 2	1 / 1	8 / 8	7 / 7	6 / 6	2 / 2	-	-	1 / 1	85 / 82	22 / 22	32 / 30	139 / 144
	1989	7 / 7	2 / 2	1 / 1	9 / 9	7 / 7	4 / 4	3 / 3	-	-	1 / 1	89 / 90	22 / 22	29 / 30	140 / 142
	1990	7 / 7	2 / 2	1 / 0	9 / 9	7 / 7	4 / 8	3 / 3	-	-	1 / 3	90 / 86	22 / 22	30 / 39	142 / 147
	1991	6 / 7	2 / 2	-	9 / 9	7 / 7	6 / 8	2 / 2	-	-	2 / 2	86 / 87	22 / 22	21 / 26	129 / 134
MI	1983	8 / 8	2 / 2	-	7 / 7	8 / 8	-	1 / 8	-	2 / 2	-	90 / 143	46 / 46	-	136 / 189
	1984	8 / (d)	2 / 2	-	7 / (d)	8 / 8	-	-	-	2 / 2	-	89 / 89	46 / 46	-	135 / 136
	1985	8 / 8	2 / 2	-	7 / 7	8 / 8	-	-	-	1 / 2	-	87 / 87	46 / 46	-	132 / 133
	1986	8 / 8	2 / 2	-	7 / 7	8 / 8	-	-	-	2 / 2	-	87 / 71	46 / 38	-	133 / 108
	1987	8 / 8	2 / 2	-	6 / 6	10 / 10	-	-	-	2 / 2	-	86 / 77	32 / 28	-	97 / 108
	1988	8 / 8	2 / 2	1 / 1	6 / 6	10 / 10	1 / 2	-	-	2 / 2	-	81 / 42	27 / 27	17 / 19	85 / 88
	1989	7 / 7	2 / 2	1 / 1	6 / 6	10 / 10	3 / 3	-	-	2 / 2	-	49 / 48	24 / 26	26 / 26	98 / 99
	1990	6 / 7	2 / 2	2 / 2	6 / 6	10 / 10	3 / 4	-	-	1 / 2	-	47 / 46	23 / 26	28 / 28	88 / 99
	1991	7 / 7	2 / 2	-	7 / 0	10 / 10	-	-	-	2 / 2	-	60 / 36	24 / 24	-	74 / 68
MN	1983	6 / 6	2 / 2	-	3 / 3	2 / 2	-	-	-	2 / 2	-	45 / 45	27 / 27	-	72 / 72
	1984	6 / (d)	2 / 2	-	4 / (d)	2 / 2	-	-	-	2 / 2	-	62 / 67	27 / 27	-	79 / 84
	1985	6 / 6	2 / 2	-	6 / 3	2 / 2	-	-	-	2 / 2	-	47 / 39	24 / 27	-	71 / 66
	1986	6 / 6	2 / 2	-	4 / 3	2 / 2	-	-	-	2 / 2	-	38 / 43	26 / 21	-	64 / 64
	1987	10 / 8	2 / 2	-	3 / 3	2 / 2	-	-	-	2 / 2	-	68 / 66	18 / 20	-	78 / 86
	1988	7 / 7	2 / 2	-	3 / 3	2 / 2	-	-	-	2 / 2	-	34 / 36	18 / 19	-	63 / 66
	1989	8 / 7	2 / 2	-	3 / 3	2 / 2	-	-	-	2 / 2	-	38 / 37	20 / 20	0 / 10	68 / 67
	1990	8 / 8	2 / 2	-	3 / 4	2 / 2	-	0 / 3	-	2 / 2	-	38 / 28	20 / 20	10 / 16	68 / 64
	1991	6 / 6	2 / 2	-	2 / 2	2 / 2	-	-	-	2 / 2	6 / 6	28 / 28	18 / 19	61 / 61	108 / 108

TABLE 17. Region V Summary of SLAMS, NAMS, and SPM by State and Pollutant, 1983-1991
(continued)

Dec 1991

State	Year Ending Dec 31	CO			O3			NO2				Subtotal			Totals
		SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	continuous	SLAMS ^a bubbler	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	
OH	1983	10 / 10	10 / 10	-	14 / 14	15 / 15	-	4 / 4	-	4 / 4	-	230 / 230	112 / 114	-	352 / 353
	1984	10 / (d)	10 / 10	-	16 / (d)	15 / 15	-	2 / (d)	-	4 / 4	-	236 / 239	119 / 114	-	349 / 353
	1985	10 / 10	10 / 10	-	16 / 16	15 / 15	-	2 / 2	-	4 / 4	-	227 / 227	114 / 114	-	341 / 341
	1986	8 / 8	10 / 10	-	17 / 17	15 / 15	-	3 / 1	-	4 / 4	-	226 / 172	108 / 106	-	334 / 278
	1987	8 / 8	10 / 10	-	16 / 15	15 / 15	-	-	-	4 / 4	-	172 / 236	98 / 71	-	270 / 307
	1988	8 / 8	10 / 10	1 / 1	17 / 17	18 / 18	-	-	-	4 / 4	2 / 2	75 / 80	78 / 78	68 / 38	211 / 186
	1989	8 / 8	10 / 10	1 / 4	17 / 18	16 / 16	-	1 / 1	-	4 / 4	-	81 / 88	75 / 78	33 / 38	189 / 200
	1990	8 / 8	10 / 10	4 / 3	18 / 24	14 / 16	-	1 / 1	-	4 / 4	-	88 / 91	74 / 76	36 / 35	198 / 202
	1991	8 / 8	10 / 10	0 / 3	21 / 26	16 / 16	-	1 / 1	-	4 / 4	-	97 / 95	75 / 75	8 / 20	180 / 180
WI	1983	8 / 8	2 / 2	-	17 / 18	4 / 4	-	-	-	2 / 2	-	88 / 90	38 / 38	-	125 / 128
	1984	8 / (d)	2 / 2	-	16 / (d)	4 / 4	-	-	-	2 / 2	-	82 / 82	38 / 38	-	121 / 121
	1985	8 / 8	2 / 2	-	15 / 16	4 / 4	-	-	-	2 / 2	-	83 / 87	39 / 39	-	122 / 106
	1986	8 / 8	2 / 2	-	16 / 17	4 / 4	-	-	-	2 / 2	-	87 / 72	35 / 32	-	102 / 104
	1987	8 / 8	2 / 2	-	19 / 19	4 / 4	-	-	-	2 / 2	-	86 / 90	35 / 25	-	101 / 85
	1988	8 / 8	2 / 2	1 / 2	20 / 20	4 / 4	2 / 3	-	-	2 / 2	-	63 / 63	20 / 21	6 / 7	89 / 91
	1989	8 / 8	2 / 2	1 / 1	21 / 21	3 / 3	2 / 3	-	-	2 / 2	-	64 / 62	20 / 18	10 / 14	94 / 84
	1990	8 / 8	2 / 2	1 / 2	21 / 22	4 / 4	3 / 3	-	-	2 / 2	-	62 / 35	19 / 18	14 / 40	95 / 94
	1991	8 / 8	2 / 2	1 / 3	25 / 23	4 / 4	3 / 5	-	-	2 / 2	-	38 / 35	19 / 19	26 / 42	93 / 96
Regional Total	1983	44 / 47	20 / 20	-	76 / 76	47 / 47	-	15 / 25	13 / 13	12 / 12	-	711 / 782	322 / 323	-	1033 / 1105
	1984	47 / (d)	20 / 20	-	77 / (d)	47 / 47	-	15 / (d)	-	12 / 12	-	730 / 740	322 / 323	-	1052 / 1063
	1985	47 / 48	20 / 20	-	84 / 82	47 / 47	-	15 / 18	-	11 / 12	-	752 / 739	318 / 323	-	1070 / 1062
	1986	44 / 43	20 / 20	-	74 / 73	48 / 48	-	14 / 11	-	12 / 12	-	682 / 605	310 / 293	-	892 / 888
	1987	47 / 45	20 / 20	-	74 / 74	50 / 50	-	10 / 8	-	12 / 12	-	656 / 727	277 / 309	-	933 / 936
	1988	47 / 48	20 / 20	4 / 5	80 / 82	52 / 52	9 / 11	14 / 14	-	12 / 12	3 / 3	389 / 422	210 / 211	180 / 115	789 / 748
	1989	47 / 47	20 / 20	4 / 7	84 / 86	49 / 49	10 / 14	16 / 13	-	12 / 12	2 / 5	425 / 433	204 / 204	121 / 145	750 / 782
	1990	46 / 43	20 / 20	8 / 9	86 / 93	48 / 50	14 / 18	13 / 15	-	11 / 12	5 / 5	431 / 385	202 / 206	148 / 190	781 / 781
	1991	37 / 38	20 / 20	1 / 8	93 / 89	50 / 50	10 / 14	11 / 9	-	12 / 12	9 / 9	422 / 399	202 / 203	139 / 163	763 / 765
Grand Total	1983		64 / 67			122 / 123			40 / 50			1033 / 1105			
	1984		67 / 20			124 / 47			27 / 12			1052 / 1063			
SLAMS +	1985		67 / 68			131 / 129			28 / 31			1070 / 1062			
NAMS +	1986		64 / 63			122 / 121			28 / 23			992 / 998			
SPM)	1987		67 / 65			124 / 124			22 / 21			933 / 936			
	1988		71 / 73			141 / 146			29 / 29			789 / 748			
	1989		71 / 74			143 / 149			30 / 30			750 / 782			
	1990		74 / 72			148 / 161			29 / 32			781 / 781			
	1991		68 / 66			153 / 153			32 / 30			763 / 765			

a. Number of SLAMS monitors excluding NAMS.

b. Number of monitors operating/required.

c. Number of monitors operating in current year/planned during next year.

d. Not available.

TABLE 18. Region VI Summary of SLAMS, NAMS, and SPM by State and Pollutant, 1983-1991

Dec 1991

State	Year Ending Dec 31	TSP			PM-10			Pb			SO2				
		SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	continuous bubbler	
AR	1983	23 / 23 ^c	3 / 3	-	-	-	-	2 / 2 ^c	-	-	1 / 1 ^c	-	-	1 / 1	-
	1984	23 / (d)	3 / 3	-	-	-	-	2 / (d)	-	-	1 / (d)	-	-	1 / 1	-
	1985	23 / 23	3 / 3	-	-	-	-	2 / 2	-	-	1 / 1	-	-	1 / 1	-
	1986	23 / 23	3 / 3	-	-	-	-	2 / 2	-	-	1 / 1	-	-	1 / 1	-
	1987	26 / 24	3 / 0	-	2 / 2	0 / 2	-	2 / 2	-	-	1 / 1	-	-	1 / 1	-
	1988	39 / 0	-	-	2 / 21	2 / 2	-	2 / 2	-	-	1 / 1	-	-	1 / 1	-
	1989	-	-	-	22 / 22	2 / 2	-	3 / 3	-	-	1 / 1	-	-	1 / 1	-
	1990	2 / 2	-	-	18 / 19	2 / 2	-	2 / 2	-	-	1 / 1	-	-	1 / 1	-
	1991	2 / 2	-	-	18 / 18	2 / 2	-	2 / 2	-	-	1 / 1	-	-	1 / 1	-
LA	1983	21 / 22	7 / 7	-	-	-	-	2 / 2	1 / 2	-	7 / 8	-	-	1 / 1	-
	1984	22 / (d)	7 / 7	-	-	-	-	2 / (d)	2 / 2	-	6 / (d)	-	-	1 / 1	-
	1985	22 / 22	7 / 7	-	-	-	-	2 / 2	2 / 2	-	6 / 6	-	-	1 / 1	-
	1986	22 / 22	7 / 7	-	-	-	-	2 / 2	2 / 2	-	6 / 6	-	-	1 / 1	-
	1987	21 / 16	7 / 0	-	4 / 1	0 / 3	-	2 / 2	2 / 2	-	6 / 6	-	-	1 / 1	-
	1988	29 / 21	-	4 / 2	1 / 5	6 / 6	-	2 / 2	2 / 2	-	6 / 6	-	-	1 / 1	-
	1989	20 / 20	-	3 / 3	5 / 5	5 / 5	-	2 / 2	2 / 2	-	6 / 6	-	-	1 / 1	-
	1990	20 / 20	-	3 / 3	5 / 5	5 / 5	-	2 / 2	2 / 2	1 / 2	6 / 6	-	-	1 / 1	-
	1991	20 / 14	-	5 / 3	5 / 5	5 / 5	-	3 / 3	2 / 2	1 / 3	6 / 6	-	-	1 / 1	-
NM	1983	45 / 47	4 / 4	-	-	-	-	2 / 2	2 / 2	-	8 / 8	1 / 1 ^a	-	1 / 1	-
	1984	44 / (d)	4 / 4	-	-	-	-	2 / (d)	2 / 2	-	8 / (d)	-	-	1 / 1	-
	1985	46 / 47	4 / 4	-	-	-	-	2 / 2	2 / 2	-	9 / 9	-	-	1 / 1	-
	1986	43 / 43	4 / 4	-	-	-	-	2 / 2	2 / 2	-	9 / 9	-	-	-	-
	1987	34 / 41	2 / 0	-	4 / 11	0 / 4	-	2 / 2	2 / 2	-	10 / 10	-	-	-	-
	1988	50 / 33	-	-	14 / 38	4 / 4	-	2 / 2	2 / 2	-	9 / 9	-	-	-	-
	1989	7 / 7	-	-	22 / 25	4 / 4	-	2 / 2	-	-	9 / 9	-	-	-	-
	1990	1 / 1	-	-	23 / 25	4 / 4	3 / 3	2 / 2	-	-	9 / 9	-	-	-	1 / 1
	1991	-	-	-	22 / 25	4 / 4	4 / 4	2 / 2	-	-	9 / 9	-	-	-	1 / 1
OK	1983	24 / 25	8 / 8	-	-	-	-	3 / 3	2 / 2	-	7 / 7	-	-	1 / 1	-
	1984	25 / (d)	8 / 8	-	-	-	-	3 / (d)	2 / 2	-	7 / (d)	-	-	1 / 1	-
	1985	18 / 20	8 / 8	-	-	-	-	3 / 3	2 / 2	-	6 / 6	-	-	1 / 1	-
	1986	18 / 16	7 / 7	-	-	-	-	3 / 3	2 / 2	-	3 / 3	-	-	1 / 1	-
	1987	18 / 10	8 / 0	-	-	-	-	3 / 3	2 / 2	-	3 / 3	-	-	1 / 1	-
	1988	23 / 7	1 / 1	8 / 10	12 / 11	4 / 4	-	3 / 3	2 / 2	-	6 / 6	-	-	1 / 1	-
	1989	7 / 0	-	8 / 6	10 / 10	4 / 4	-	2 / 2	2 / 2	-	6 / 6	-	-	1 / 1	1 / 0
	1990	7 / 7	-	-	12 / 12	4 / 4	-	3 / 3	2 / 2	-	6 / 6	-	-	1 / 1	1 / 0
	1991	7 / 7	-	-	13 / 13	4 / 4	-	3 / 3	2 / 2	-	6 / 4	-	-	1 / 2	-

TABLE 18. Region VI Summary of SLAMS, NAMS, and SPM by State and Pollutant, 1983-1991
(continued)

Dec 1991

State	Year Ending Dec 31	TSP			PM-10			Pb.			SO2			
		SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a		NAMS ^b	SPM ^c
		continuous	bubbler											
TX	1983	31 / 32 ^o	44 / 44	-	-	-	-	17 / 18 ^o	9 / 10	-	7 / 7 ^o	-	4 / 4	-
	1984	31 / (d)	44 / 44	-	-	-	-	16 / (d)	9 / 10	-	7 / (d)	-	4 / 4	-
	1985	28 / 28	44 / 44	-	-	-	-	16 / 16	10 / 10	-	6 / 6	-	4 / 4	-
	1986	31 / 31	46 / 46	-	-	-	-	16 / 16	10 / 10	-	6 / 7	-	3 / 3	-
	1987	26 / 31	42 / 0	-	25 / 7 ^o	0 / 21	-	16 / 16	10 / 10	-	7 / 8	-	3 / 3	-
	1988	68 / 8	-	29 / 6	2 / 14	21 / 21	-	14 / 11	10 / 9	79 / 33	6 / 8	-	5 / 5	12 / 12
	1989	1 / 1	-	5 / 5	16 / 16	21 / 21	1 / 1	8 / 8	10 / 10	10 / 10	7 / 7	-	5 / 5	9 / 9
	1990	-	-	-	10 / 12	20 / 21	8 / 8	10 / 9	10 / 10	8 / 8	7 / 7	-	5 / 5	9 / 9
	1991	-	-	-	21 / 21	21 / 22	5 / 5	9 / 9	10 / 10	16 / 16	7 / 7	-	5 / 5	8 / 8
	Regional	1983	144 / 149	68 / 68	-	-	-	-	28 / 27	14 / 16	-	30 / 31	1 / 1 ^o	8 / 8
Total	1984	148 / (d)	68 / 68	-	-	-	-	28 / (d)	15 / 16	-	28 / (d)	-	8 / 8	-
	1985	135 / 138	68 / 68	-	-	-	-	25 / 25	16 / 16	-	26 / 27	-	8 / 8	-
	1986	135 / 135	68 / 68	-	-	-	-	25 / 25	16 / 16	-	24 / 25	-	6 / 6	-
	1987	121 / 122	62 / 0	-	40 / 29	0 / 34	-	26 / 25	16 / 16	-	26 / 24	-	6 / 6	-
	1988	209 / 69	1 / 1	41 / 18	31 / 89	36 / 36	-	23 / 20	16 / 15	79 / 33	27 / 29	-	8 / 8	12 / 12
	1989	35 / 28	-	16 / 14	74 / 78	36 / 36	1 / 1	17 / 17	14 / 14	10 / 10	28 / 28	-	8 / 8	10 / 9
	1990	30 / 30	-	3 / 3	68 / 73	35 / 36	11 / 11	19 / 18	14 / 14	9 / 7	28 / 28	-	8 / 8	11 / 10
	1991	29 / 23	-	5 / 3	70 / 82	36 / 37	9 / 9	19 / 19	14 / 14	17 / 18	28 / 27	-	8 / 8	9 / 9
Grand	1983		210 / 218						40 / 43			39 / 40		
Total	1984		211 / (d)						40 / (d)			38 / (d)		
(SLAMS +	1985		201 / 204						41 / 41			34 / 35		
NAMS +	1986		201 / 201						41 / 41			30 / 31		
SPM)	1987		183 / 122			40 / 63			41 / 41			32 / 30		
	1988		251 / 88			67 / 125			118 / 68			47 / 48		
	1989		51 / 42			111 / 115			41 / 41			46 / 45		
	1990		33 / 33			114 / 120			42 / 39			47 / 46		
	1991		34 / 26			124 / 128			50 / 52			45 / 45		

a. Number of SLAMS monitors excluding NAMS.
 b. Number of monitors operating/required.
 c. Number of monitors operating in current year/planned during next year.
 d. Not available.

TABLE 18. Region VI Summary of SLAMS, NAMS, and SPM by State and Pollutant, 1983-1991

(continued)

Dec 1991

State	Year Ending Dec 31	CO			O3			NO2				Subtotal			Totals
		SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c		
AR	1983	-	-	-	-	2 / 2	-	1 / 1 ^c	-	-	-	27 / 27 ^o	6 / 6	-	33 / 33
	1984	-	-	-	-	2 / 2	-	1 / (d)	-	-	-	27 / 27	6 / 6	-	33 / 33
	1985	-	-	-	-	2 / 2	-	1 / 1	-	-	-	27 / 27	6 / 6	-	33 / 33
	1986	-	-	-	-	2 / 2	-	1 / 1	-	-	-	27 / 27	6 / 6	-	33 / 33
	1987	-	-	-	-	2 / 2	-	1 / 1	-	-	-	32 / 30	6 / 6	-	38 / 36
	1988	-	-	-	-	2 / 2	-	1 / 1	-	-	-	45 / 25	6 / 6	-	50 / 30
	1989	-	-	-	-	2 / 2	-	1 / 1	-	-	-	27 / 27	6 / 6	-	32 / 32
	1990	-	o	-	-	2 / 2	0 / 1	1 / 1	-	-	-	24 / EPR	6 / 6	0 / 1	29 / EPR
	1991	0 / 1	-	-	-	2 / 2	2 / 2	1 / 1	-	-	-	24 / 26	6 / 6	2 / 2	31 / 32
LA	1983	1 / 1	2 / 2	-	8 / 8 ^c	6 / 6	-	2 / 2	14 / 14 ^o	2 / 2	-	65 / 68	19 / 20	-	74 / 78
	1984	1 / (d)	2 / 2	-	9 / (d)	6 / 6	-	2 / (d)	13 / (d)	2 / 2	-	64 / 67	20 / 20	-	74 / 77
	1985	1 / 1	2 / 2	-	9 / 9	6 / 6	-	2 / 2	13 / 13	2 / 2	-	64 / 64	20 / 20	-	74 / 74
	1986	1 / 1	2 / 2	-	9 / 9	6 / 6	-	2 / 2	-	2 / 2	-	41 / 41	20 / 20	-	61 / 61
	1987	1 / 1	2 / 2	-	9 / 9	6 / 6	-	2 / 2	-	2 / 2	-	44 / 36	20 / 16	-	64 / 52
	1988	1 / 1	2 / 2	-	9 / 13	6 / 6	1 / 1	2 / 2	-	2 / 2	-	49 / 49	18 / 18	5 / 3	72 / 70
	1989	1 / 1	2 / 2	-	13 / 12	6 / 6	1 / 1	2 / 2	-	2 / 2	-	48 / 47	18 / 18	4 / 4	70 / 69
	1990	1 / 2	2 / 2	-	13 / 19	6 / 6	1 / 1	3 / 13	-	2 / 2	-	49 / 68	18 / 18	5 / 6	72 / 90
	1991	1 / 1	2 / 2	-	14 / 15	6 / 6	1 / 1	3 / 3	-	2 / 2	-	51 / 47	18 / 18	7 / 7	76 / 72
NM	1983	6 / 7	2 / 2	-	5 / 6	2 / 2	-	2 / 2	1 / 1	-	-	70 / 74	11 / 11	-	81 / 85
	1984	6 / (d)	2 / 2	-	5 / (d)	2 / 2	-	2 / (d)	-	-	-	67 / 72	11 / 11	-	78 / 83
	1985	7 / 7	2 / 2	-	5 / 6	2 / 2	-	2 / 2	-	-	-	71 / 73	11 / 11	-	82 / 84
	1986	7 / 7	2 / 2	-	6 / 6	2 / 2	-	1 / 1	-	-	-	68 / 68	10 / 10	-	78 / 78
	1987	12 / 12	2 / 2	-	6 / 6	2 / 2	-	2 / 2	-	-	-	70 / 64	8 / 10	-	78 / 64
	1988	8 / 8	2 / 2	-	7 / 8	2 / 2	-	3 / 3	-	-	-	93 / 102	10 / 10	-	103 / 112
	1989	8 / 8	2 / 2	-	7 / 7	2 / 2	1 / 1	3 / 3	-	-	-	58 / 61	8 / 8	1 / 1	67 / 70
	1990	8 / 8	2 / 2	-	7 / 7	2 / 2	1 / 1	3 / 3	-	-	1 / 1	53 / 55	8 / 8	6 / 6	67 / 69
	1991	7 / 7	2 / 2	-	7 / 7	2 / 2	1 / 1	3 / 3	-	-	1 / 1	50 / 52	8 / 8	7 / 7	65 / 68
OK	1983	4 / 4	2 / 2	-	3 / 3	4 / 4	-	6 / 6	-	-	-	47 / 48	17 / 17	-	64 / 65
	1984	4 / (d)	2 / 2	-	3 / (d)	4 / 4	-	6 / (d)	-	-	-	48 / 46	17 / 17	-	65 / 63
	1985	4 / 4	2 / 2	-	3 / 3	4 / 4	-	5 / 6	-	-	-	38 / 42	17 / 17	-	55 / 59
	1986	4 / 4	2 / 2	-	3 / 3	4 / 4	-	6 / 6	-	-	-	35 / 35	16 / 16	-	51 / 51
	1987	4 / 3	2 / 2	-	3 / 3	4 / 4	-	6 / 6	-	1 / 1	-	39 / 38	18 / 14	-	57 / 50
	1988	3 / 3	2 / 2	-	3 / 3	4 / 4	-	6 / 6	-	-	-	56 / 39	14 / 14	8 / 10	78 / 63
	1989	3 / 3	2 / 2	-	3 / 3	4 / 4	-	6 / 6	-	-	1 / 0	37 / 30	13 / 13	10 / 6	60 / 49
	1990	3 / 3	2 / 2	-	3 / 3	4 / 4	-	6 / 6	-	-	1 / 0	40 / 40	13 / 13	2 / 0	55 / 53
	1991	3 / 4	2 / 2	-	3 / 3	4 / 4	-	6 / 7	-	-	-	41 / 41	13 / 14	-	54 / 55

TABLE 18. Region VI Summary of SLAMS, NAMS, and SPM by State and Pollutant, 1983-1991

(continued)

Dec 1991

State	Year Ending Dec 31	CO			O3			NO2				Subtotal			Totals
		SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	continuous	SLAMS ^a bubbler	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	
TX	1983	4 / 5 ^c	8 / 8	-	16 / 16 ^c	14 / 14	-	5 / 5 ^c	-	4 / 4	-	80 / 83	83 / 84	-	163 / 167
	1984	5 / (d)	8 / 8	-	16 / (d)	14 / 14	-	5 / (d)	-	4 / 4	-	80 / 72	83 / 84	-	163 / 156
	1985	5 / 5	8 / 8	-	13 / 15	14 / 14	-	5 / 5	-	4 / 4	-	71 / 73	84 / 84	-	155 / 157
	1986	6 / 5	8 / 8	-	11 / 16	14 / 14	-	5 / 5	-	4 / 4	-	75 / 80	84 / 84	-	159 / 164
	1987	3 / 3	10 / 10	-	16 / 13	14 / 14	-	5 / 3	-	4 / 4	-	87 / 78	83 / 82	-	180 / 140
	1988	4 / 3	8 / 10	5 / 4	14 / 15	15 / 15	9 / 8	4 / 4	-	4 / 4	5 / 5	112 / 83	83 / 84	139 / 88	314 / 195
	1989	3 / 3	10 / 10	6 / 6	15 / 16	14 / 14	5 / 7	5 / 5	-	4 / 4	5 / 5	84 / 56	84 / 84	41 / 43	159 / 163
	1990	4 / 4	10 / 10	5 / 5	16 / 15	14 / 14	7 / 9	4 / 4	-	4 / 4	5 / 5	51 / 51	83 / 84	42 / 41	156 / 156
	1991	4 / 4	10 / 10	5 / 5	16 / 16	14 / 14	6 / 6	4 / 4	-	4 / 4	6 / 6	61 / 61	84 / 85	46 / 46	171 / 172
	Regional	1983	15 / 17	14 / 14	-	32 / 34	28 / 28	-	16 / 16	15 / 15	6 / 6	-	279 / 290	138 / 138	-
Total	1984	16 / (d)	14 / 14	-	33 / (d)	28 / 28	-	16 / (d)	13 / (d)	6 / 6	-	276 / 274	137 / 138	-	413 / 412
	1985	17 / 17	14 / 14	-	30 / 33	28 / 28	-	15 / 16	13 / 13	6 / 6	-	281 / 269	138 / 138	-	399 / 407
	1986	16 / 17	14 / 14	-	29 / 34	28 / 28	-	16 / 16	-	6 / 6	-	246 / 251	138 / 138	-	382 / 387
	1987	30 / 19	18 / 18	-	34 / 31	28 / 28	-	16 / 14	-	7 / 7	-	282 / 264	138 / 107	-	417 / 371
	1988	16 / 16	14 / 16	5 / 4	33 / 39	29 / 29	10 / 9	16 / 16	-	6 / 6	5 / 5	355 / 278	110 / 111	152 / 81	617 / 470
	1989	16 / 15	16 / 16	6 / 6	38 / 38	28 / 28	7 / 9	17 / 17	-	6 / 6	6 / 5	224 / 221	108 / 108	56 / 54	388 / 383
	1990	16 / 17	18 / 18	5 / 5	39 / 44	28 / 28	9 / 12	17 / 27	-	6 / 6	7 / 6	217 / 237	107 / 108	55 / 54	379 / 399
	1991	18 / 17	18 / 18	5 / 5	40 / 41	28 / 28	10 / 10	17 / 18	-	6 / 6	7 / 7	227 / 227	108 / 110	62 / 62	397 / 399
Grand	1983		29 / 31		60 / 62			37 / 37				415 / 428			
Total	1984		30 / (d)		61 / (d)			35 / (d)				413 / 412			
SLAMS +	1985		31 / 31		58 / 61			34 / 35				399 / 407			
NAMS +	1986		32 / 31		57 / 62			21 / 21				382 / 387			
SPM)	1987		38 / 35		62 / 59			23 / 21				417 / 371			
	1988		35 / 36		72 / 77			27 / 27				617 / 470			
	1989		37 / 37		73 / 75			29 / 28				388 / 383			
	1990		37 / 38		78 / 84			30 / 39				379 / 399			
	1991		38 / 38		78 / 79			30 / 31				397 / 399			

a. Number of SLAMS monitors excluding NAMS.

b. Number of monitors operating/required.

c. Number of monitors operating in current year/planned during next year.

d. Not available.

TABLE 19. Region VII Summary of SLAMS, NAMS, and SPM by State and Pollutant, 1983-1991

Dec 1991

State	Year Ending Dec 31	TSP			PM-10			Pb			SO2			
		a		b	a		b	a		b	a		b	c
		SLAMS	NAMS	SPM	SLAMS	NAMS	SPM	SLAMS	NAMS	SPM	continuous	bubbler	NAMS	SPM
IA	1983	34 / 34 ^c	14 / 14	-	-	-	-	3 / 3 ^c	-	-	3 / 3 ^c	-	3 / 3	-
	1984	34 / (d)	14 / 14	-	-	-	-	3 / (d)	-	-	3 / (d)	-	3 / 3	-
	1985	30 / 30	14 / 14	-	-	-	-	3 / 3	-	-	2 / 2	-	3 / 3	-
	1986	33 / 33	14 / 4	-	-	-	-	3 / 3	-	-	4 / 4	-	3 / 0	-
	1987	31 / 31	11 / 0	-	11 / 10	0 / 3	-	2 / 2	-	-	7 / 9	-	2 / 3	-
	1988	30 / 22	-	4 / 3	9 / 9	3 / 3	-	1 / 1	-	-	5 / 5	-	3 / 3	5 / 5
	1989	30 / 30	-	4 / 4	8 / 8	3 / 3	-	1 / 1	-	-	5 / 5	-	3 / 3	6 / 6
	1990	24 / 24	-	4 / 4	9 / 9	3 / 3	-	1 / 1	-	-	5 / 5	-	3 / 3	3 / 3
	1991	22 / 22	-	5 / 5	9 / 9	3 / 3	1 / 1	1 / 1	-	-	7 / 7	-	3 / 3	6 / 6
KS	1983	12 / 12	8 / 8	-	-	-	-	1 / 1	1 / 1	-	-	-	2 / 2	-
	1984	12 / (d)	8 / 8	-	-	-	-	1 / (d)	1 / 1	-	-	-	2 / 2	-
	1985	12 / 12	8 / 8	-	-	-	-	1 / 1	1 / 1	-	-	-	2 / 2	-
	1986	12 / 12	8 / 3	-	-	-	-	1 / 1	1 / 1	-	-	-	2 / 2	-
	1987	12 / 13	7 / 0	-	6 / 6	0 / 3	-	1 / 1	1 / 1	-	-	-	1 / 2	-
	1988	17 / 17	-	1 / 1	3 / 4	3 / 3	5 / 5	1 / 1	1 / 1	-	-	-	2 / 2	1 / 0
	1989	1 / 1	-	17 / 17	3 / 3	3 / 3	7 / 6	1 / 1	1 / 1	-	-	-	2 / 2	1 / 1
	1990	-	-	18 / 18	3 / 3	3 / 3	6 / 6	1 / 1	1 / 1	-	-	-	2 / 2	-
	1991	-	-	17 / 17	3 / 3	3 / 3	5 / 5	1 / 1	1 / 1	-	-	-	2 / 2	2 / 2
MO	1983	27 / 28	14 / 14	-	-	-	-	6 / 6	3 / 3	-	10 / 10	-	5 / 5	-
	1984	28 / (d)	14 / 14	-	-	-	-	6 / (d)	3 / 3	-	10 / (d)	-	4 / 4	-
	1985	28 / 28	14 / 14	-	-	-	-	6 / 6	3 / 3	-	10 / 10	-	4 / 4	-
	1986	31 / 31	14 / 8	-	-	-	-	4 / 6	3 / 3	-	10 / 10	-	4 / 4	-
	1987	16 / 13	11 / 0	-	11 / 10	0 / 7	-	7 / 7	3 / 3	-	10 / 10	-	4 / 4	-
	1988	8 / 5	-	-	8 / 12	8 / 8	-	6 / 6	3 / 3	7 / 7	10 / 10	-	4 / 4	5 / 5
	1989	3 / 0	-	7 / 6	12 / 13	8 / 8	-	6 / 6	3 / 3	8 / 8	10 / 10	-	4 / 4	5 / 5
	1990	-	-	1 / 1	14 / 13	8 / 6	2 / 2	6 / 6	3 / 3	8 / 13	11 / 11	-	4 / 4	4 / 4
	1991	-	-	1 / 1	13 / 15	8 / 8	3 / 3	7 / 9	3 / 3	8 / 10	11 / 10	-	4 / 5	3 / 4

TABLE 19. Region VII Summary of SLAMS, NAMS, and SPM by State and Pollutant, 1983-1991
(continued)

Dec 1991

State	Year Ending Dec 31	TSP			PM-10			Pb			SO ₂			
		SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	bubbler	NAMS ^b	SPM ^c
NE	1983	33 / 33 ^c	6 / 6	-	-	-	-	2 / 2 ^c	2 / 2	-	-	-	1 / 1	-
	1984	30 / (d)	6 / 6	-	-	-	-	2 / (d)	2 / 2	-	-	-	1 / 1	-
	1985	31 / 31	6 / 6	-	-	-	-	2 / 2	2 / 2	-	-	-	1 / 1	-
	1986	30 / 30	4 / 2	-	-	-	-	2 / 2	2 / 2	-	-	-	0 / 1	-
	1987	29 / 28	3 / 0	-	7 / 8 ^c	0 / 2	-	1 / 1	2 / 2	-	-	-	1 / 1	-
	1988	30 / 27	-	2 / 2	7 / 9	2 / 2	-	1 / 1	2 / 2	2 / 2	-	-	1 / 1	-
	1989	28 / 28	-	2 / 2	8 / 9	2 / 2	-	1 / 1	2 / 2	2 / 2	-	-	1 / 1	-
	1990	26 / 26	-	6 / 6	8 / 8	2 / 2	-	1 / 1	2 / 2	4 / 4	-	-	1 / 1	-
	1991	27 / 27	-	6 / 6	8 / 9	2 / 2	-	1 / 1	2 / 2	4 / 6	-	-	1 / 1	-
	Regional	1983	108 / 107	42 / 42	-	-	-	12 / 12	6 / 6	-	13 / 16 ^c	-	11 / 11	-
Total	1984	105 / (d)	42 / 42	-	-	-	12 / (d)	6 / 6	-	13 / (d)	-	10 / 10	-	
	1985	101 / 101	42 / 42	-	-	-	12 / 12	6 / 6	-	12 / 12	-	10 / 10	-	
	1986	106 / 106	40 / 17	-	-	-	10 / 11	6 / 6	-	14 / 14	-	8 / 7	-	
	1987	88 / 82	32 / 0	-	34 / 34	0 / 15	-	11 / 11	6 / 6	-	17 / 19	-	8 / 10	-
	1988	88 / 71	-	7 / 6	27 / 34	16 / 16	5 / 6	9 / 9	6 / 6	9 / 9	15 / 15	-	10 / 10	11 / 10
	1989	82 / 59	-	30 / 29	31 / 33	16 / 16	7 / 6	9 / 9	6 / 6	10 / 10	15 / 15	-	10 / 10	12 / 12
	1990	50 / 50	-	30 / 30	34 / 33	16 / 16	8 / 8	9 / 9	6 / 6	12 / 17	16 / 16	-	10 / 10	7 / 7
	1991	48 / 49	-	29 / 29	33 / 36	16 / 16	9 / 8	10 / 12	6 / 6	12 / 15	16 / 17	-	10 / 11	11 / 12
Grand	1983		148 / 148					18 / 18			24 / 27			
Total	1984		147 / (d)					18 / (d)			23 / (d)			
SLAMS +	1985		143 / 143					18 / 18			22 / 22			
NAMS +	1986		146 / 123					16 / 17			28 / 21			
SPM)	1987		120 / 82		34 / 49			17 / 17			25 / 29			
	1988		92 / 77		46 / 56			24 / 24			36 / 36			
	1989		82 / 59		64 / 55			25 / 25			37 / 37			
	1990		80 / 60		58 / 57			27 / 32			33 / 33			
	1991		78 / 78		56 / 61			28 / 33			39 / 40			

- a. Number of SLAMS monitors excluding NAMS.
- b. Number of monitors operating/required.
- c. Number of monitors operating in current year/planned during next year.
- d. Not available.

TABLE 19. Region VII Summary of SLAMS, NAMS, and SPM by State and Pollutant, 1983-1991

(continued)

Dec 1991

State	Year Ending Dec 31	CO			O3			NO2				Subtotal			Totals
		SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	continuous ^a	bubbler ^b	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	
IA	1983	5 / 5 ^c	-	-	4 / 4 ^c	3 / 3	-	-	0 / 1 ^c	-	-	48 / 53 ^c	20 / 20	-	68 / 73
	1984	4 / (d)	-	-	4 / (d)	3 / 3	-	-	-	-	48 / 53	20 / 20	-	68 / 73	
	1985	4 / 5	-	-	3 / 3	3 / 3	-	-	1 / 1	-	-	43 / 44	20 / 20	-	63 / 64
	1986	5 / 5	-	-	3 / 3	3 / 3	-	-	-	-	-	48 / 48	20 / 7	-	68 / 55
	1987	5 / 6	-	-	3 / 3	3 / 3	-	-	-	-	-	59 / 61	16 / 9	-	75 / 70
	1988	5 / 4	-	-	3 / 3	3 / 3	-	-	-	-	-	52 / 44	9 / 9	9 / 8	71 / 61
	1989	5 / 5	-	-	3 / 3	3 / 3	-	-	-	-	-	52 / 52	9 / 9	10 / 10	71 / 71
	1990	5 / 5	-	-	3 / 3	3 / 3	-	-	-	-	-	47 / 47	9 / 9	7 / 7	63 / 63
	1991	5 / 5	-	-	2 / 2	3 / 3	1 / 1	-	-	-	-	46 / 46	9 / 9	13 / 13	68 / 68
	KS	1983	3 / 3	-	-	-	2 / 2	-	1 / 1 ^c	-	-	-	17 / 17	13 / 13	-
1984		3 / (d)	-	-	1 / (d)	2 / 2	-	1 / (d)	-	-	18 / 18	13 / 13	-	31 / 31	
1985		3 / 3	-	-	1 / 1	2 / 2	-	1 / 1	-	-	18 / 18	13 / 13	-	31 / 31	
1986		3 / 3	-	-	1 / 1	2 / 2	-	0 / 1	-	-	17 / 18	13 / 8	-	30 / 26	
1987		4 / 4	-	-	2 / 2	2 / 2	-	1 / 1	-	-	25 / 27	11 / 8	-	36 / 35	
1988		3 / 3	-	1 / 1	1 / 1	2 / 2	1 / 0	1 / 1	-	-	26 / 27	8 / 8	9 / 7	43 / 42	
1989		3 / 3	-	2 / 2	1 / 1	2 / 2	1 / 1	1 / 0	-	-	10 / 9	8 / 8	28 / 27	46 / 44	
1990		3 / 3	-	-	1 / 1	2 / 2	-	-	-	1 / 1	8 / 8	8 / 8	28 / 26	42 / 42	
1991		3 / 3	-	2 / 2	1 / 1	2 / 2	1 / 1	-	-	1 / 1	8 / 8	8 / 8	28 / 28	44 / 44	
MO		1983	6 / 6	4 / 4	-	12 / 12	4 / 4	-	5 / 6	-	4 / 4	66 / 68	34 / 34	-	100 / 102
	1984	7 / (d)	4 / 4	-	13 / (d)	4 / 4	-	6 / (d)	-	4 / 4	71 / 72	33 / 33	-	104 / 105	
	1985	7 / 7	4 / 4	-	13 / 13	4 / 4	-	7 / 7	-	4 / 4	71 / 71	33 / 33	-	104 / 104	
	1986	7 / 7	4 / 4	-	13 / 13	4 / 4	-	7 / 7	-	4 / 4	72 / 73	33 / 27	-	105 / 100	
	1987	7 / 7	4 / 4	-	13 / 13	4 / 4	-	7 / 7	-	4 / 4	71 / 67	30 / 26	-	101 / 93	
	1988	7 / 7	4 / 4	1 / 1	12 / 12	4 / 4	5 / 5	6 / 6	-	4 / 4	67 / 58	27 / 27	19 / 18	103 / 104	
	1989	7 / 7	4 / 4	1 / 1	12 / 12	4 / 4	3 / 3	6 / 6	-	4 / 4	68 / 54	27 / 27	26 / 25	109 / 108	
	1990	7 / 7	4 / 4	1 / 1	13 / 13	4 / 4	2 / 2	6 / 6	-	4 / 4	67 / 56	27 / 27	20 / 25	104 / 108	
	1991	7 / 7	4 / 4	1 / 1	13 / 13	4 / 4	2 / 2	6 / 6	-	4 / 4	67 / 60	27 / 28	20 / 23	104 / 111	

TABLE 19. Region VII Summary of SLAMS, NAMS, and SPM by State and Pollutant, 1983-1991
(continued)

Dec 1991

State	Year Ending Dec 31	CO			O3			NO2				Subtotal			Totals
		SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c		
NE	1983	4 / 4 ^c	-	-	2 / 2	2 / 2	-	-	-	-	-	41 / 41 ^c	11 / 11	-	52 / 52
	1984	4 / (d)	-	-	2 / (d)	2 / 2	-	-	-	-	-	38 / 38	11 / 11	-	49 / 49
	1985	3 / 4	-	-	2 / 2	2 / 2	-	-	-	-	-	38 / 39	11 / 11	-	49 / 50
	1986	2 / 2	2 / 2	-	2 / 2	2 / 2	-	-	-	-	-	36 / 36	10 / 9	-	46 / 45
	1987	2 / 2	2 / 2	-	2 / 2	2 / 2	-	-	-	-	-	41 / 38	10 / 9	-	51 / 47
	1988	2 / 2	2 / 2	-	2 / 2	2 / 2	-	-	-	-	-	42 / 41	9 / 9	4 / 4	55 / 54
	1989	2 / 2	2 / 2	-	2 / 2	2 / 2	-	-	-	-	-	41 / 42	9 / 9	4 / 4	54 / 55
	1990	2 / 2	2 / 2	-	2 / 2	2 / 2	-	-	-	-	-	39 / 39	9 / 9	10 / 10	58 / 58
	1991	2 / 2	2 / 2	-	2 / 2	2 / 2	-	-	-	-	-	40 / 41	9 / 9	10 / 11	59 / 61
	Regional	1983	18 / 18	4 / 4	-	18 / 18	11 / 11	-	6 / 7 ^c	0 / 1 ^c	4 / 4	-	173 / 179	78 / 78	-
Total	1984	18 / (d)	4 / 4	-	20 / (d)	11 / 11	-	7 / (d)	-	4 / 4	-	175 / 181	77 / 77	-	252 / 258
	1985	17 / 18	4 / 4	-	19 / 19	11 / 11	-	6 / 8	1 / 1	4 / 4	-	170 / 172	77 / 77	-	247 / 249
	1986	17 / 17	6 / 6	-	19 / 19	11 / 11	-	7 / 8	-	4 / 4	-	173 / 175	78 / 81	-	249 / 228
	1987	18 / 18	6 / 6	-	20 / 20	11 / 11	-	8 / 8	-	4 / 4	-	186 / 193	87 / 82	-	263 / 245
	1988	17 / 18	6 / 6	2 / 2	18 / 18	11 / 11	6 / 5	7 / 7	-	4 / 4	1 / 1	178 / 170	83 / 83	41 / 38	272 / 261
	1989	17 / 17	6 / 6	3 / 3	18 / 18	11 / 11	4 / 4	7 / 6	-	4 / 4	2 / 2	169 / 167	83 / 83	68 / 64	280 / 276
	1990	17 / 17	6 / 6	1 / 1	19 / 19	11 / 11	2 / 2	6 / 6	-	4 / 4	3 / 3	161 / 160	83 / 83	63 / 63	267 / 271
	1991	17 / 17	6 / 6	3 / 3	18 / 18	11 / 11	4 / 4	6 / 6	-	4 / 4	3 / 3	181 / 168	83 / 84	71 / 75	275 / 284
Grand	1983		22 / 22			29 / 29				10 / 12					251 / 257
Total	1984		22 / (d)			31 / (d)				11 / (d)					252 / 258
(SLAMS +	1985		21 / 23			30 / 30				12 / 13					247 / 249
NAMS +	1986		23 / 23			30 / 30				11 / 12					249 / 228
SPM)	1987		24 / 28			31 / 31				12 / 12					263 / 245
	1988		25 / 24			35 / 34				12 / 12					272 / 261
	1989		26 / 26			33 / 33				13 / 12					280 / 276
	1990		24 / 24			32 / 32				13 / 13					267 / 271
	1991		26 / 28			33 / 33				13 / 13					275 / 284

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a. Number of SLAMS monitors excluding NAMS.
 b. Number of monitors operating/required.
 c. Number of monitors operating in current year/planned during next year.
 d. Not available.

TABLE 20. Region VIII Summary of SLAMS, NAMS, and SPM by State and Pollutant, 1983-1991

Dec 1991

State	Year Ending Dec 31	TSP			PM-10			Pb			SO ₂			
		SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a continuous	SLAMS ^a bubbler	NAMS ^b	SPM ^c
CO	1983	48 / 48 ^c	12 / 12	-	-	-	-	5 / 5 ^c	2 / 2	-	-	-	2 / 2	-
	1984	60 / (d)	12 / 12	-	-	-	-	5 / (d)	2 / 2	-	-	-	2 / 2	-
	1985	34 / 34	12 / 12	-	-	-	-	4 / 4	2 / 2	-	-	-	2 / 2	-
	1986	51 / 37	12 / 12	-	-	-	-	8 / 8	2 / 2	-	-	-	2 / 2	-
	1987	11 / 10	8 / 0	-	18 / 21	0 / 8	-	3 / 3	2 / 2	-	-	-	2 / 2	-
	1988	14 / 14	-	1 / 1	24 / 23	7 / 8	2 / 2	3 / 3	2 / 2	-	-	-	2 / 2	-
	1989	11 / 11	-	6 / 6	22 / 22	8 / 8	5 / 5	2 / 2	2 / 2	1 / 1	-	-	2 / 2	-
	1990	9 / 9	-	5 / 7	28 / 30	8 / 8	2 / 2	4 / 4	2 / 2	3 / 2	-	-	2 / 2	-
	1991	3 / 3	-	6 / 8	28 / 29	7 / 8	3 / 5	4 / 4	2 / 2	2 / 2	-	-	2 / 2	-
MT	1983	8 / 8	2 / 2	-	-	-	-	5 / 5	-	-	1 / 1	1 / 1	1 / 1	-
	1984	25 / (d)	2 / 2	-	-	-	-	7 / (d)	-	-	4 / (d)	-	1 / 1	-
	1985	32 / 32	2 / 2	-	-	-	-	4 / 4	-	-	2 / 2	-	1 / 1	-
	1986	26 / 26	2 / 2	-	-	-	-	3 / 3	-	-	2 / 2	-	1 / 1	-
	1987	14 / 7	2 / 0	-	14 / 18	-	-	-	-	-	3 / 3	-	1 / 1	-
	1988	10 / 8	-	3 / 3	20 / 23	-	-	3 / 3	-	-	2 / 2	-	-	3 / 3
	1989	9 / 10	-	10 / 6	14 / 23	-	3 / 1	3 / 3	-	-	2 / 2	-	-	16 / 16
	1990	8 / 7	-	2 / 2	14 / 16	-	5 / 5	5 / 5	-	-	2 / 2	-	-	15 / 15
	1991	7 / 5	-	2 / 2	17 / 17	-	5 / 3	5 / 4	-	-	2 / 2	-	-	13 / 13
ND	1983	18 / 18	1 / 1	-	-	-	-	-	-	-	4 / 4	-	-	-
	1984	16 / (d)	1 / 1	-	-	-	-	-	-	-	4 / (d)	-	-	-
	1985	15 / 14	1 / 1	-	-	-	-	-	-	-	4 / 5	-	-	-
	1986	10 / 7	1 / 1	-	-	-	-	-	-	-	5 / 6	-	-	-
	1987	3 / 3	1 / 0	-	5 / 5	0 / 1	-	-	-	-	5 / 5	-	-	-
	1988	-	-	-	4 / 4	1 / 1	-	-	-	-	6 / 6	-	-	1 / 1
	1989	-	-	-	4 / 4	1 / 1	-	-	-	-	6 / 6	-	-	1 / 2
	1990	-	-	-	4 / 4	1 / 1	1 / 1	-	-	-	5 / 5	-	-	2 / 2
	1991	-	-	-	4 / 4	1 / 1	1 / 1	-	-	-	5 / 5	-	-	2 / 2
SD	1983	21 / 21	2 / 2	-	-	-	-	-	-	-	-	-	-	-
	1984	22 / (d)	2 / 2	-	-	-	-	-	-	-	-	-	-	-
	1985	21 / 18	2 / 2	-	-	-	-	-	-	-	-	-	-	-
	1986	12 / 12	2 / 2	-	-	-	-	-	-	-	-	-	-	-
	1987	5 / 5	2 / 0	-	3 / 3	0 / 1	-	-	-	-	-	-	-	-
	1988	5 / 3	-	2 / 0	4 / 6	-	-	-	-	-	-	-	-	-
	1989	-	-	1 / 1	5 / 6	-	-	-	-	-	-	-	-	-
	1990	-	-	1 / 0	5 / 13	-	0 / 1	-	-	-	-	-	-	-
	1991	-	-	1 / 0	6 / 9	0 / 1	0 / 1	-	-	0 / 1	-	-	-	-

TABLE 20. Region VIII Summary of SLAMS, NAMS, and SPM by State and Pollutant, 1983-1991

(continued)

Dec 1991

State	Year Ending Dec 31	TSP			PM-10			Pb			SO ₂			
		SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	continuous	bubbler	NAMS ^b	SPM ^c
UT	1983	5 / 5 ^c	8 / 8	-	-	-	-	3 / 3 ^c	2 / 2	-	4 / 4 ^c	-	2 / 2	-
	1984	6 / (d)	8 / 8	-	-	-	-	3 / (d)	2 / 2	-	5 / (d)	-	2 / 2	-
	1985	7 / 6	8 / 8	-	-	-	-	3 / 3	2 / 2	-	4 / 2	-	2 / 2	-
	1986	6 / 6	8 / 8	-	-	-	-	3 / 3	2 / 2	-	2 / 3	-	1 / 2	-
	1987	4 / 4	8 / 0	-	9 / 4	0 / 8	-	1 / 1	2 / 2	-	3 / 3	-	2 / 2	-
	1988	5 / 0	-	-	3 / 3	7 / 7	3 / 3	1 / 1	2 / 2	-	3 / 3	-	2 / 2	-
	1989	-	-	-	4 / 4	7 / 7	6 / 6	1 / 1	2 / 2	-	3 / 3	-	2 / 2	-
	1990	-	-	-	3 / 4	7 / 7	3 / 4	1 / 1	2 / 2	-	3 / 3	-	2 / 2	-
	1991	-	-	-	3 / 5	7 / 8	5 / 6	1 / 1	2 / 2	-	3 / 3	-	2 / 2	-
	WY	1983	12 / 12	1 / 1	-	-	-	-	-	-	-	-	-	-
1984		11 / (d)	1 / 1	-	-	-	-	-	-	-	-	-	-	-
1985		8 / 8	1 / 1	-	-	-	-	-	-	-	-	-	-	-
1986		7 / 7	1 / 1	-	-	-	-	-	-	-	-	-	-	-
1987		7 / 7	1 / 0	-	5 / 5	-	-	-	-	-	-	-	-	-
1988		7 / 7	-	-	8 / 8	-	-	-	-	-	-	-	-	-
1989		7 / 7	-	-	4 / 4	-	5 / 5	-	-	-	-	-	-	-
1990		7 / 7	-	-	3 / 4	-	5 / 5	-	-	-	-	-	-	-
1991		8 / 8	-	-	4 / 4	-	5 / 5	-	-	-	-	-	-	-
Regional		1983	112 / 112	26 / 26	-	-	-	-	13 / 13	4 / 4	-	9 / 9	-	5 / 5
Total	1984	140 / (d)	26 / 26	-	-	-	-	15 / (d)	4 / 4	-	12 / (d)	-	5 / 5	-
	1985	117 / 112	26 / 26	-	-	-	-	11 / 11	4 / 4	-	10 / 9	-	5 / 5	-
	1986	112 / 85	26 / 26	-	-	-	-	14 / 14	4 / 4	-	9 / 11	-	4 / 5	-
	1987	44 / 38	23 / 0	-	54 / 58	0 / 18	-	4 / 4	4 / 4	-	11 / 11	-	5 / 5	-
	1988	41 / 32	-	6 / 4	63 / 67	15 / 16	5 / 5	7 / 7	4 / 4	-	11 / 11	-	4 / 4	4 / 4
	1989	27 / 26	-	17 / 13	63 / 63	16 / 16	19 / 17	6 / 6	4 / 4	1 / 1	11 / 11	-	4 / 4	17 / 17
	1990	25 / 23	-	8 / 9	57 / 71	16 / 16	16 / 18	10 / 10	4 / 4	3 / 2	10 / 10	-	4 / 4	17 / 17
	1991	18 / 18	-	11 / 10	62 / 68	15 / 18	22 / 24	10 / 9	4 / 4	2 / 3	10 / 10	-	4 / 4	15 / 15
Grand	1983		138 / 138						17 / 17			14 / 14		
Total	1984		166 / (d)						19 / (d)			18 / (d)		
SLAMS +	1985		143 / 138						15 / 15			15 / 14		
NAMS +	1986		138 / 121						18 / 18			13 / 16		
SPM)	1987		67 / 36		54 / 74				8 / 8			16 / 16		
	1988		47 / 36		83 / 88				11 / 11			19 / 19		
	1989		44 / 41		88 / 96				11 / 11			32 / 32		
	1990		33 / 32		69 / 105				17 / 16			31 / 31		
	1991		29 / 26		99 / 110				16 / 16			29 / 29		

a. Number of SLAMS monitors excluding NAMS.
 b. Number of monitors operating/required.
 c. Number of monitors operating in current year/planned during next year.
 d. Not available.

TABLE 20. Region VIII Summary of SLAMS, NAMS, and SPM by State and Pollutant, 1983-1991

(continued)

Dec 1991

State	Year Ending Dec 31	CO			O3			NO2				Subtotal			Totals
		SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a continuous	NAMS ^b bubbler	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c		
CO	1983	11 / 11 ^e	2 / 2	-	7 / 7 ^c	4 / 4	-	2 / 2 ^c	-	2 / 2	-	73 / 73 ^e	24 / 24	-	97 / 97
	1984	11 / (d)	2 / 2	-	7 / (d)	4 / 4	-	1 / (d)	-	2 / 2	-	84 / 88	24 / 24	-	108 / 93
	1985	11 / 10	2 / 2	-	7 / 7	4 / 4	-	1 / 1	-	2 / 2	-	87 / 88	24 / 24	-	81 / 80
	1986	10 / 10	2 / 2	-	7 / 7	4 / 4	-	1 / 1	-	2 / 2	-	77 / 83	24 / 24	-	101 / 87
	1987	10 / 10	2 / 2	-	7 / 7	4 / 4	-	1 / 1	-	2 / 2	-	80 / 82	21 / 20	-	71 / 72
	1988	10 / 10	2 / 2	-	7 / 7	4 / 4	-	1 / 1	-	2 / 2	-	89 / 88	19 / 20	3 / 3	81 / 81
	1989	11 / 11	2 / 2	-	7 / 7	4 / 4	-	1 / 1	-	2 / 2	-	84 / 84	20 / 20	12 / 12	86 / 86
	1990	11 / 12	2 / 2	-	7 / 7	4 / 4	-	1 / 1	-	2 / 2	-	80 / 84	20 / 20	10 / 11	80 / 85
	1991	13 / 14	2 / 2	-	7 / 7	4 / 4	1 / 1	1 / 1	-	2 / 2	-	88 / 88	19 / 20	14 / 18	89 / 94
	MT	1983	2 / 2	-	-	-	-	-	-	-	-	-	18 / 18	3 / 3	-
1984		3 / (d)	-	-	-	-	-	-	-	-	-	39 / 38	3 / 3	-	42 / 39
1985		4 / 4	-	-	-	-	-	-	-	-	-	42 / 42	3 / 3	-	45 / 45
1986		3 / 3	-	-	-	-	-	-	-	-	-	34 / 34	3 / 3	-	37 / 37
1987		3 / 8	-	-	-	-	-	-	-	-	-	34 / 33	3 / 1	-	37 / 34
1988		4 / 4	-	-	-	-	1 / 1	-	-	-	-	39 / 40	-	7 / 7	46 / 47
1989		4 / 4	-	-	-	-	1 / 0	-	-	4 / 4	-	32 / 42	-	34 / 28	66 / 68
1990		4 / 8	-	-	-	-	-	-	-	5 / 5	-	34 / 35	-	27 / 27	61 / 62
1991		4 / 4	-	-	-	-	-	-	-	6 / 6	-	35 / 32	-	25 / 23	60 / 55
ND		1983	-	-	-	2 / 2	-	-	2 / 2	-	-	-	28 / 28	1 / 1	-
	1984	-	-	-	2 / (d)	-	-	2 / (d)	-	-	-	24 / 24	1 / 1	-	25 / 25
	1985	-	-	-	2 / 3	-	-	2 / 3	-	-	-	23 / 25	1 / 1	-	24 / 26
	1986	-	-	-	2 / 3	-	-	2 / 3	-	-	-	19 / 18	1 / 1	-	20 / 20
	1987	-	-	-	2 / 2	-	-	2 / 2	-	-	-	17 / 17	1 / 1	-	18 / 18
	1988	-	-	-	3 / 3	-	-	4 / 4	-	-	-	17 / 17	1 / 1	1 / 1	18 / 18
	1989	-	-	-	3 / 3	-	-	4 / 4	-	-	-	17 / 17	1 / 1	1 / 2	18 / 20
	1990	-	-	1 / 1	3 / 3	-	-	2 / 2	-	-	2 / 2	14 / 14	1 / 1	6 / 6	21 / 21
	1991	-	-	1 / 1	3 / 3	-	-	2 / 2	-	-	1 / 1	14 / 14	1 / 1	5 / 5	20 / 20
	SD	1983	-	-	-	-	-	-	-	-	-	-	21 / 21	2 / 2	-
1984		-	-	-	-	-	-	-	-	-	-	22 / 22	2 / 2	-	24 / 24
1985		-	-	-	-	-	-	-	-	-	-	21 / 18	2 / 2	-	23 / 20
1986		-	-	-	-	-	-	-	-	-	-	12 / 12	2 / 2	-	14 / 14
1987		-	-	-	-	-	-	-	-	-	-	8 / 8	2 / 1	-	10 / 9
1988		-	-	-	-	-	-	-	-	-	-	9 / 9	-	2 / 0	11 / 9
1989		-	-	0 / 1	-	-	-	-	-	-	-	5 / 6	-	1 / 2	6 / 8
1990		-	-	-	-	-	-	-	-	-	-	5 / 13	-	1 / 1	6 / 14
1991		-	-	-	-	-	-	-	-	-	-	6 / 9	0 / 1	1 / 2	7 / 12

TABLE 20. Region VIII Summary of SLAMS, NAMS, and SPM by State and Pollutant, 1983-1991
(continued)

Dec 1991

State	Year Ending Dec 31	CO			O3			NO2			Subtotal			Totals	
		SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a continuous	SLAMS ^a bubble	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b		SPM ^c
UT	1983	7 / 7 ^c	2 / 2	-	4 / 4 ^c	2 / 2	-	3 / 3 ^c	-	-	-	28 / 28 ^c	16 / 16	-	42 / 42
	1984	8 / (d)	2 / 2	-	3 / (d)	2 / 2	-	3 / (d)	-	-	-	28 / 28	16 / 16	-	42 / 42
	1985	8 / 8	2 / 2	-	4 / 3	2 / 2	-	3 / 3	-	-	-	27 / 23	16 / 16	-	43 / 39
	1986	8 / 8	2 / 2	-	3 / 3	2 / 2	-	3 / 3	-	-	-	23 / 24	16 / 16	-	38 / 40
	1987	8 / 8	2 / 2	-	3 / 3	2 / 2	-	3 / 3	-	-	-	28 / 23	16 / 16	-	44 / 39
	1988	8 / 8	2 / 2	-	3 / 3	2 / 4	-	3 / 3	-	-	-	24 / 19	16 / 17	3 / 3	42 / 38
	1989	8 / 8	2 / 2	-	3 / 3	2 / 4	-	3 / 3	-	-	1 / 1	18 / 18	16 / 17	7 / 7	41 / 43
	1990	8 / 8	2 / 2	1 / 1	3 / 3	2 / 4	-	3 / 3	-	-	1 / 1	18 / 20	16 / 17	6 / 6	38 / 43
	1991	8 / 8	2 / 2	4 / 4	3 / 3	2 / 8	-	4 / 4	-	-	-	19 / 22	16 / 20	8 / 10	43 / 62
WY	1983	-	-	-	-	-	-	-	-	-	-	12 / 12	1 / 1	-	13 / 13
	1984	-	-	-	-	-	-	-	-	-	-	11 / 11	1 / 1	-	12 / 12
	1985	-	-	-	-	-	-	-	-	-	-	8 / 8	1 / 1	-	9 / 9
	1986	-	-	-	-	-	-	-	-	-	-	7 / 7	1 / 1	-	8 / 8
	1987	-	-	-	-	-	-	-	-	-	-	12 / 12	1 / 0	-	13 / 12
	1988	-	-	-	-	-	-	-	-	-	-	16 / 16	-	-	16 / 16
	1989	-	-	-	-	-	-	-	-	-	-	11 / 11	-	5 / 5	16 / 16
	1990	-	-	-	-	-	-	-	-	-	-	10 / 11	-	5 / 5	15 / 16
	1991	-	-	-	-	-	-	-	-	-	-	12 / 12	-	8 / 8	20 / 20
Regional Total	1983	20 / 20	4 / 4	-	13 / 13	8 / 8	-	7 / 7	-	2 / 2	-	174 / 174	47 / 47	-	221 / 221
1984	20 / (d)	4 / 4	-	12 / (d)	8 / 8	-	8 / (d)	-	2 / 2	-	208 / 188	47 / 47	-	253 / 235	
1985	21 / 20	4 / 4	-	13 / 13	8 / 8	-	8 / 7	-	2 / 2	-	178 / 172	47 / 47	-	225 / 218	
1986	19 / 18	4 / 4	-	12 / 13	8 / 8	-	8 / 7	-	2 / 2	-	172 / 159	46 / 47	-	218 / 206	
1987	18 / 20	4 / 4	-	12 / 12	8 / 8	-	8 / 8	-	2 / 2	-	148 / 145	44 / 38	-	193 / 184	
1988	20 / 20	4 / 4	-	13 / 13	8 / 8	1 / 1	8 / 8	-	2 / 2	-	163 / 168	38 / 38	16 / 14	214 / 210	
1989	20 / 20	4 / 4	0 / 1	13 / 13	8 / 8	4 / 0	8 / 8	-	2 / 2	5 / 5	138 / 148	38 / 38	80 / 54	234 / 241	
1990	20 / 24	4 / 4	2 / 2	13 / 13	8 / 8	0 / 0	8 / 8	-	2 / 2	8 / 8	141 / 157	38 / 38	54 / 58	231 / 251	
1991	22 / 24	4 / 4	8 / 8	13 / 13	8 / 10	1 / 1	7 / 7	-	2 / 2	8 / 8	142 / 147	35 / 42	62 / 64	238 / 253	
Grand Total	1983		24 / 24			19 / 19				8 / 8			221 / 221		
1984			24 / (d)			18 / (d)				8 / (d)			253 / 235		
SLAMS + 1985			25 / 24			19 / 19				8 / 8			225 / 219		
NAMS + 1986			23 / 23			18 / 18				8 / 8			218 / 208		
SPM) 1987			22 / 24			18 / 18				8 / 8			193 / 184		
1988			24 / 24			20 / 22				10 / 10			214 / 210		
1989			24 / 25			20 / 21				15 / 15			234 / 241		
1990			26 / 30			19 / 21				16 / 16			231 / 251		
1991			31 / 33			20 / 24				16 / 16			238 / 253		

a. Number of SLAMS monitors excluding NAMS.
 b. Number of monitors operating/required.
 c. Number of monitors operating in current year/planned during next year.
 d. Not available.

TABLE 21. Region IX Summary of SLAMS, NAMS, and SPM by State and Pollutant, 1983-1991

Dec 1991

State	Year Ending Dec 31	TSP			PM-10			Pb			SO2			
		SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	BLAMS ^a continuous	BLAMS ^a bubbler	NAMS ^b	SPM ^c
AZ	1983	33 / 35 ^c	8 / 8	-	-	-	-	14 / 14 ^c	2 / 2	-	11 / 11 ^c	-	2 / 2	-
	1984	32 / (d)	8 / 8	-	-	-	-	10 / (d)	2 / 2	-	8 / (d)	-	2 / 2	-
	1985	30 / 30	8 / 8	-	-	-	-	17 / 17	2 / 2	-	7 / 7	-	2 / 2	-
	1986	27 / 27	8 / 8	-	-	-	-	7 / 7	2 / 2	-	7 / 7	-	1 / 1	-
	1987	27 / 14	8 / 0	-	22 / 18 ^c	0 / 7	-	7 / 7	2 / 2	-	7 / 7	-	2 / 2	-
	1988	-	-	-	13 / 13	7 / 8	-	3 / 3	2 / 2	-	6 / 6	-	2 / 2	-
	1989	-	-	-	12 / 13	7 / 8	-	2 / 3	2 / 2	-	6 / 4	-	1 / 1	-
	1990	-	-	5 / 5	18 / 18	8 / 8	-	2 / 2	2 / 2	-	4 / 4	-	1 / 1	-
	1991	-	-	8 / 5	19 / 19	8 / 8	1 / 1	2 / 2	2 / 2	0 / 1	5 / 3	-	1 / 1	-
CA	1983	78 / 78	48 / 48	-	-	-	-	62 / 62	12 / 12	-	46 / 46	-	8 / 8	-
	1984	78 / (d)	48 / 48	-	-	-	-	64 / (d)	12 / 12	-	44 / (d)	-	9 / 8	-
	1985	88 / 88	48 / 48	-	-	-	-	68 / 68	12 / 12	-	47 / 47	-	10 / 10	-
	1986	88 / 88	43 / 43	-	-	-	-	66 / 65	13 / 13	-	50 / 50	-	10 / 10	-
	1987	88 / 123	41 / 0	-	84 / 71	0 / 23	-	33 / 33	12 / 13	-	44 / 44	-	8 / 10	-
	1988	68 / 68	1 / 1	1 / 1	77 / 80	26 / 28	5 / 8	27 / 24	12 / 12	3 / 3	43 / 43	-	8 / 10	14 / 14
	1989	68 / 68	1 / 1	1 / 1	78 / 83	27 / 28	10 / 10	31 / 28	12 / 12	2 / 2	43 / 43	-	12 / 12	12 / 14
	1990	67 / 67	-	1 / 1	68 / 69	26 / 28	20 / 20	23 / 29	12 / 12	3 / 3	29 / 29	-	11 / 11	13 / 13
	1991	1 / 1	-	-	69 / 76	26 / 28	4 / 3	17 / 17	12 / 12	5 / 4	32 / 33	-	11 / 11	-
Guam	1983	4 / 4	-	-	-	-	-	-	-	-	-	4 / 4 ^c	-	
	1984	4 / (d)	-	-	-	-	-	-	-	-	1 / (d)	3 / (d)	-	
	1985	4 / 4	-	-	-	-	-	-	-	-	1 / 1	3 / 3	-	
	1986	4 / 4	-	-	-	-	-	-	-	-	1 / 1	3 / 3	-	
	1987	4 / 4	-	-	0 / 4	-	-	-	-	-	1 / 1	3 / 3	-	
	1988	-	-	-	4 / 4	-	-	-	-	-	2 / 2	3 / 3	-	
	1989	-	-	-	4 / 4	-	-	-	-	-	2 / 2	3 / 3	-	
	1990	-	-	-	4 / 4	-	-	-	-	-	2 / 2	-	-	
1991	-	-	-	3 / 3	-	-	-	-	-	0 / 2	-	-		
HI	1983	8 / 8	2 / 2	-	-	-	-	-	-	-	-	6 / 8	-	
	1984	8 / (d)	2 / 2	-	-	-	-	-	-	-	-	4 / (d)	-	
	1985	2 / 2	2 / 2	-	-	-	-	-	-	-	-	3 / 3	-	
	1986	2 / 2	3 / 3	-	-	-	-	-	2 / 2	-	-	2 / 3	-	
	1987	1 / 4	3 / 0	-	6 / 4	0 / 2	-	-	2 / 2	-	1 / 1	2 / 2	-	
	1988	3 / 3	-	-	4 / 4	2 / 2	-	-	2 / 2	-	1 / 1	2 / 2	-	
	1989	3 / 3	-	-	4 / 4	2 / 2	-	-	2 / 2	-	1 / 1	2 / 2	-	
	1990	3 / 3	-	-	4 / 4	2 / 2	-	-	2 / 2	-	1 / 1	2 / 2	-	
	1991	2 / 2	-	-	4 / 4	2 / 2	-	-	2 / 2	-	3 / 3	-	0 / 1	

TABLE 21. Region IX Summary of SLAMS, NAMS, and SPM by State and Pollutant, 1983-1991
(continued)

Dec 1991

State	Year Ending Dec 31	TSP			PM-10			Pb			SO2			
		SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a continuous	bubbler	NAMS ^b	SPM ^c
NV	1983	33 / 36 ^c	5 / 5	-	-	-	-	-	-	-	1 / 1 ^o	-	-	-
	1984	30 / (d)	5 / 5	-	-	-	-	-	-	-	-	-	-	-
	1985	28 / 28	5 / 5	-	-	-	-	-	-	-	-	-	-	-
	1986	14 / 14	5 / 5	-	-	-	-	-	-	-	-	-	-	-
	1987	14 / 5	5 / 0	-	7 / 6	0 / 4	-	-	-	-	-	-	-	-
	1988	8 / 8	-	1 / 1	7 / 7	5 / 5	2 / 2	-	-	-	-	-	-	-
	1989	5 / 7	-	1 / 1	7 / 6	5 / 5	2 / 2	-	-	-	-	-	-	-
	1990	5 / 5	-	1 / 1	7 / 7	5 / 5	2 / 2	-	-	-	-	-	-	-
	1991	5 / 5	-	1 / 0	7 / 9	5 / 5	1 / 1	0 / 2	-	-	0 / 2	-	-	-
Regional	1983	154 / 158	62 / 62	-	-	-	66 / 66	14 / 14	-	67 / 67	12 / 12	11 / 11	-	
Total	1984	150 / (d)	62 / 62	-	-	-	73 / (d)	14 / 14	-	63 / (d)	7 / (d)	11 / 11	-	
	1985	152 / 152	61 / 61	-	-	-	75 / 75	14 / 14	-	65 / 65	6 / 6	12 / 12	-	
	1986	132 / 132	59 / 59	-	-	-	62 / 62	17 / 17	-	58 / 58	6 / 6	11 / 11	-	
	1987	121 / 150	57 / 0	-	129 / 104	0 / 36	40 / 40	16 / 17	-	63 / 62	5 / 5	10 / 12	-	
	1988	78 / 78	1 / 1	2 / 2	105 / 108	40 / 43	7 / 8	30 / 27	16 / 16	3 / 3	62 / 62	5 / 5	10 / 12 14 / 14	
	1989	75 / 75	1 / 1	2 / 2	108 / 110	41 / 43	12 / 12	33 / 32	16 / 16	2 / 2	62 / 60	5 / 5	13 / 13 12 / 14	
	1990	75 / 75	-	7 / 7	122 / 122	41 / 43	22 / 22	25 / 31	16 / 16	3 / 3	36 / 36	2 / 2	12 / 12 13 / 13	
	1991	5 / 5	-	7 / 5	102 / 110	43 / 43	6 / 5	19 / 21	16 / 16	5 / 5	40 / 43	-	12 / 12 0 / 1	
Grand	1983		216 / 220					80 / 80			80 / 80			
Total	1984		212 / (d)					87 / (d)			71 / (d)			
(SLAMS +	1985		213 / 213					89 / 89			75 / 75			
NAMS +	1986		191 / 191					79 / 79			76 / 76			
SPM)	1987		188 / 150		129 / 140			56 / 57			68 / 68			
	1988		81 / 81		152 / 159			49 / 46			61 / 63			
	1989		78 / 79		159 / 165			51 / 50			62 / 62			
	1990		82 / 82		185 / 187			44 / 50			63 / 63			
	1991		15 / 12		151 / 158			40 / 42			52 / 56			

- a. Number of SLAMS monitors excluding NAMS.
- b. Number of monitors operating/required.
- c. Number of monitors operating in current year/planned during next year.
- d. Not available.

TABLE 21. Region IX Summary of SLAMS, NAMS, and SPM by State and Pollutant, 1983-1991

(continued)

Dec 1991

State	Year Ending Dec 31	CO			O3			NO2				Subtotal			Totals
		SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a continuous	NAMS ^b bubbler	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c		
AZ	1983	11 / 11 ^o	4 / 4	-	12 / 12 ^c	4 / 4	-	2 / 2 ^o	-	2 / 2	-	83 / 85 ^o	23 / 23	-	106 / 106
	1984	11 / (d)	4 / 4	-	12 / (d)	4 / 4	-	2 / (d)	-	2 / 2	-	84 / 85	23 / 23	-	107 / 108
	1985	11 / 11	4 / 4	-	12 / 12	4 / 4	-	2 / 2	-	2 / 2	-	79 / 79	23 / 23	-	102 / 102
	1986	10 / 10	4 / 4	-	10 / 10	4 / 4	-	1 / 1	-	2 / 2	-	82 / 82	21 / 21	-	83 / 83
	1987	9 / 9	4 / 4	-	9 / 9	3 / 4	-	1 / 1	-	2 / 2	-	82 / 86	21 / 21	-	103 / 86
	1988	10 / 12	4 / 4	-	10 / 11	3 / 4	-	1 / 1	-	2 / 2	-	43 / 46	20 / 22	-	63 / 68
	1989	10 / 12	4 / 4	-	11 / 11	4 / 4	-	1 / 1	-	2 / 2	-	42 / 44	20 / 21	-	62 / 65
	1990	10 / 11	4 / 4	2 / 2	10 / 10	4 / 4	4 / 4	3 / 3	-	2 / 2	1 / 1	47 / 48	21 / 21	12 / 12	80 / 81
	1991	8 / 9	4 / 4	5 / 6	10 / 10	4 / 4	2 / 3	3 / 3	-	2 / 2	-	47 / 46	21 / 21	14 / 16	82 / 83
CA	1983	62 / 62	12 / 12	-	101 / 101	19 / 19	-	66 / 66	-	10 / 10	-	393 / 393	108 / 108	-	501 / 501
	1984	67 / (d)	12 / 12	-	97 / (d)	19 / 19	-	67 / (d)	-	10 / 10	-	384 / 386	108 / 108	-	492 / 493
	1985	63 / 63	12 / 12	-	105 / 105	19 / 19	-	63 / 63	-	10 / 10	-	424 / 424	108 / 108	-	532 / 532
	1986	66 / 66	12 / 12	-	100 / 100	19 / 19	-	64 / 64	-	11 / 11	-	420 / 420	108 / 108	-	528 / 528
	1987	68 / 65	12 / 12	-	100 / 100	17 / 19	-	62 / 62	-	10 / 11	-	483 / 488	100 / 88	-	583 / 586
	1988	68 / 64	10 / 12	13 / 13	102 / 102	17 / 19	20 / 20	63 / 62	-	10 / 10	10 / 10	443 / 441	84 / 92	66 / 67	583 / 600
	1989	68 / 68	12 / 12	8 / 14	108 / 110	19 / 19	24 / 25	64 / 64	-	10 / 10	8 / 9	458 / 463	83 / 84	66 / 75	618 / 632
	1990	67 / 67	12 / 12	10 / 10	101 / 101	18 / 18	44 / 43	67 / 67	-	10 / 10	23 / 23	443 / 448	89 / 82	114 / 113	646 / 654
	1991	67 / 67	12 / 12	1 / 1	88 / 96	19 / 19	10 / 12	69 / 69	-	10 / 10	3 / 3	363 / 366	82 / 82	23 / 23	468 / 473
Guam	1983	-	-	-	-	-	-	-	-	-	-	8 / 8	-	-	8 / 8
	1984	-	-	-	-	-	-	-	-	-	-	8 / 8	-	-	8 / 8
	1985	-	-	-	-	-	-	-	-	-	-	8 / 8	-	-	8 / 8
	1986	-	-	-	-	-	-	-	-	-	-	8 / 8	-	-	8 / 8
	1987	-	-	-	-	-	-	-	-	-	-	8 / 12	-	-	8 / 12
	1988	-	-	-	-	-	-	-	-	-	-	8 / 8	-	-	8 / 8
	1989	-	-	-	-	-	-	-	-	-	-	8 / 8	-	-	8 / 8
	1990	-	-	-	-	-	-	-	-	-	-	8 / 8	-	-	8 / 8
	1991	-	-	-	-	-	-	-	-	-	-	3 / 5	-	-	3 / 5
HI	1983	-	1 / 2	-	-	1 / 1	-	1 / 1	-	-	-	18 / 18	4 / 5	-	22 / 23
	1984	-	2 / 2	-	-	1 / 1	-	-	-	-	-	13 / 13	5 / 5	-	18 / 18
	1985	1 / 1	2 / 2	-	-	1 / 1	-	1 / 1	-	-	-	7 / 7	5 / 5	-	12 / 12
	1986	-	2 / 2	-	-	1 / 1	-	1 / 1	-	-	-	6 / 6	5 / 5	-	14 / 14
	1987	-	2 / 2	-	-	1 / 1	-	1 / 1	-	-	-	11 / 12	8 / 7	-	19 / 19
	1988	-	2 / 2	-	-	1 / 1	-	1 / 1	-	-	-	11 / 11	7 / 7	-	18 / 18
	1989	-	2 / 2	-	-	1 / 1	-	1 / 1	-	-	-	11 / 11	7 / 7	-	18 / 18
	1990	-	2 / 2	-	-	1 / 1	-	1 / 1	-	-	-	11 / 11	7 / 7	-	18 / 18
	1991	-	2 / 2	-	-	1 / 1	1 / 1	-	-	-	-	9 / 9	7 / 7	1 / 2	17 / 18

TABLE 21. Region IX Summary of SLAMS, NAMS, and SPM by State and Pollutant, 1983-1991
(continued)

Dec 1991

State	Year Ending Dec 31	CO			O3			NO2			Subtotal			Totals
		SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a continuous	NAMS ^b bubbler	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	
NV	1983	5 / 5 ^c	2 / 2	-	3 / 3 ^c	4 / 4	-	5 / 5 ^c	-	-	47 / 49 ^c	11 / 11	-	58 / 60
	1984	5 / (d)	2 / 2	-	2 / (d)	4 / 4	-	2 / (d)	-	-	39 / 39	11 / 11	-	50 / 50
	1985	4 / 4	2 / 2	-	2 / 2	4 / 4	-	3 / 3	-	-	37 / 37	11 / 11	-	48 / 48
	1986	4 / 4	2 / 2	-	2 / 2	5 / 5	-	3 / 3	-	-	23 / 23	12 / 12	-	35 / 35
	1987	4 / 6	2 / 2	-	3 / 3	4 / 4	-	2 / 2	-	-	30 / 22	11 / 10	-	41 / 32
	1988	6 / 7	2 / 2	-	4 / 4	4 / 4	-	2 / 2	-	-	28 / 28	11 / 11	3 / 3	42 / 43
	1989	8 / 7	2 / 2	2 / 2	4 / 4	4 / 4	2 / 2	2 / 2	-	-	27 / 26	11 / 11	7 / 7	46 / 44
	1990	8 / 7	2 / 2	2 / 2	4 / 4	4 / 4	2 / 2	4 / 4	-	2 / 2	26 / 27	11 / 11	9 / 9	46 / 47
	1991	6 / 7	2 / 2	4 / 4	4 / 6	4 / 4	1 / 1	4 / 4	-	3 / 3	26 / 34	11 / 11	10 / 9	47 / 54
Regional	1983	78 / 78	19 / 20	-	116 / 116	28 / 28	-	66 / 66	-	12 / 12	649 / 653	146 / 147	-	695 / 700
Total	1984	73 / (d)	20 / 20	-	111 / (d)	28 / 28	-	61 / (d)	-	12 / 12	628 / 630	147 / 147	-	675 / 677
	1985	79 / 79	20 / 20	-	119 / 119	28 / 28	-	69 / 69	-	12 / 12	656 / 656	147 / 147	-	702 / 702
	1986	80 / 80	20 / 20	-	112 / 112	29 / 29	-	69 / 69	-	13 / 13	619 / 619	149 / 148	-	668 / 668
	1987	78 / 80	20 / 20	-	112 / 112	28 / 28	-	68 / 68	-	12 / 13	614 / 609	140 / 128	-	764 / 735
	1988	81 / 83	18 / 20	13 / 13	116 / 117	28 / 28	20 / 20	67 / 68	-	12 / 12	634 / 636	122 / 132	68 / 70	726 / 738
	1989	86 / 87	20 / 20	10 / 16	123 / 126	28 / 28	26 / 27	68 / 68	-	12 / 12	646 / 653	131 / 133	73 / 82	762 / 768
	1990	86 / 86	20 / 20	14 / 14	115 / 116	27 / 28	50 / 49	76 / 75	-	12 / 12	636 / 641	128 / 131	136 / 134	788 / 806
	1991	81 / 83	20 / 20	10 / 11	112 / 111	28 / 28	14 / 17	76 / 76	-	12 / 12	438 / 462	131 / 131	48 / 60	617 / 633
Grand	1983		87 / 88			144 / 144			76 / 76		695 / 700			
Total	1984		83 / (d)			139 / (d)			73 / (d)		676 / 677			
SLAMS +	1985		89 / 89			147 / 147			81 / 81		702 / 702			
NAMS +	1986		100 / 100			141 / 141			82 / 82		668 / 668			
SPM)	1987		88 / 100			137 / 140			78 / 78		764 / 735			
	1988		112 / 116			161 / 165			89 / 88		726 / 738			
	1989		118 / 123			177 / 180			89 / 89		762 / 768			
	1990		119 / 119			192 / 192			113 / 113		788 / 806			
	1991		111 / 114			154 / 156			84 / 94		617 / 633			

a. Number of SLAMS monitors excluding NAMS.
 b. Number of monitors operating/required.
 c. Number of monitors operating in current year/planned during next year.
 d. Not available.

TABLE 22. Region X Summary of SLAMS, NAMS, and SPM by State and Pollutant, 1983-1991

Dec 1991

State	Year Ending Dec 31	TSP			PM-10			Pb			SO2			
		SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	
		continuous	bubbler											
AK	1983	10 / 10 ^o	3 / 3	-	-	-	-	2 / 2 ^o	-	-	-	-	-	-
	1984	11 / (d)	3 / 3	-	-	-	-	1 / (d)	-	-	-	-	-	-
	1985	12 / 12	3 / 3	-	-	-	-	2 / 2	-	-	-	-	-	-
	1986	11 / 11	3 / 3	-	-	-	-	2 / 2	-	-	-	-	-	-
	1987	10 / 4	4 / 0	-	12 / 11	0 / 2	-	2 / 2	-	-	-	-	-	-
	1988	-	-	10 / 10	10 / 11	1 / 1	-	1 / 0	-	-	-	-	-	2 / 2
	1989	-	-	-	14 / 14	1 / 1	-	-	-	-	2 / 2	-	-	-
	1990	-	-	1 / 1	13 / 13	1 / 1	1 / 1	-	-	-	2 / 2	-	-	-
	1991	-	-	1 / 1	14 / 14	1 / 1	1 / 1	-	-	-	2 / 2	-	-	1 / 1
ID	1983	16 / 16	2 / 2	-	-	-	-	5 / 5	-	-	3 / 3	-	-	-
	1984	16 / (d)	2 / 2	-	-	-	-	5 / (d)	-	-	1 / (d)	-	-	-
	1985	18 / 18	2 / 2	-	-	-	-	5 / 5	-	-	3 / 3	-	-	-
	1986	17 / 17	2 / 2	-	-	-	-	4 / 4	-	-	2 / 2	-	-	-
	1987	16 / 2	2 / 0	-	13 / 12	0 / 1	-	4 / 4	-	-	2 / 2	-	-	-
	1988	21 / 0	-	-	11 / 12	2 / 2	-	4 / 4	-	-	2 / 2	-	-	1 / 1
	1989	8 / 8	-	-	8 / 8	2 / 2	-	2 / 2	-	-	2 / 2	-	-	1 / 1
	1990	6 / 6	-	-	5 / 5	2 / 2	-	2 / 2	-	-	-	-	-	-
	1991	2 / 2	-	-	22 / 22	2 / 2	-	1 / 1	-	-	2 / 2	-	-	-
OR	1983	27 / 27	9 / 9	-	-	-	-	-	2 / 2	-	1 / 1	-	2 / 2	-
	1984	26 / (d)	9 / 9	-	-	-	-	11 / (d)	2 / 2	-	1 / (d)	-	2 / 2	-
	1985	21 / 21	9 / 9	-	-	-	-	11 / 11	2 / 2	-	-	-	2 / 2	-
	1986	21 / 21	9 / 9	-	-	-	-	11 / 11	2 / 2	-	-	-	1 / 1	-
	1987	13 / 2	9 / 0	-	22 / 16	0 / 8	-	8 / 3	2 / 2	-	-	-	1 / 1	-
	1988	8 / 0	-	6 / 6	16 / 19	4 / 8	-	10 / 3	2 / 2	-	-	-	1 / 1	1 / 1
	1989	5 / 5	-	2 / 2	16 / 16	4 / 4	-	4 / 4	2 / 2	3 / 3	-	-	1 / 1	1 / 1
	1990	-	-	7 / 7	11 / 11	2 / 3	11 / 11	3 / 3	2 / 2	1 / 1	-	-	1 / 1	-
	1991	-	-	6 / 6	12 / 12	4 / 4	27 / 27	3 / 3	2 / 2	1 / 1	-	-	1 / 1	-

TABLE 22. Region X Summary of SLAMS, NAMS, and SPM by State and Pollutant, 1983-1991

(continued)

Dec 1991

State	Year Ending Dec 31	TSP			PM-10			Pb			SO2			
		SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a continuous	SLAMS ^a bubbler	NAMS ^b	SPM ^c
WA	1983	23 / 23 ^o	13 / 13	-	-	-	-	7 / 7 ^c	2 / 2	-	8 / 8 ^c	-	3 / 3	-
	1984	23 / (d)	13 / 13	-	-	-	-	7 / (d)	2 / 2	-	8 / (d)	-	3 / 3	-
	1985	27 / 27	13 / 13	-	-	-	-	7 / 7	2 / 2	-	7 / 7	-	2 / 3	-
	1986	33 / 33	13 / 13	-	-	-	-	5 / 5	2 / 2	-	6 / 6	-	3 / 3	-
	1987	66 / 37	10 / 0	-	22 / 16	0 / 7	-	7 / 7	2 / 2	-	13 / 13	-	2 / 2	-
	1988	71 / 37	-	1 / 1	13 / 17	13 / 13	-	6 / 6	2 / 2	-	11 / 11	-	3 / 3	-
	1989	28 / 16	-	1 / 1	17 / 17	13 / 13	-	2 / 2	2 / 2	-	7 / 7	-	3 / 3	3 / 0
	1990	10 / 10	-	-	17 / 17	12 / 13	6 / 6	1 / 1	1 / 2	-	8 / 8	-	3 / 3	2 / 2
	1991	6 / 6	-	1 / 1	15 / 14	12 / 13	6 / 6	1 / 1	1 / 2	-	9 / 8	-	3 / 3	1 / 1
Regional Total	1983	76 / 76	27 / 27	-	-	-	-	14 / 14	4 / 4	-	12 / 12	-	5 / 5	-
	1984	76 / (d)	27 / 27	-	-	-	-	24 / (d)	4 / 4	-	10 / (d)	-	5 / 5	-
	1985	78 / 78	27 / 27	-	-	-	-	26 / 26	4 / 4	-	10 / 10	-	5 / 5	-
	1986	82 / 82	27 / 27	-	-	-	-	22 / 22	4 / 4	-	8 / 8	-	4 / 4	-
	1987	107 / 46	26 / 0	-	69 / 55	0 / 16	-	18 / 18	4 / 4	-	16 / 16	-	3 / 3	-
	1988	100 / 37	-	17 / 17	50 / 59	20 / 21	-	21 / 13	4 / 4	-	13 / 13	-	4 / 4	4 / 4
	1989	41 / 28	-	3 / 3	55 / 55	20 / 20	-	8 / 8	4 / 4	3 / 3	11 / 11	-	4 / 4	6 / 2
	1990	16 / 16	-	8 / 8	46 / 46	17 / 18	18 / 18	6 / 6	3 / 4	1 / 1	10 / 10	-	4 / 4	2 / 2
	1991	8 / 8	-	7 / 7	63 / 62	19 / 20	34 / 34	6 / 5	3 / 4	1 / 1	13 / 13	-	4 / 4	2 / 2
	Grand Total	1983	-	103 / 103	-	-	-	-	-	18 / 18	-	-	17 / 17	-
1984		-	102 / (d)	-	-	-	-	-	28 / (d)	-	-	15 / (d)	-	
1985		-	106 / 106	-	-	-	-	-	29 / 29	-	-	15 / 15	-	
1986		-	109 / 109	-	-	-	-	-	26 / 26	-	-	12 / 12	-	
1987		-	132 / 45	-	69 / 71	-	-	22 / 20	-	-	18 / 16	-	-	
1988		-	117 / 64	-	70 / 80	-	-	25 / 17	-	-	21 / 21	-	-	
1989		-	44 / 31	-	75 / 75	-	-	15 / 15	-	-	20 / 17	-	-	
1990		-	24 / 24	-	81 / 83	-	-	10 / 11	-	-	18 / 18	-	-	
1991		-	15 / 15	-	116 / 116	-	-	9 / 10	-	-	19 / 19	-	-	

a. Number of SLAMS monitors excluding NAMS.

b. Number of monitors operating/required.

c. Number of monitors operating in current year/planned during next year.

d. Not available.

TABLE 22. Region X Summary of SLAMS, NAMS, and SPM by State and Pollutant, 1983-1991
(continued)

Dec 1991

State	Year Ending Dec 31	CO			O3			NO2			Subtotal			Totals
		SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a continuous	NAMS ^b bubbler	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	
AK	1983	6 / 6 ^c	-	-	-	-	-	-	-	-	17 / 17 ^c	3 / 3	-	20 / 20
	1984	6 / (d)	-	-	-	-	-	-	-	-	17 / 17	3 / 3	-	20 / 20
	1985	6 / 6	-	-	-	-	-	-	-	-	20 / 20	3 / 3	-	23 / 23
	1986	6 / 6	-	-	-	-	-	-	-	-	18 / 18	3 / 3	-	22 / 22
	1987	8 / 8	-	-	-	-	-	-	-	-	32 / 26	4 / 2	-	36 / 27
	1988	7 / 7	-	1 / 1	-	-	-	-	-	-	18 / 18	1 / 1	13 / 13	32 / 32
	1989	7 / 7	-	2 / 1	-	-	1 / 1	1 / 1	-	-	24 / 24	1 / 1	3 / 2	28 / 27
	1990	6 / 6	-	1 / 1	-	-	1 / 1	1 / 1	-	-	21 / 21	1 / 1	4 / 4	26 / 26
	1991	7 / 7	-	2 / 2	-	-	1 / 1	1 / 1	-	-	24 / 24	1 / 1	7 / 7	32 / 32
ID	1983	2 / 2	-	-	-	-	-	-	-	-	28 / 28	2 / 2	-	28 / 28
	1984	2 / (d)	-	-	-	-	-	-	-	-	24 / 24	2 / 2	-	26 / 26
	1985	2 / 2	-	-	-	-	-	-	-	-	28 / 28	2 / 2	-	30 / 30
	1986	2 / 2	-	-	-	-	-	-	-	-	26 / 26	2 / 2	-	27 / 27
	1987	2 / 2	-	-	-	0 / 1	-	-	-	-	40 / 22	2 / 2	-	42 / 24
	1988	2 / 2	-	-	-	0 / 1	-	-	-	-	40 / 20	2 / 2	1 / 1	43 / 23
	1989	1 / 2	-	-	-	-	1 / 1	-	-	-	21 / 22	2 / 2	2 / 3	26 / 26
	1990	1 / 1	-	-	-	-	2 / 2	-	-	-	14 / 14	2 / 2	2 / 2	18 / 18
	1991	1 / 1	-	-	-	0 / 1	2 / 1	-	-	-	28 / 28	2 / 3	2 / 1	32 / 32
OR	1983	6 / 6	2 / 2	-	3 / 3 ^c	2 / 2	-	1 / 1	-	-	37 / 37	17 / 17	-	54 / 54
	1984	6 / (d)	2 / 2	-	3 / (d)	2 / 2	-	1 / (d)	-	-	48 / 46	17 / 17	-	63 / 63
	1985	6 / 6	2 / 2	-	4 / 4	2 / 2	-	1 / 1	-	-	43 / 43	17 / 17	-	60 / 60
	1986	6 / 6	2 / 2	-	4 / 4	2 / 2	-	1 / 1	-	-	43 / 43	18 / 18	-	61 / 61
	1987	6 / 8	2 / 2	-	4 / 4	2 / 2	-	1 / 1	-	-	51 / 34	18 / 13	-	67 / 47
	1988	7 / 7	1 / 2	6 / 6	3 / 4	2 / 2	4 / 4	1 / 1	-	-	46 / 34	10 / 14	17 / 17	72 / 65
	1989	6 / 7	2 / 2	4 / 2	3 / 3	2 / 2	3 / 3	-	-	1 / 2	33 / 35	12 / 13	14 / 12	59 / 60
	1990	6 / 6	2 / 2	6 / 6	3 / 3	2 / 2	3 / 3	-	-	1 / 2	22 / 22	10 / 12	27 / 27	59 / 61
	1991	6 / 6	2 / 2	6 / 6	3 / 3	2 / 2	2 / 2	-	-	1 / 1	24 / 24	12 / 12	40 / 40	76 / 76

TABLE 22. Region X Summary of SLAMS, NAMS, and SPM by State and Pollutant, 1983-1991

(continued)

Dec 1991

State	Year Ending Dec 31	CO			O3			NO2			Subtotal			Totals	
		SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c	SLAMS ^a	NAMS ^b	SPM ^c		
WA	1983	14 / 14 ^o	2 / 2	-	4 / 4 ^c	5 / 5	-	-	-	2 / 2	-	56 / 56 ^o	27 / 27	-	83 / 83
	1984	14 / (d)	2 / 2	-	4 / (d)	5 / 5	-	-	-	2 / 2	-	58 / 58	27 / 27	-	85 / 85
	1985	13 / 13	2 / 2	-	4 / 4	5 / 5	-	-	-	2 / 2	-	58 / 58	27 / 27	-	85 / 85
	1986	12 / 12	2 / 2	-	4 / 4	5 / 5	-	-	-	2 / 2	-	60 / 60	27 / 27	-	87 / 87
	1987	18 / 18	1 / 2	-	6 / 6	3 / 4	-	-	-	1 / 2	-	121 / 121	97 / 10	-	160 / 116
	1988	16 / 17	1 / 2	-	4 / 6	3 / 5	-	-	-	0 / 2	-	121 / 94	23 / 27	1 / 1	144 / 122
	1989	17 / 17	1 / 2	1 / 1	2 / 2	3 / 5	3 / 3	-	-	0 / 2	-	73 / 60	22 / 27	8 / 5	103 / 92
	1990	16 / 16	1 / 2	4 / 4	3 / 3	1 / 5	6 / 6	-	-	0 / 2	-	48 / 48	18 / 27	18 / 18	85 / 84
	1991	8 / 8	1 / 1	3 / 3	3 / 3	1 / 4	5 / 2	-	-	-	-	42 / 41	18 / 23	18 / 18	78 / 77
Regional Total	1983	26 / 26	4 / 4	-	7 / 7	7 / 7	-	1 / 1	-	2 / 2	-	138 / 138	48 / 48	-	186 / 186
	1984	26 / (d)	4 / 4	-	7 / (d)	7 / 7	-	1 / (d)	-	2 / 2	-	143 / 143	48 / 48	-	192 / 192
	1985	27 / 27	4 / 4	-	8 / 8	7 / 7	-	1 / 1	-	2 / 2	-	149 / 148	48 / 48	-	198 / 198
	1986	26 / 26	4 / 4	-	8 / 8	7 / 7	-	1 / 1	-	2 / 2	-	147 / 147	48 / 48	-	195 / 195
	1987	34 / 38	3 / 4	-	10 / 10	5 / 7	-	1 / 1	-	1 / 2	-	254 / 176	41 / 38	-	295 / 214
	1988	32 / 33	2 / 4	7 / 7	7 / 10	5 / 8	4 / 4	1 / 1	-	0 / 4	-	214 / 188	35 / 44	32 / 32	291 / 242
	1989	30 / 33	3 / 4	7 / 4	6 / 5	6 / 7	8 / 6	1 / 1	-	1 / 4	1 / 1	151 / 141	37 / 43	27 / 21	215 / 205
	1990	31 / 21	3 / 4	10 / 10	6 / 5	3 / 7	12 / 12	1 / 1	-	1 / 4	-	106 / 106	31 / 43	51 / 51	188 / 188
	1991	22 / 22	3 / 3	10 / 10	6 / 6	3 / 7	10 / 6	1 / 1	-	1 / 1	1 / 1	118 / 117	33 / 38	66 / 61	218 / 217
Grand Total	1983		30 / 30			14 / 14				3 / 3					155 / 155
	1984		30 / (d)			14 / (d)				3 / (d)					182 / 182
SLAMS +	1985		31 / 31			15 / 15				3 / 3					198 / 198
NAMS +	1986		30 / 30			15 / 15				3 / 3					195 / 195
SPM)	1987		37 / 40			15 / 17				2 / 3					295 / 214
	1988		41 / 44			18 / 22				1 / 5					291 / 242
	1989		40 / 41			18 / 20				3 / 5					215 / 205
	1990		34 / 35			21 / 25				2 / 5					188 / 188
	1991		35 / 35			19 / 19				3 / 3					218 / 217

- a. Number of SLAMS monitors excluding NAMS.
- b. Number of monitors operating/required.
- c. Number of monitors operating in current year/planned during next year.
- d. Not available.