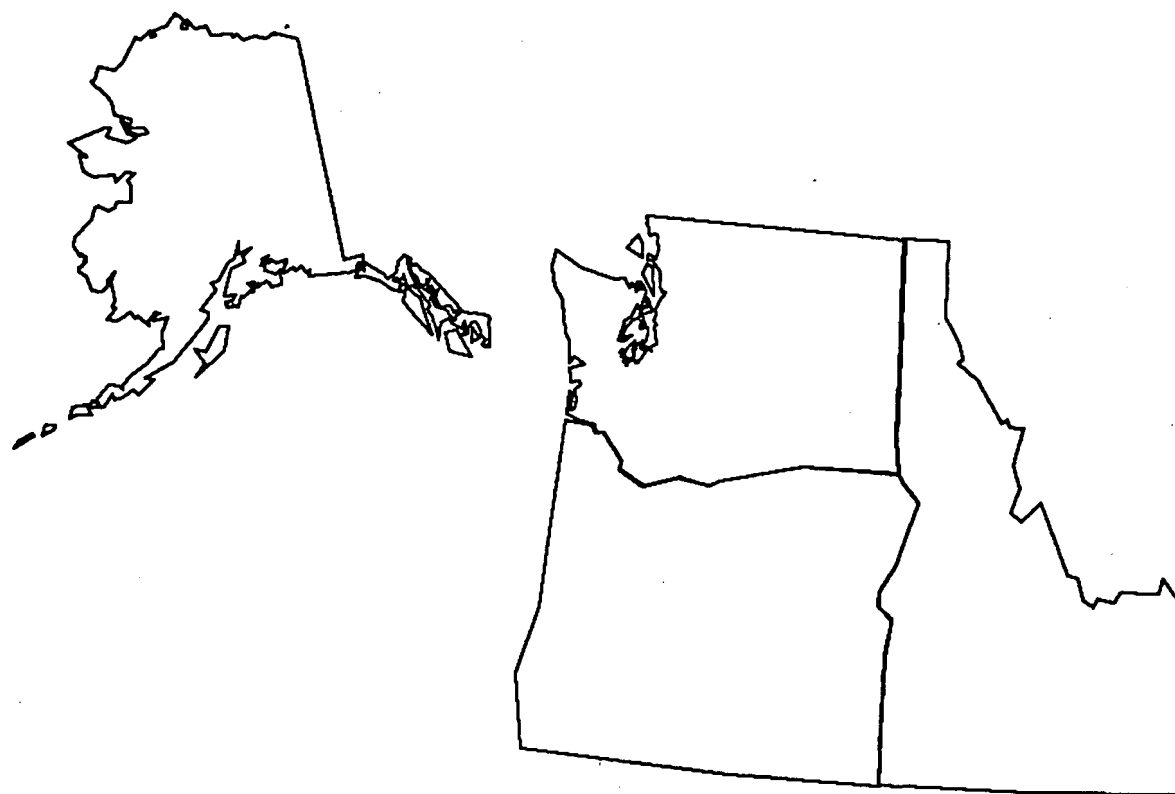




**Region 10 Air Quality Status Report**  
**QUARTER 3, 1991**  
**(July 1 - September 30, 1991)**



EPA REGION 10  
AIR QUALITY STATUS REPORT: QUARTER 3, 1991  
(JULY 1, - SEPTEMBER 30, 1991)

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## INTRODUCTION

This report is a brief summary of third quarter, 1991 criteria pollutant data reported by each state in EPA/Region 10. The report is comprised of graphical displays highlighting air quality indicators for each pollutant state by state coupled with a short narrative description of the graphics. The report does not attempt to classify or reclassify attainment/nonattainment areas. The report displays air quality data which can be used to determine whether or not an area is in attainment of air quality standards. Most of the displays in this report only show third quarter statistics. The only graphs which can be used for determining attainment/nonattainment are the ozone graphs. Ozone attainment status graphs were included in this report because the Region 10 ozone season is normally over by the end of September although it is considered to run through October.

The report also displays the timeliness and completeness of state data submissions, shows any changes in state air monitoring networks, and lists special monitoring activities.

## STATUS OF STATE DATA SUBMISSIONS

Figure 1 shows the timeliness of air data submissions to EPA. State/EPA Agreement (SEA) guidelines require states to submit data to the AIRS system within 90 days from the end of the quarter. The data must be completely updated and all anomalies resolved within 120 days. In addition all requests for concurrence with flagging of exceptional events should be received by this time. Figure 1 shows the status of air quality submissions as of March 1, 1992. The graph shows that Alaska and Oregon were very timely in their submissions, Washington was several days late, and no third quarter data were received from Idaho as March 1, 1992.

Figure 2 shows the timeliness of submissions of the Annual State and Local Air Monitoring System (SLAMS) report for entire year of 1990 data. This report is due July 1 of every year for the previous year data. This report is the final verification by each state that the entire year is correct and complete in the AIRS data system. Data should not be used for attainment/nonattainment determinations until data have been signed off as being correct through the SLAMS report. Figure 2 shows that no states were on time with this report. Alaska and Oregon sent in the report within about a month of the deadline, Washington was over two months late and as March 1, 1992 no report has been received from Idaho.

Figure 3 shows the timeliness of receipt of the annual point source emission inventory report for 1990 as of March 1, 1992. This report is due to the AIRS AFS system by July 1, 1991. Oregon is the only state that has sent a complete 1990 emission inventory to the AIRS system. Data for 1990 have been updated for the Puget Sound Air Quality Control Region for Washington. Otherwise no 1990 data are present in the system.

Figure 4 shows average percentages of data recovery for all criteria pollutants on a state by state basis. Please interpret the graphs using the following (note that site specific data recovery statistics are presented in separate graphics):

ALASKA - Figure 4 shows that the average data completeness for CO, SO<sub>2</sub>, and PM<sub>10</sub> sites was below 75 percent. This is misleading for CO and PM<sub>10</sub> because Alaska only operates these monitors during quarters one and four. SO<sub>2</sub> and NO<sub>2</sub> statistics are below 75 percent because the Bernice Lake site was discontinued following second quarter, 1991. AIRS is incorrectly computing SO<sub>2</sub> and NO<sub>2</sub> statistics because the Bernice Lake site is still listed as active.

IDAHO - No data were reported for third quarter, 1991.

OREGON - Figure 4 shows that the average data completeness for CO, and PM<sub>10</sub> monitors was below 75 percent. This is misleading because Oregon only operates some CO and PM<sub>10</sub> monitors during first and fourth quarters when PM<sub>10</sub> and CO values are normally higher.

WASHINGTON - Data completeness was greater than 75 percent for all active criteria pollutant monitors. NO<sub>2</sub> is not collected in Washington.

|                    |
|--------------------|
| AIR QUALITY STATUS |
|--------------------|

The status of air quality for third quarter is displayed on graphs for all criteria pollutants for each state except nitrogen dioxide (see later in report). Each active monitor which reported data is displayed. The city name of the monitor and the AIRS four digit site code is displayed on the X-axis. More detailed information (e.g. street address) for each monitor can be found in the detailed monitor listings in the appendix. Each graph compares pollutant concentrations to National Ambient Air Quality Standards (NAAQS) and counts the number of exceedances of NAAQS. All EPA NAAQS can be found in table 1.

## CARBON MONOXIDE (CO)

Description Figures 5 and 6 display third quarter summary statistics for Region 10 CO sites. Many CO sites are not operated during third quarter in Region 10 because high CO concentrations have been related to colder temperatures and air stagnation conditions which generally only occur during first and fourth quarters (winter fall months). The figures display the highest and second highest non-overlapping 8-hour running average CO concentration for each site. The figures also display the total number of non-overlapping exceedances of the 8-hour standard and the percent of valid data relative to all possible observations for each site.

### Results

Figures 5 and 6 show that no monitor sites exceeded CO standards during third quarter, 1991. Graphs are not displayed for Alaska because no CO sites are operated in third quarter. No data were reported for Idaho.

## PARTICULATE MATTER (PM10)

Description Figures 7 through 11 display PM10 statistics for all monitors in Region 10 for third quarter, 1991. Only data collected from reference samplers are displayed. No data and no Federally approved exceptional events are reflected in the graphics. The graphics display the first, second, third, and fourth maxima, number of exceedances of the 24-hour standard, and the percent of possible observations reported for the quarter.

Results - Figures 7 through 11 show that 24-hour PM10 standards were exceeded once for one monitor in Juneau, Alaska, for two monitors in Walla Walla, Washington, and one monitor in Kennewick, Washington. No other PM10 exceedances were measured in third quarter, 1991. No data were reported for Idaho.

## SULFUR DIOXIDE (SO2)

Description Figures 12 through 14 display SO2 statistics for all monitors in Region 10. All graphs display the 24-hour block (midnight to midnight) maximum reading and second maximum reading as well as the total number of primary 24-hour standard exceedances measured at each site.

Results Figures 12 through 14 show that no exceedances of the primary SO2 standard were measured in third quarter, 1991 for Alaska, Oregon, or Washington. No data were reported for Idaho.

## LEAD

Description Figures 15 and 16 display lead statistics for Region 10 for third quarter, 1991. The figures display the quarterly mean for third quarter.

Results Figures 15 and 16 show that quarterly means were well below the primary standard for Oregon and Washington. Lead is not monitored in Alaska. No data were reported for Idaho.

## OZONE

Description Figures 17 and 18 display the ozone statistics for third quarter, 1991. The figures display the four highest one-hour ozone readings computed on a daily basis (the four highest hourly readings selected from the highest daily one hour readings for the entire quarter).

Results Figure 17 shows that NAAQS were exceeded at the Canby, Oregon site. Figure 18 shows that NAAQS were not exceeded in third quarter, 1991 at any Washington sites.

## OZONE ATTAINMENT STATUS

Description Figures 19 through 22 display ozone statistics for 1989 through 1991. This graphic shows whether or not monitors are in attainment of NAAQS. Each year on the graph shows the four highest 1-hourly concentrations computed on a daily basis (see above) for the past three years (e.g. 1989 would include ozone readings for 1987, 1988, and 1989). The graph also shows the average number of expected exceedances and measured exceedances for the same 3 year period. Expected exceedances are computer calculated and are used to determine compliance with NAAQS. An expected exceedance of 1.1 or greater for the past three years would mean that the monitor would be in nonattainment of NAAQS.

## Results

OREGON Figures 19 and 20 show that ozone exceedances have occurred at the Milwaukee, Eugene, and Canby sites. However, only the Canby site is out of compliance with NAAQS.

WASHINGTON Figures 21 and 22 show that ozone exceedances were measured at the Bellevue, Enumclaw, and Tacoma sites. However, only the Enumclaw site is out of compliance.

## METEOROLOGY

Figure 23 displays a graphic analysis of temperatures for Portland, OR, Seattle, Washington (Seatac Airport), and Spokane, Washington. The graph displays the number of temperature readings (in degrees fahrenheit) in categories of: 80 to 84 degrees, 85 to 89 degrees, and 90 or more degrees. Each bar represents the three year average for the three previous years (e.g. 1989 is the average of 1987 through 1989). The first bar for each city is the 30 year normal (1951 through 1980). The total length of each bar represents the average number of days greater than or equal to 80 degrees for each respective three period (three three-year periods).

**Results** It is evident by looking at the graph that all time periods are significantly above the 30 year normal for temperatures in the given categories for Seattle and Portland. Spokane is above normal, but not nearly as much as Seattle and Portland. Temperatures in these categories normally result in higher ozone concentrations. This could mean that normal temperature years would not show as high of readings as do the graphs in this report.

### **POLLUTANT STANDARD INDEX (PSI)**

**Description** Figures 24 through 29 display pollutant standard index (PSI) for selected cities in Region 10. PSI's are computed daily and simplify air quality readings for the public. The reading on a given day is computed from the pollutant which is highest with respect to it's air quality standard (e.g. if PM10 and CO are monitored, the PSI reading might be driven by CO on one day and PM10 on another day). Although there may instances when two pollutants may exceed their respective (NAAQS) on the same day, the PSI will only reflect the pollutant with the highest PSI reading. Categories are defined on the graphs. Readings of 50 or less mean that pollutant readings are below, but are approaching air quality standards. Readings at or over 100 indicate that readings are at the level of or exceed primary air quality standards and are further categorized by the extent that they are over the standard. The primary NAAQS are summarized in Table 1. Readers should also note that PSI readings may be over 100, but NAAQS may not be exceeded. This is because the 'effective' level of the standard is sometimes above the actual standard (see Table 1).

## Results

ALASKA Figure 24 shows that one unhealthful day was recorded at Juneau during third quarter, 1991. Otherwise all days were in the good and moderate categories.

IDAHO No data were reported.

OREGON Figures 25 and 26 show that no unhealthful days were recorded in Oregon during third quarter, 1991.

WASHINGTON Figures 27 through 29 show that one unhealthful day was recorded at Kennewick, Spokane, and Walla Walla during third quarter, 1991. Otherwise all days were in the good to moderate categories.



## MONITOR NETWORK

A complete list of active monitors can be found in the appendix of this report. During third quarter the following changes were noted in the Region 10 monitoring network:

### ALASKA

| AIRS CODE | SITE NAME                   | CHANGE                                    |
|-----------|-----------------------------|---|
| 021100020 | Quartz Street (Juneau)      | Discontinued 6/30/91<br>(PM10)            |
| 021221004 | Bernice Lake                | Discontinued 6/30/91.<br>(PM10, SO2, NO2) |
| 021221005 | Phillips<br>(Kenai Highway) | Discontinued 6/30/91.                     |

### OREGON

| AIRS CODE | SITE NAME     | CHANGE                           |
|-----------|---------------|----------------------------------|
| 410190122 | Roseburg      | Began sampling 8/1/91<br>(PM10)  |
| 410350013 | Klamath Falls | Began sampling 8/1/91<br>(PM10)  |
| 410439106 | Halsey        | Began sampling 7/24/91<br>(PM10) |

### WASHINGTON

|           |         |                                |
|-----------|---------|--------------------------------|
| 530330057 | Seattle | Sampling ended 7/1/91<br>(TSP) |
| 530531004 | Tacoma  | Sampling ended 7/1/91<br>(TSP) |

## EXCEPTIONAL EVENTS

No exceptional events were recorded in Region 10 in third quarter, 1991.

## SPECIAL MONITORING STUDIES

No special monitoring studies were conducted in Region 10 in third quarter, 1991.

TABLE 1 Primary National Ambient Air Quality Standards (NAAQS)

| POLLUTANT                 | AVERAGING TIME | PRIMARY NAAQS | 'EFFECTIVE' PRIMARY NAAQS (1) | NOTES |
|---------------------------|----------------|---------------|-------------------------------|-------|
| CARBON MONOXIDE           | 8 HOURS        | 9 PPM         | 9.5 PPM                       | (B)   |
| CARBON MONOXIDE           | 1 HOUR         | 35 PPM        | 35.5 PPM                      | (B)   |
| SULFUR DIOXIDE            | ANNUAL         | 80 UG/M3      | 80 UG/M3                      | (A)   |
| SULFUR DIOXIDE            | 24 HOURS       | 365 UG/M3     | 365 UG/M3                     | (B)   |
| OZONE                     | 1 HOUR         | 0.12 PPM      | 0.125 PPM                     | (C)   |
| NITROGEN DIOXIDE          | ANNUAL         | 50 UG/M3      | 50 UG/M3                      | (D)   |
| PARTICULATE MATTER (PM10) | ANNUAL         | 150 UG/M3     | 50 UG/M3                      | (D)   |
| PARTICULATE MATTER (PM10) | 24 HOURS       | 150 UG/M3     | 155 UG/M3                     | (E)   |
| LEAD                      | QUARTER        | 1.5 UG/M3     | 1.5 UG/M3                     | (A)   |

NOTES:

(1) The 'effective ' NAAQS reflects the regulatory rounding conventions.

(A) Never to be exceeded.

(B) Not to be exceeded more than once per year.

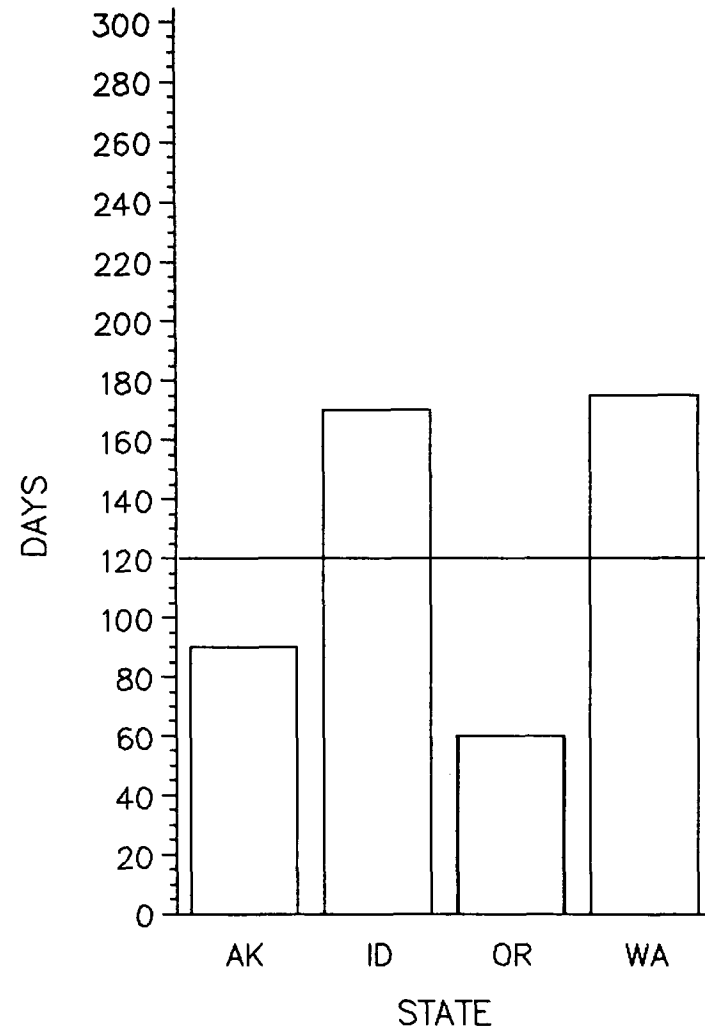
(C) Standard violated when expected number of days per year (averaged over the most recent 3 years) with a maximum hourly average above the standard is greater than one.

(D) Standard violated when expected annual arithmetic mean concentration is greater than the standard.

(E) Standard violated when expected number of days per year (averaged over the most recent 3 years) with a 24-hour concentration above the standard is greater than one.

***GRAPHICAL  
SUMMARIES OF  
STATE AIR QUALITY  
SUBMITTALS***

TIMELINESS OF STATE DATA SUBMITTALS  
AIR QUALITY DATA SUBMISSION  
THIRD QUARTER, 1991  
HORIZONTAL LINE = 120 DAY DEADLINE



TOP NUM. = AVERAGE EXPECTED EXCEEDANCES PAST 3 YRS  
BOTTOM NUM = AVERAGE MEASURED EXCEEDANCES PAST 3 YRS  
TOP BAR = 1ST MAX BOTTOM BAR = 4TH MAX

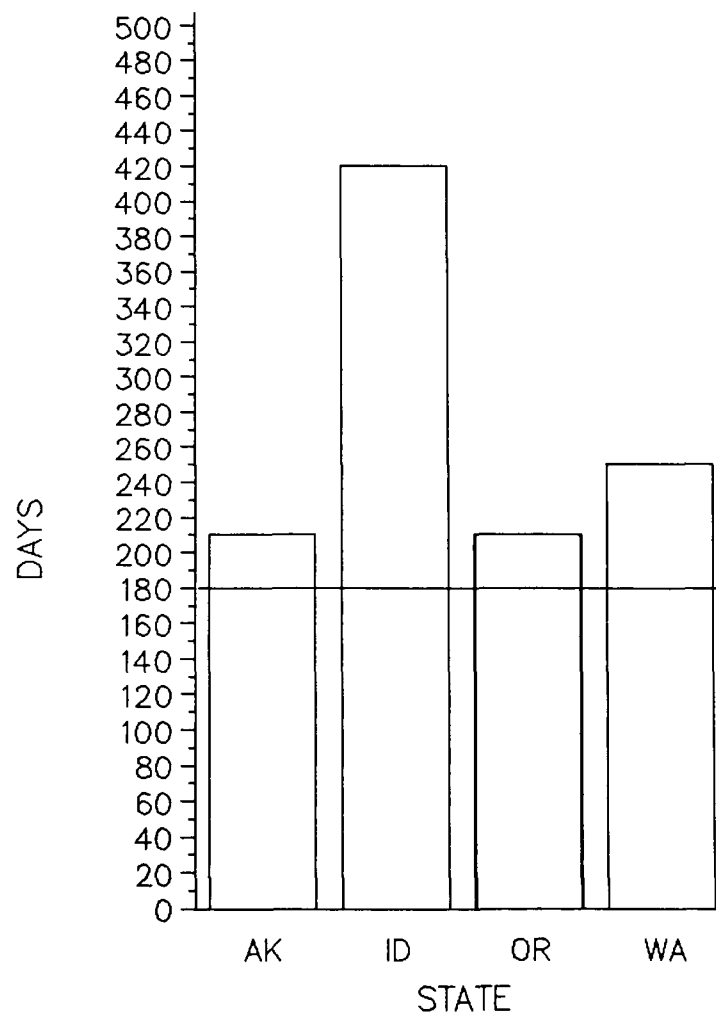
FIGURE 1

# TIMELINESS OF STATE DATA SUBMITTALS

ANNUAL SLAMS REPORTS

YEAR = 1990

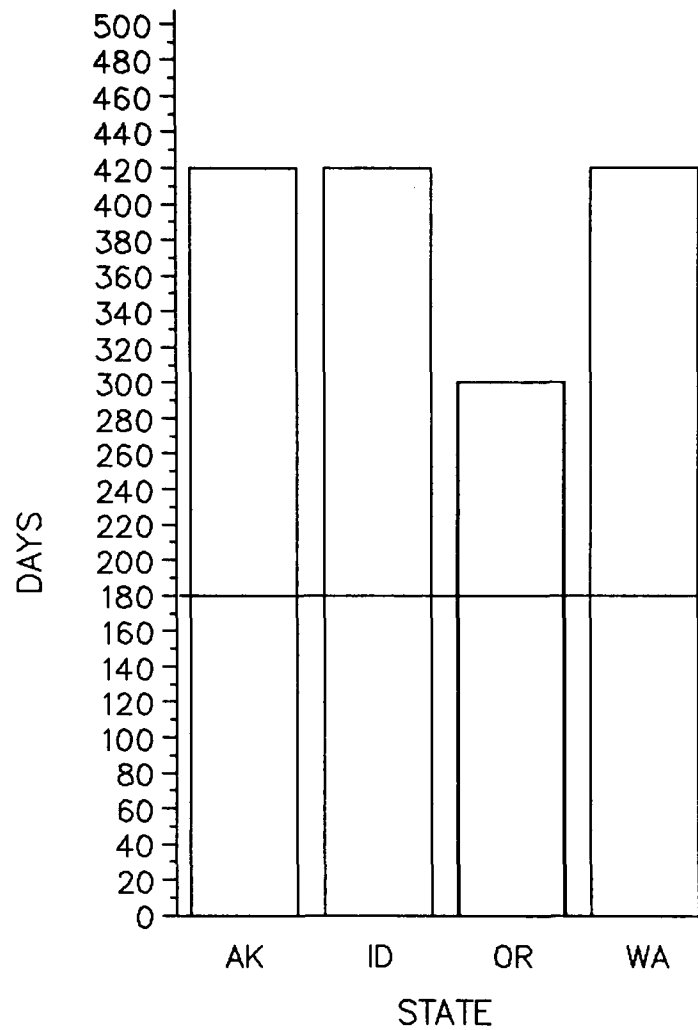
HORIZONTAL LINE = 180 DAY DEADLINE



TOP NUM. = AVERAGE EXPECTED EXCEEDANCES PAST 3 YRS  
BOTTOM NUM = AVERAGE MEASURED EXCEEDANCES PAST 3 YRS  
TOP BAR = 1ST MAX BOTTOM BAR = 4TH MAX

FIGURE 2

TIMELINESS OF STATE DATA SUBMITTALS  
ANNUAL EMISSION INVENTORY  
YEAR = 1990  
HORIZONTAL LINE = 180 DAY DEADLINE



TOP NUM. = AVERAGE EXPECTED EXCEEDANCES PAST 3 YRS  
BOTTOM NUM. = AVERAGE MEASURED EXCEEDANCES PAST 3 YRS  
TOP BAR = 1ST MAX BOTTOM BAR = 4TH MAX

FIGURE 3

# COMPLETENESS OF STATE AIR DATA SUBMITTALS QUARTER 3, 1991

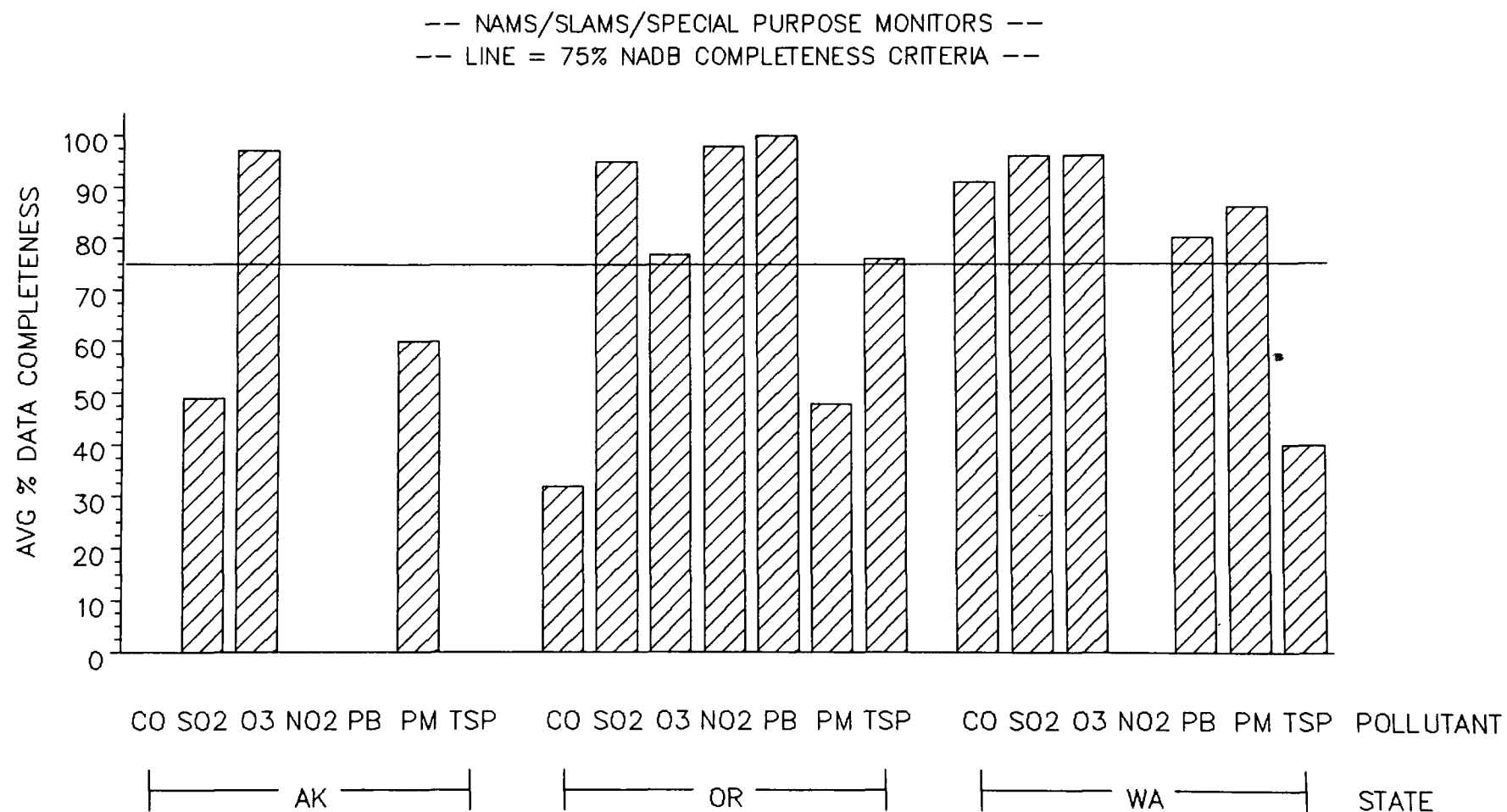
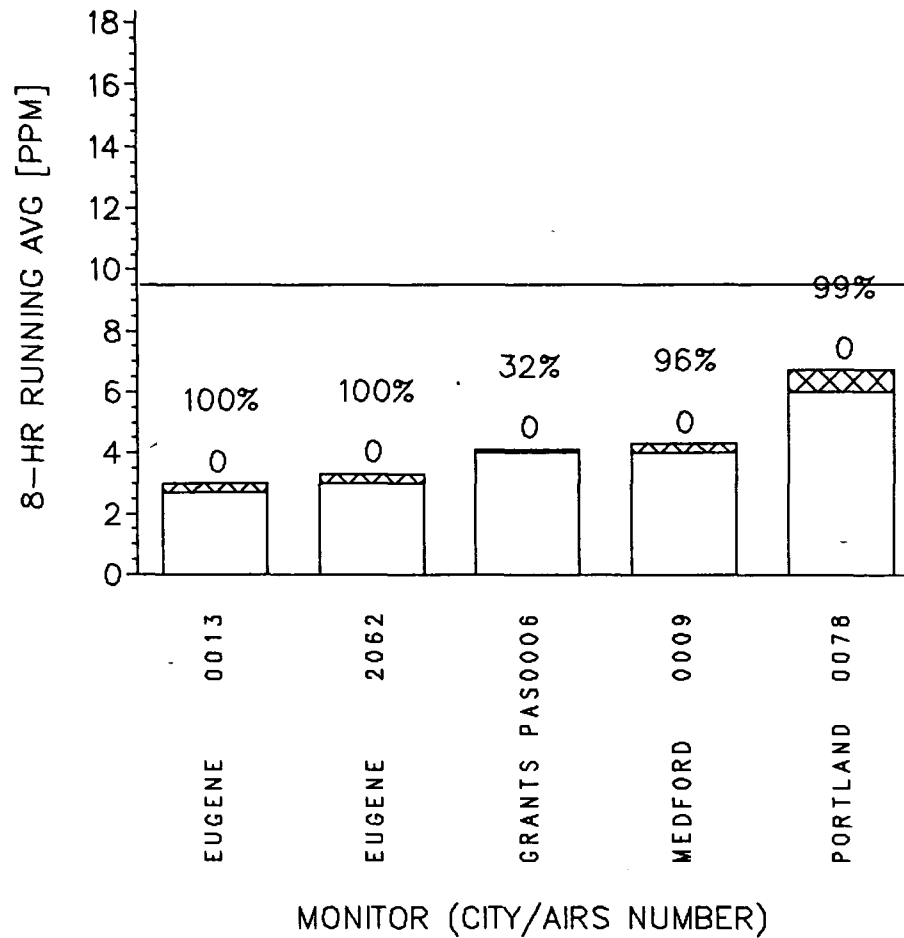


FIGURE 4

# OREGON CO STATUS QUARTER 3, 1991

LINE = 'EFFECTIVE' LEVEL OF 8-HR CO NAAQS (9.5 PPM)



TOP NUM. = PERCENT OF POSSIBLE DATA COLLECTED  
 BOT NUM. = NUMBER READINGS EXCEEDING STANDARD  
 SOLID BAR = PORTION OF 1ST/2ND MAX ABOVE STANDARD  
 CROSS HATCH BAR = 1ST MAX CLEAR BAR = 2ND MAX

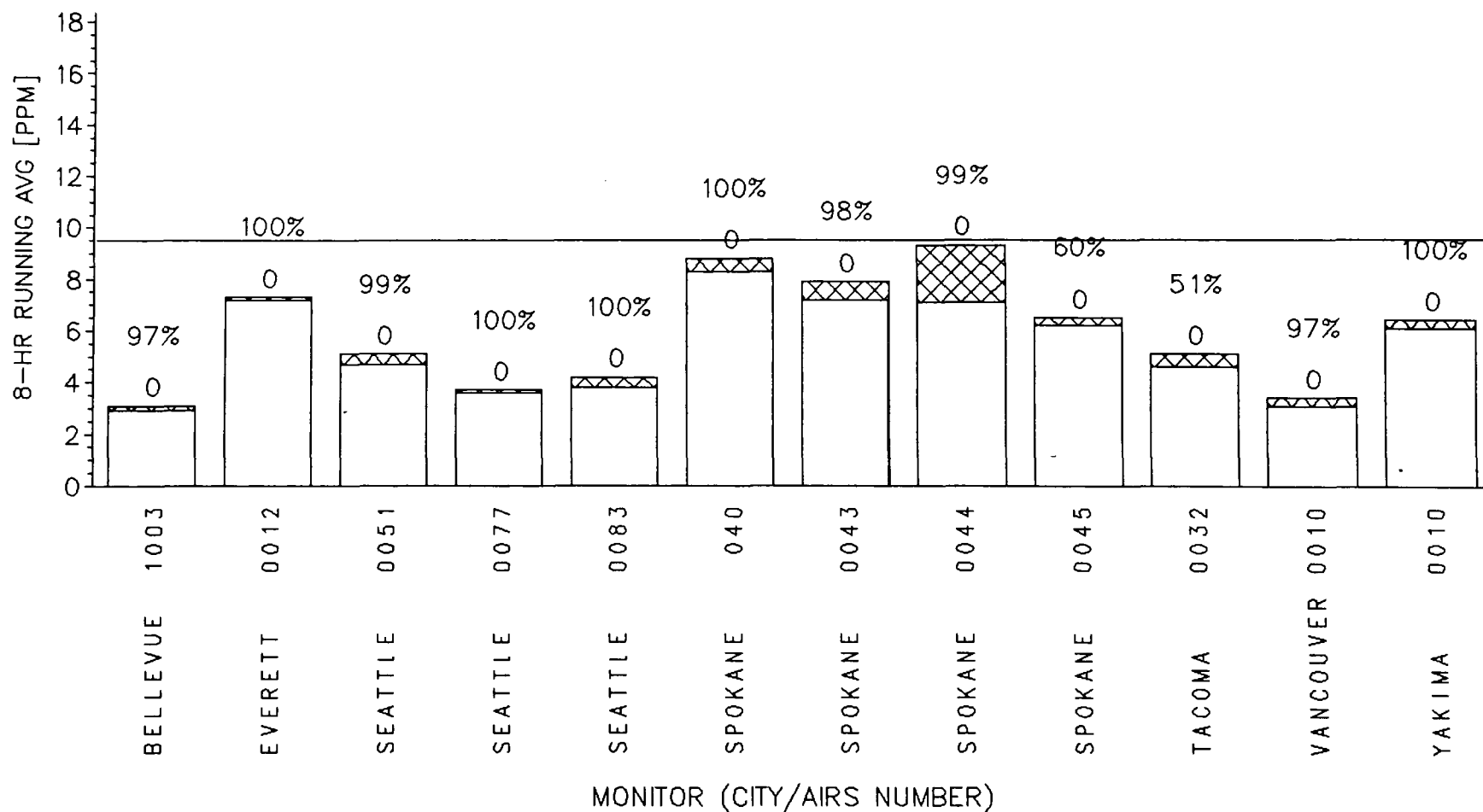
FIGURE 5



# WASHINGTON CO STATUS

QUARTER 3, 1991

LINE = 'EFFECTIVE' LEVEL OF 8-HR CO NAAQS (9.5 PPM)



TOP NUM. = PERCENT OF POSSIBLE DATA COLLECTED

BOT NUM. = NUMBER READINGS EXCEEDING STANDARD

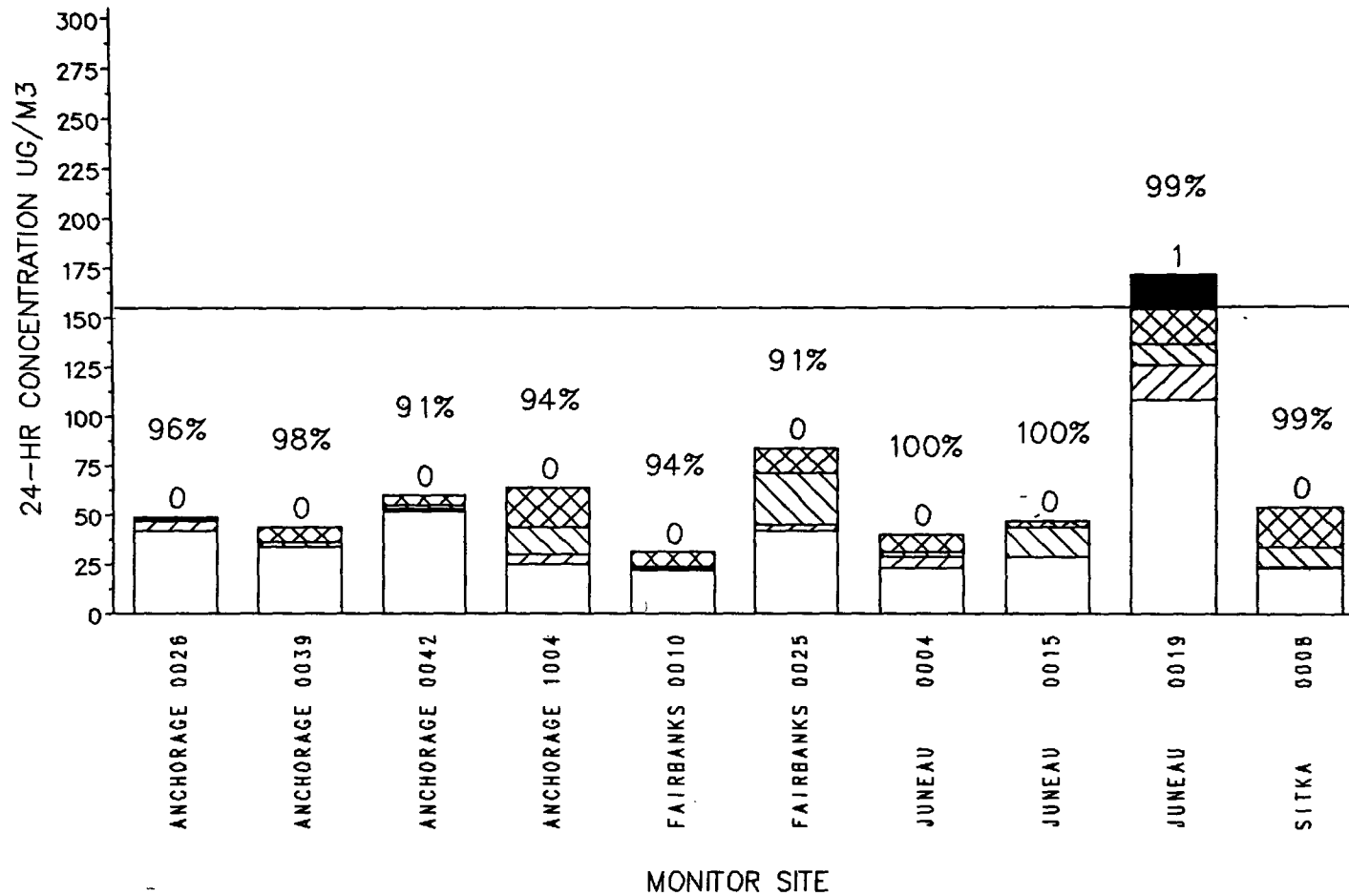
SOLID BAR = PORTION OF 1ST/2ND MAX ABOVE STANDARD

CROSS HATCH BAR = 1ST MAX CLEAR BAR = 2ND MAX

FIGURE 6

# ALASKA PM10 STATUS QUARTER 3, 1991

LINE = 'EFFECTIVE' LEVEL OF 24-HR PM10 NAAQS (155 UG/M3)

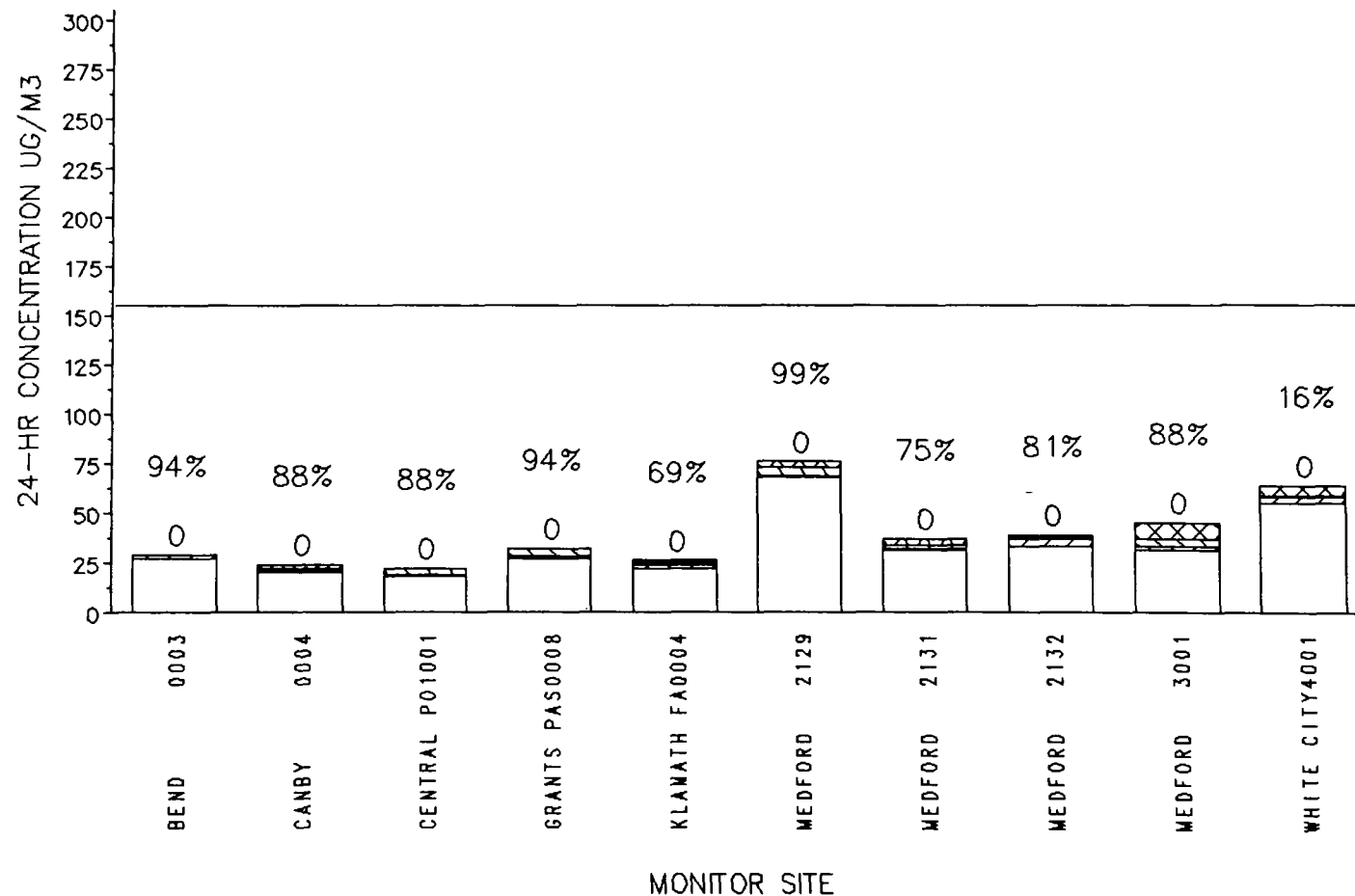


TOP NUM. = PERCENT OF POSSIBLE DATA COLLECTED  
 BOT NUM. = NUMBER READINGS EXCEEDING STANDARD  
 SOLID BAR = PORTION OF 1ST/2ND/3RD/4TH MAX ABOVE STANDARD  
 CROSS HATCH = 1ST MAX LEFT SLANT = 2ND MAX RIGHT SLANT = 3RD MAX  
 CLEAR = 4TH MAX

FIGURE 7

# OREGON PM10 STATUS QUARTER 3, 1991

LINE = 'EFFECTIVE' LEVEL OF 24-HR PM10 NAAQS (155 UG/M3)

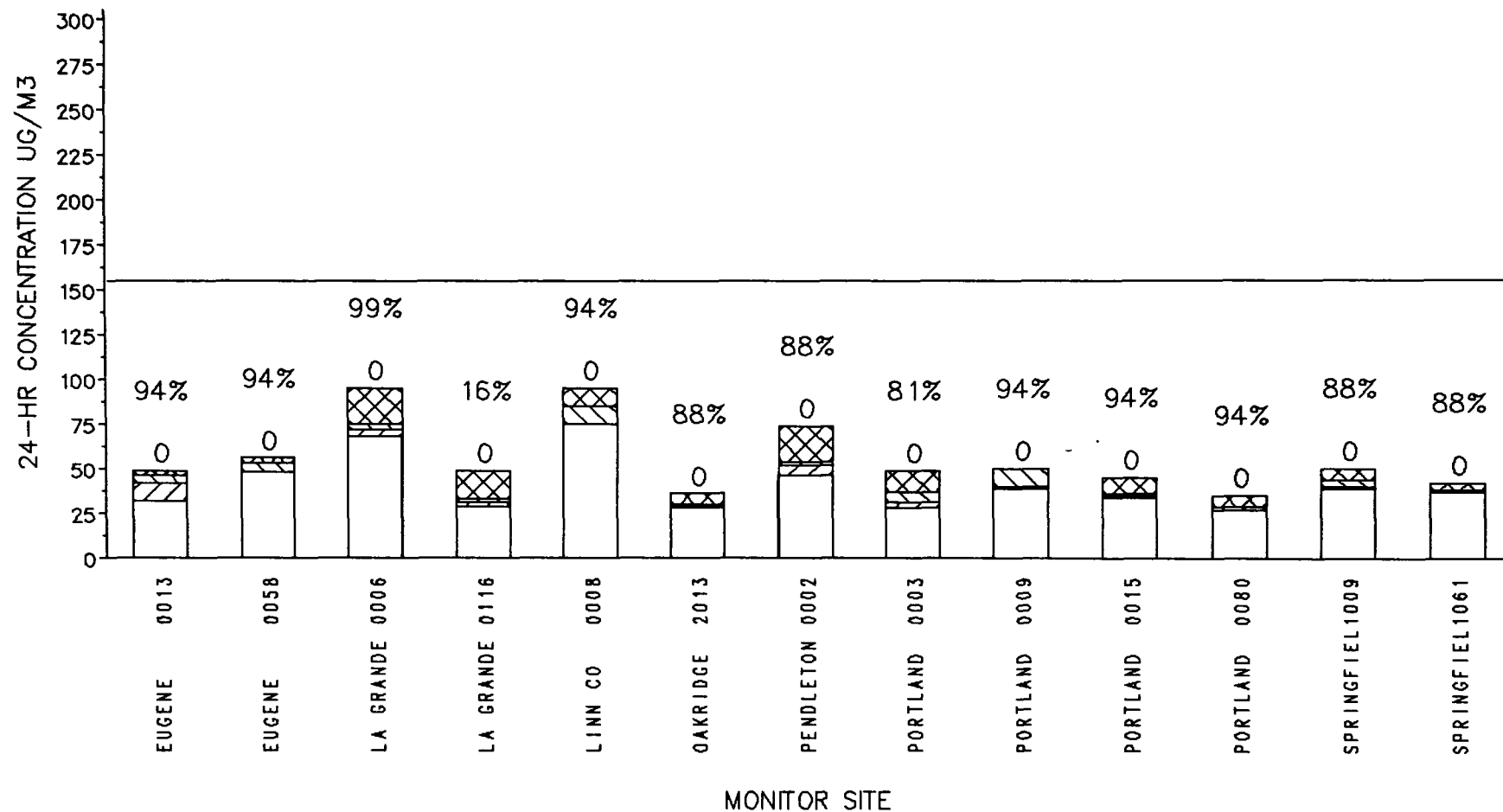


TOP NUM. = PERCENT OF POSSIBLE DATA COLLECTED  
 BOT NUM. = NUMBER READINGS EXCEEDING STANDARD  
 SOLID BAR = PORTION OF 1ST/2ND/3RD/4TH MAX ABOVE STANDARD  
 CROSS HATCH = 1ST MAX LEFT SLANT = 2ND MAX RIGHT SLANT = 3RD MAX  
 CLEAR = 4TH MAX

FIGURE 8

# OREGON PM10 STATUS QUARTER 3, 1991

LINE = 'EFFECTIVE' LEVEL OF 24-HR PM10 NAAQS (155 UG/M3)

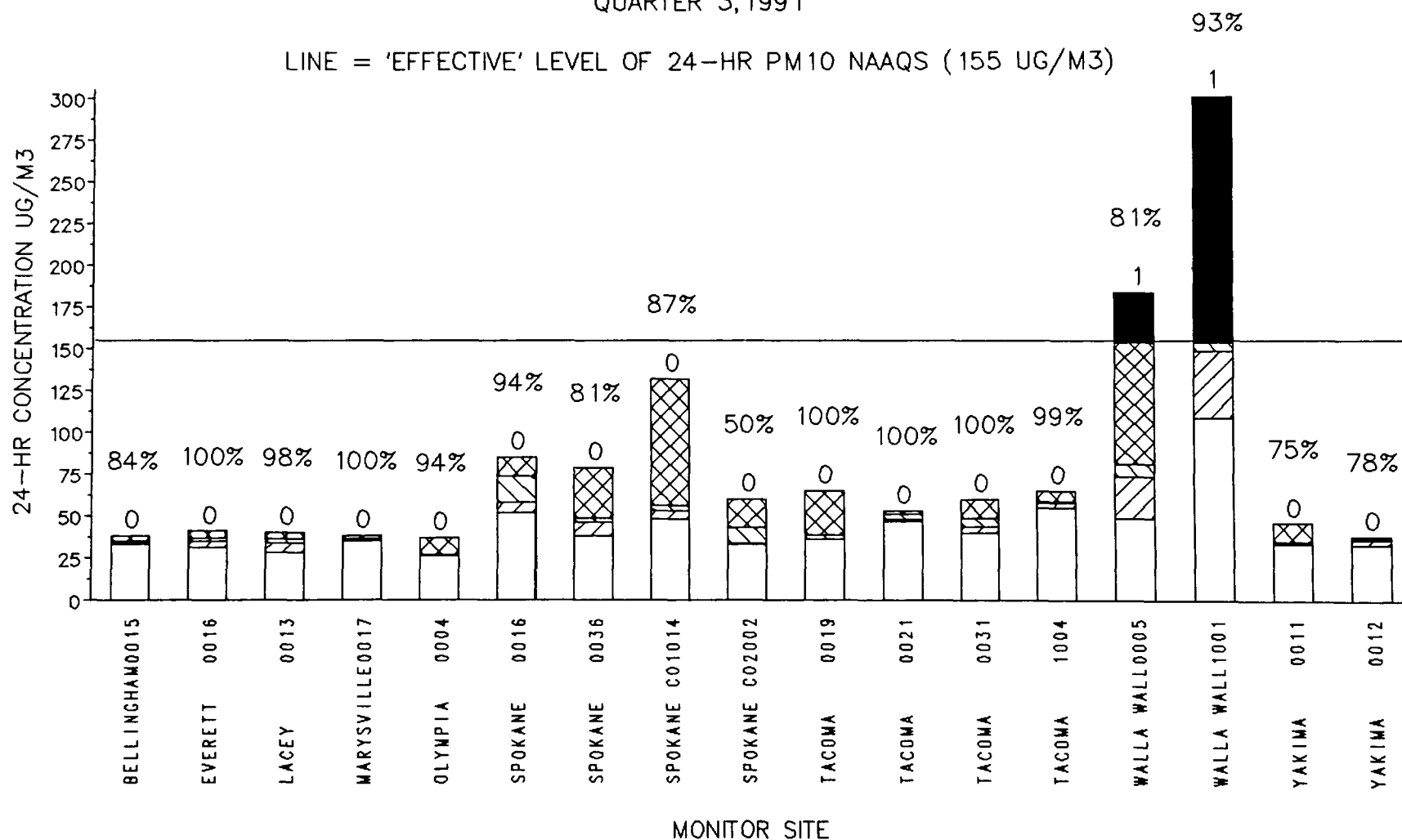


TOP NUM. = PERCENT OF POSSIBLE DATA COLLECTED  
 BOT NUM. = NUMBER READINGS EXCEEDING STANDARD  
 SOLID BAR = PORTION OF 1ST/2ND/3RD/4TH MAX ABOVE STANDARD  
 CROSS HATCH = 1ST MAX LEFT SLANT = 2ND MAX RIGHT SLANT = 3RD MAX  
 CLEAR = 4TH MAX

FIGURE 9

# WASHINGTON PM10 STATUS QUARTER 3, 1991

LINE = 'EFFECTIVE' LEVEL OF 24-HR PM10 NAAQS (155 UG/M3)



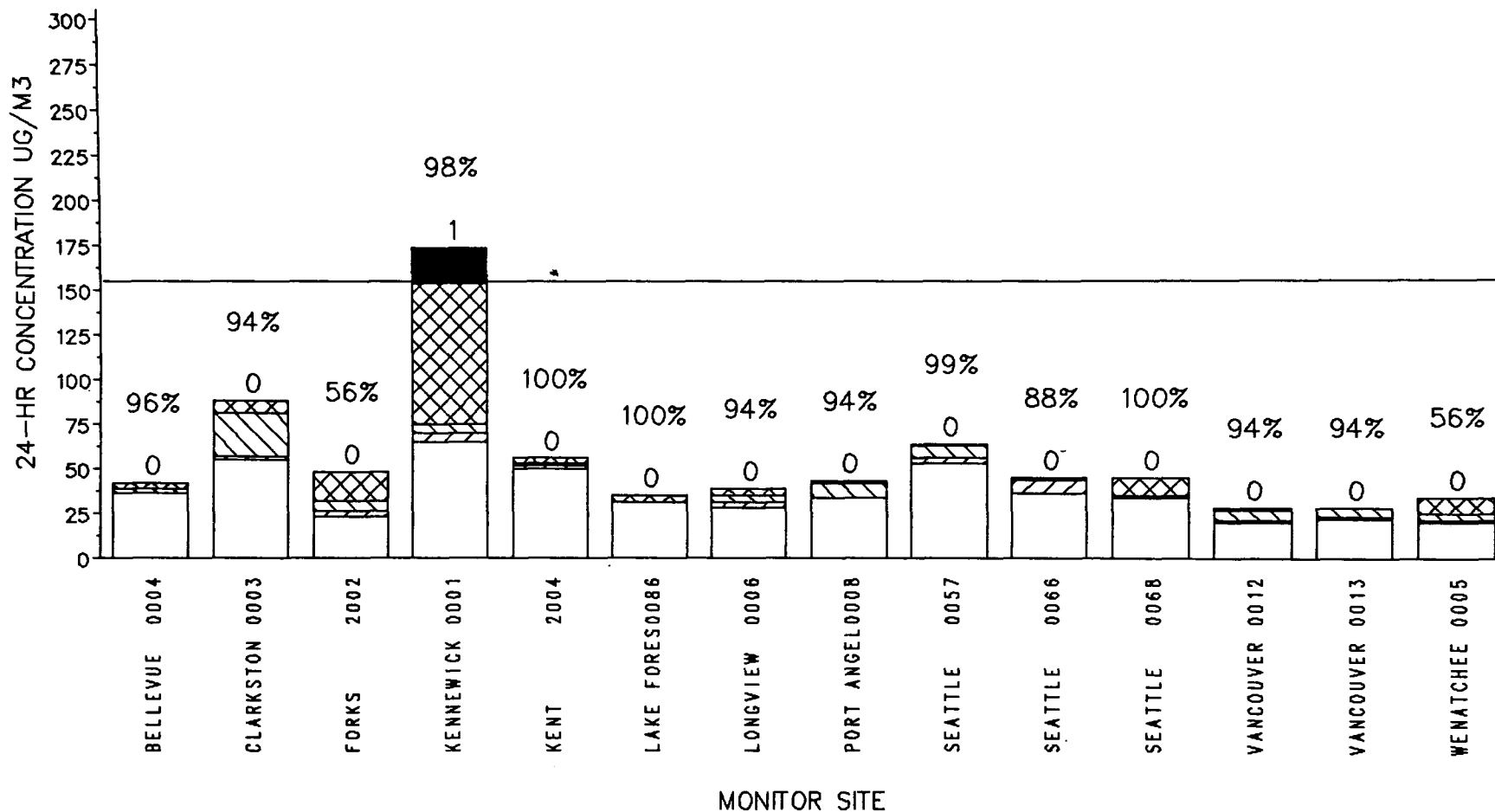
TOP NUM. = PERCENT OF POSSIBLE DATA COLLECTED  
 BOT NUM. = NUMBER READINGS EXCEEDING STANDARD  
 SOLID BAR = PORTION OF 1ST/2ND/3RD/4TH MAX ABOVE STANDARD  
 CROSS HATCH = 1ST MAX LEFT SLANT = 2ND MAX RIGHT SLANT = 3RD MAX  
 CLEAR = 4TH MAX

FIGURE 10

# WASHINGTON PM10 STATUS

QUARTER 3, 1991

LINE = 'EFFECTIVE' LEVEL OF 24-HR PM10 NAAQS (155 UG/M3)



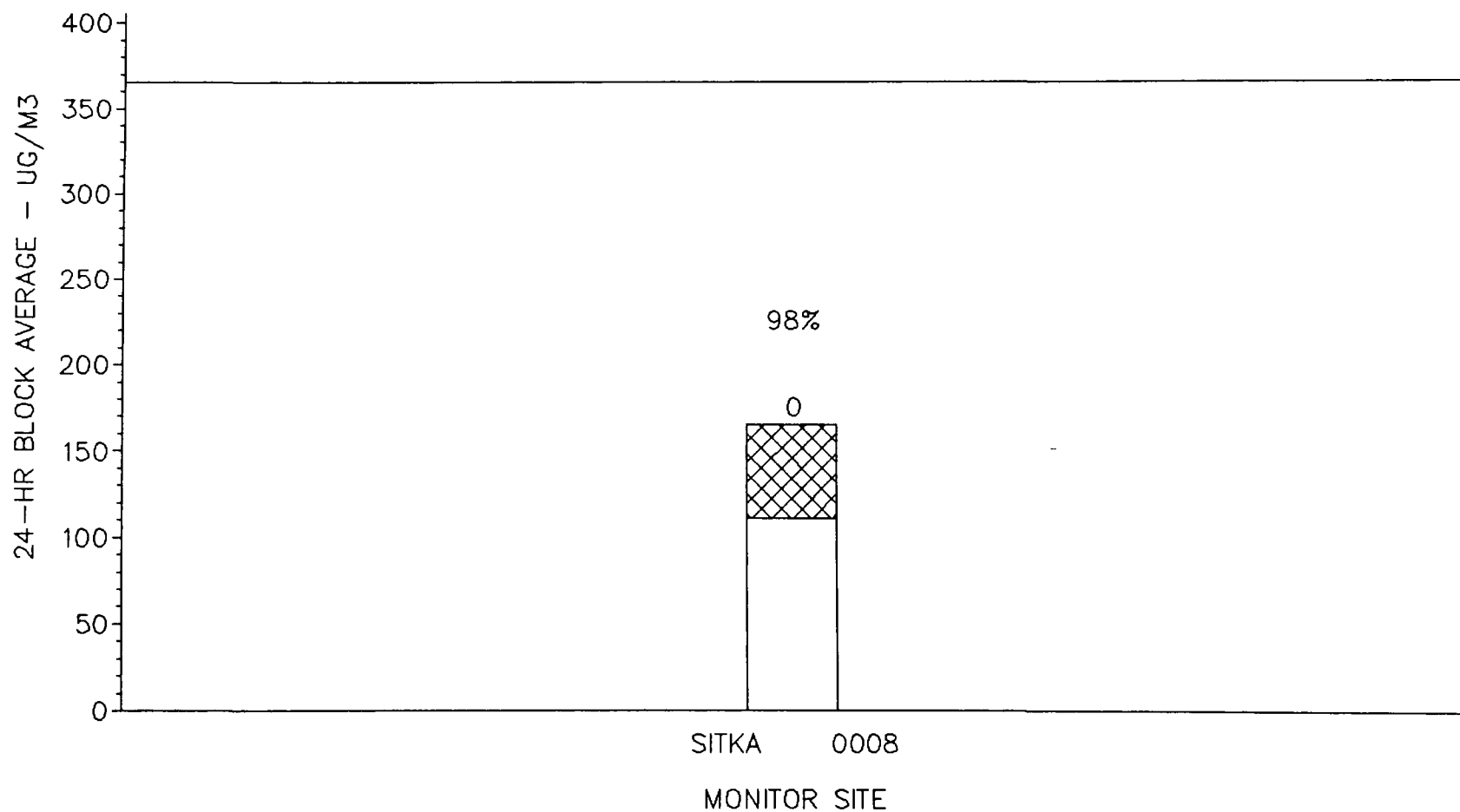
TOP NUM. = PERCENT OF POSSIBLE DATA COLLECTED  
 BOT NUM. = NUMBER READINGS EXCEEDING STANDARD  
 SOLID BAR = PORTION OF 1ST/2ND/3RD/4TH MAX ABOVE STANDARD  
 CROSS HATCH = 1ST MAX LEFT SLANT = 2ND MAX RIGHT SLANT = 3RD MAX  
 CLEAR = 4TH MAX

FIGURE 11

# ALASKA SO<sub>2</sub> STATUS

QUARTER 3, 1991

LINE = 24-HR SO<sub>2</sub> NAAQS OF 365 UG/M<sup>3</sup>

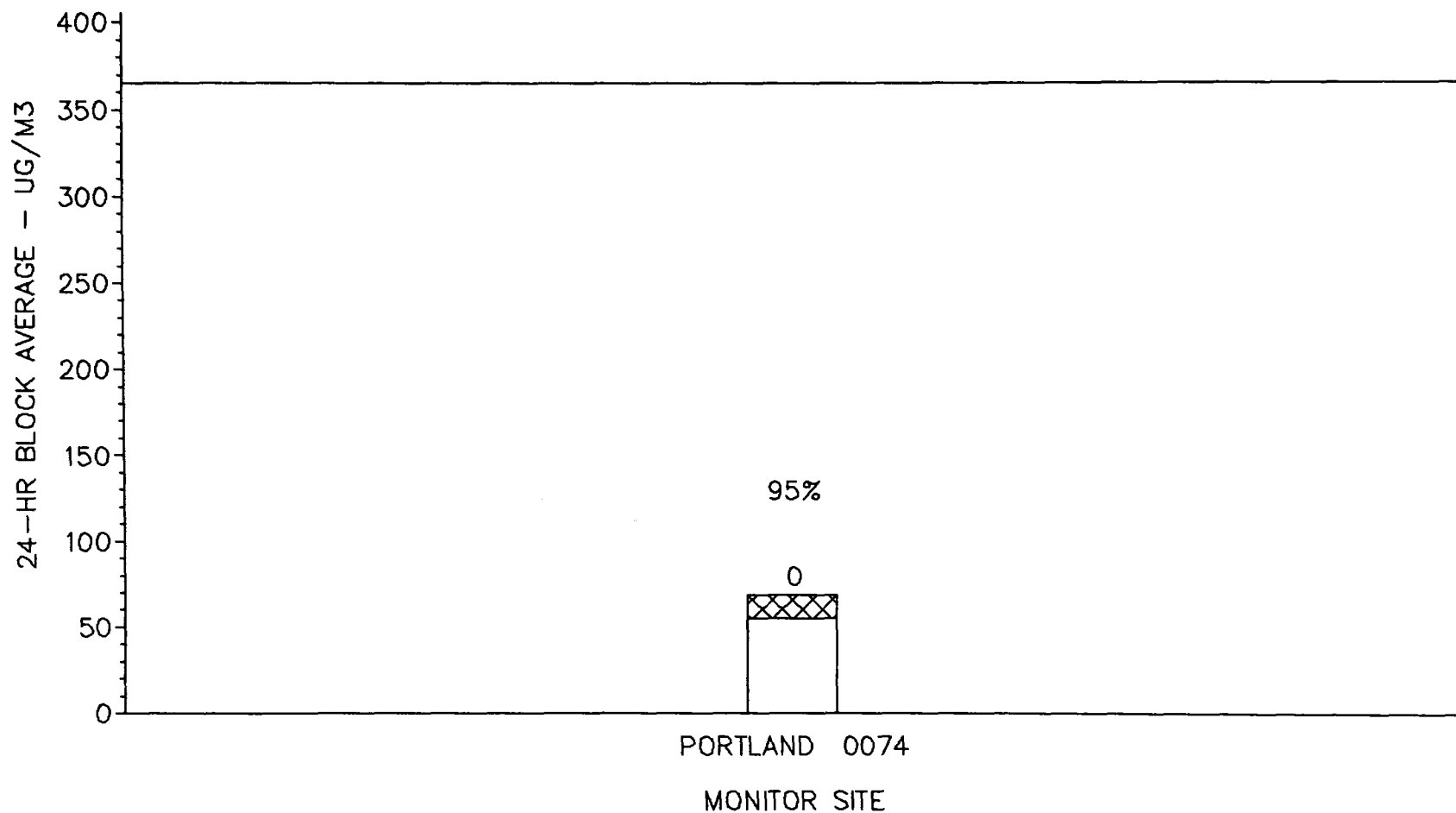


TOP NUM. = PERCENT OF POSSIBLE DATA COLLECTED  
BOT NUM. = NUMBER READINGS EXCEEDING STANDARD  
SOLID BAR = PORTION OF 1ST/2ND MAX ABOVE STANDARD  
CROSS HATCH BAR = 1ST MAX CLEAR BAR = 2ND MAX

FIGURE 12

OREGON SO<sub>2</sub> STATUS  
QUARTER 3, 1991

LINE = 24-HR SO<sub>2</sub> NAAQS OF 365 UG/M<sup>3</sup>



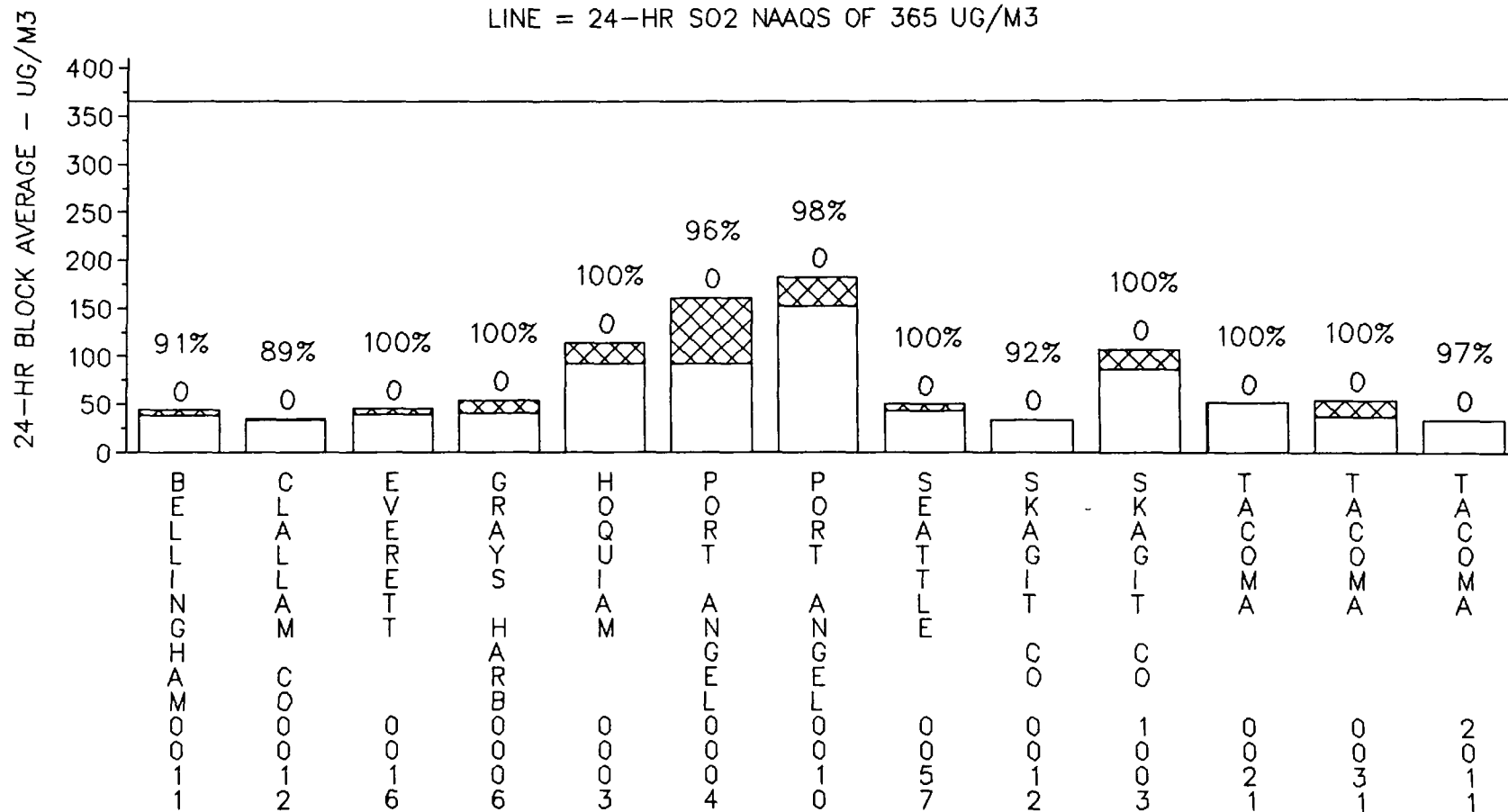
TOP NUM. = PERCENT OF POSSIBLE DATA COLLECTED  
BOT NUM. = NUMBER READINGS EXCEEDING STANDARD  
SOLID BAR = PORTION OF 1ST/2ND MAX ABOVE STANDARD  
CROSS HATCH BAR = 1ST MAX CLEAR BAR = 2ND MAX

FIGURE 13



# WASHINGTON SO2 STATUS QUARTER 3, 1991

LINE = 24-HR SO2 NAAQS OF 365 UG/M3



MONITOR SITE

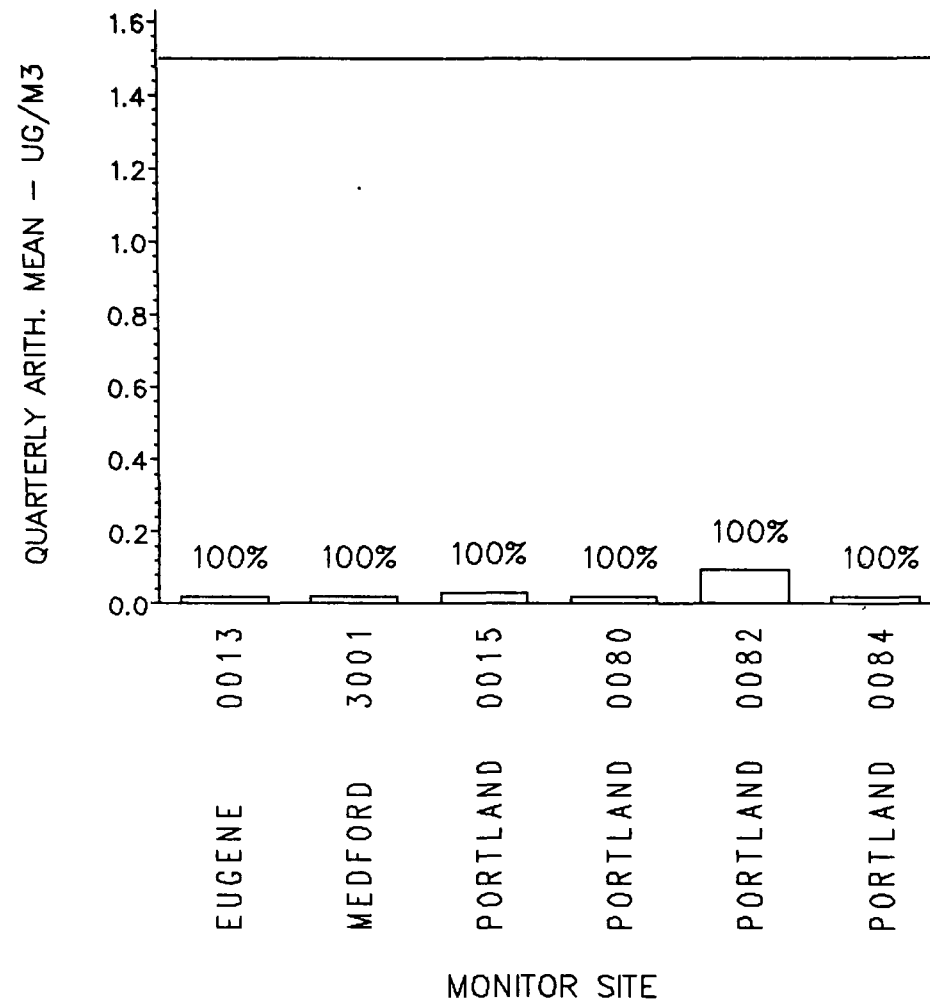
TOP NUM. = PERCENT OF POSSIBLE DATA COLLECTED  
 BOT NUM. = NUMBER READINGS EXCEEDING STANDARD  
 SOLID BAR = PORTION OF 1ST/2ND MAX ABOVE STANDARD  
 CROSS HATCH BAR = 1ST MAX CLEAR BAR = 2ND MAX

FIGURE 14

# OREGON LEAD STATUS

QUARTER 3, 1991

LINE = QUARTERLY LEAD NAAQS OF 1.5 UG/M3



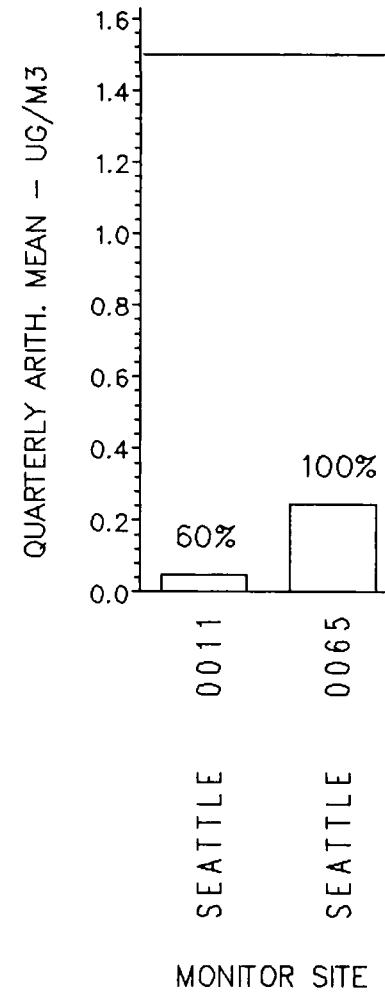
CLEAR BAR = QUARTERLY MEAN.

SOLID BAR = PORTION OF QUARTERLY MEAN ABOVE STANDARD.

NUMBER ABOVE BARS = PERCENT OF POSSIBLE OBSERVATIONS

FIGURE 15

WASHINGTON LEAD STATUS  
QUARTER 3, 1991  
LINE = QUARTERLY LEAD NAAQS OF 1.5 UG/M3

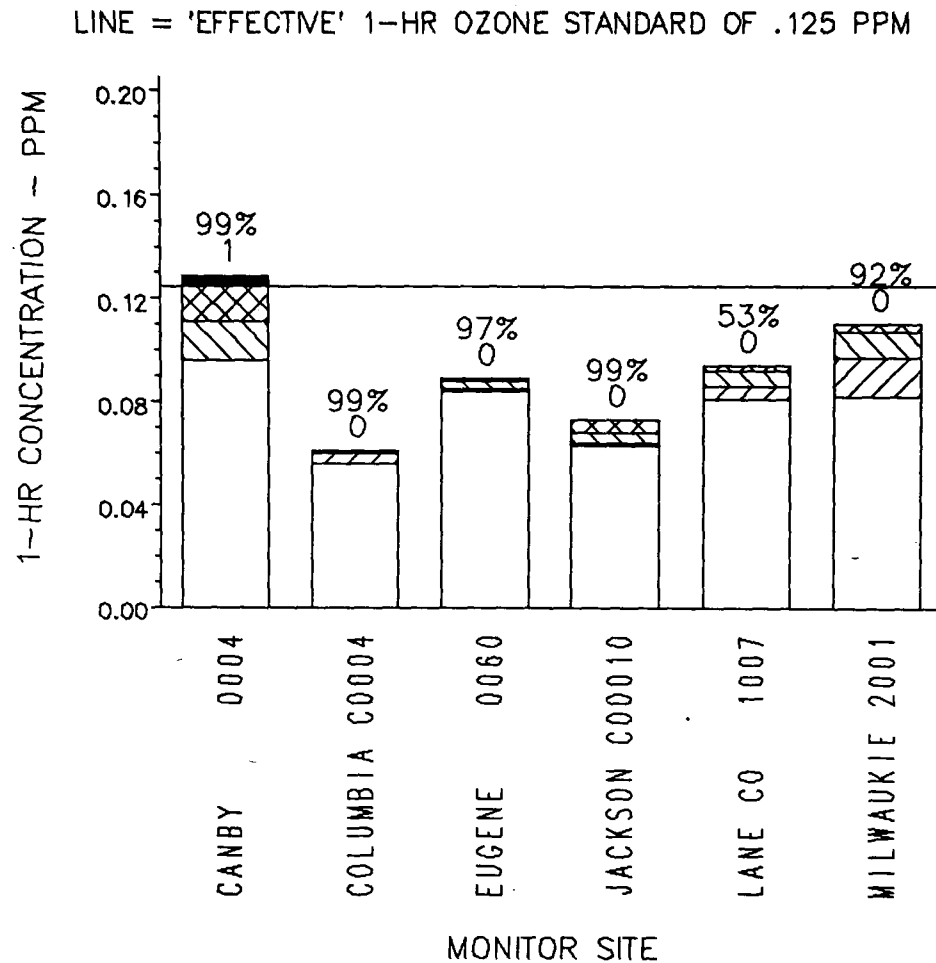


CLEAR BAR = QUARTERLY MEAN.  
SOLID BAR = PORTION OF QUARTERLY MEAN ABOVE STANDARD.  
NUMBER ABOVE BARS = PERCENT OF POSSIBLE OBSERVATIONS

FIGURE 16

# OREGON OZONE STATUS

## QUARTER 3, 1991



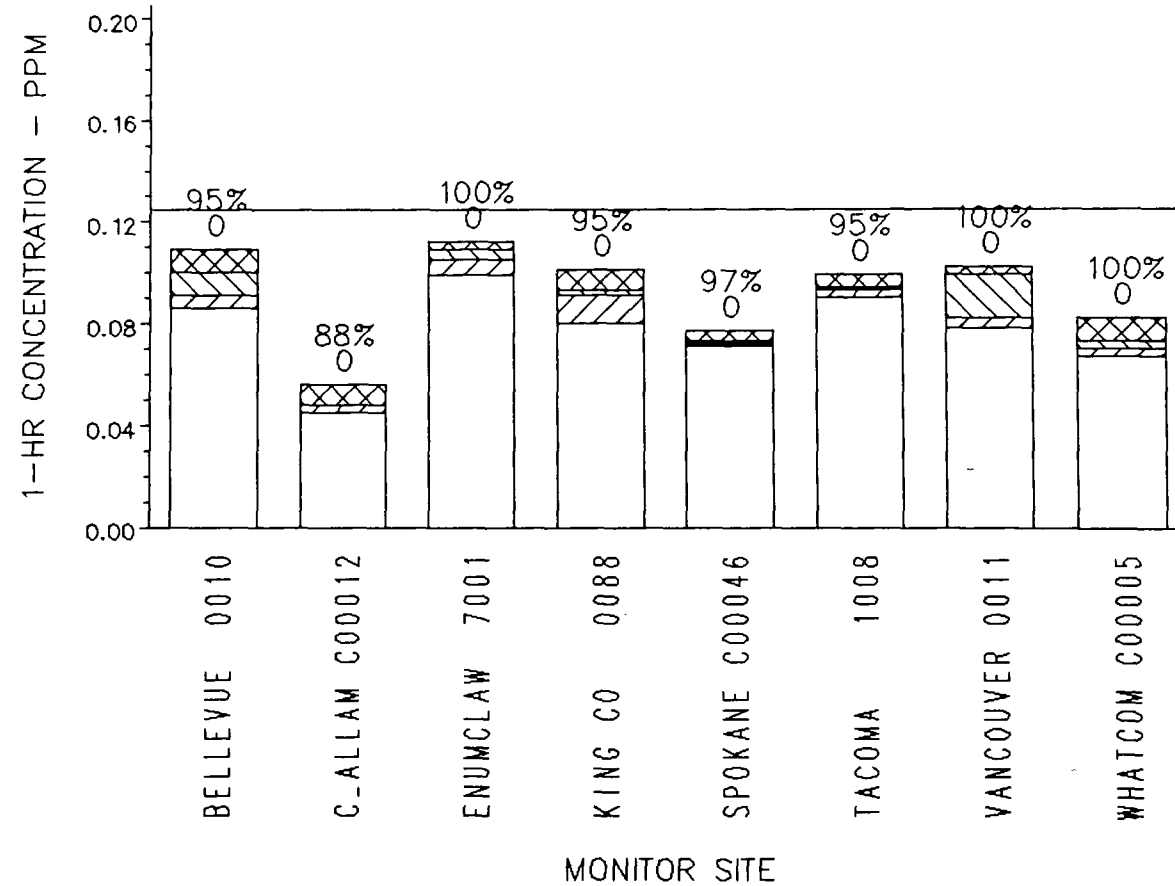
TOP NUMBER = PERCENT OF POSSIBLE OBSERVATIONS  
 BOTTOM NUM = MEASURED EXCEEDANCE DAYS  
 SOLID BAR = PORTION OF 1ST/2ND/3RD/4TH MAX ABOVE STANDARD  
 CROSS HATCH = 1ST MAX LEFT SLANT = 2ND MAX  
 RIGHT SLANT = 3RD MAX CLEAR BAR = 4TH MAX

FIGURE 17

# WASHINGTON OZONE STATUS

## QUARTER 3, 1991

LINE = 'EFFECTIVE' 1-HR OZONE STANDARD OF .125 PPM

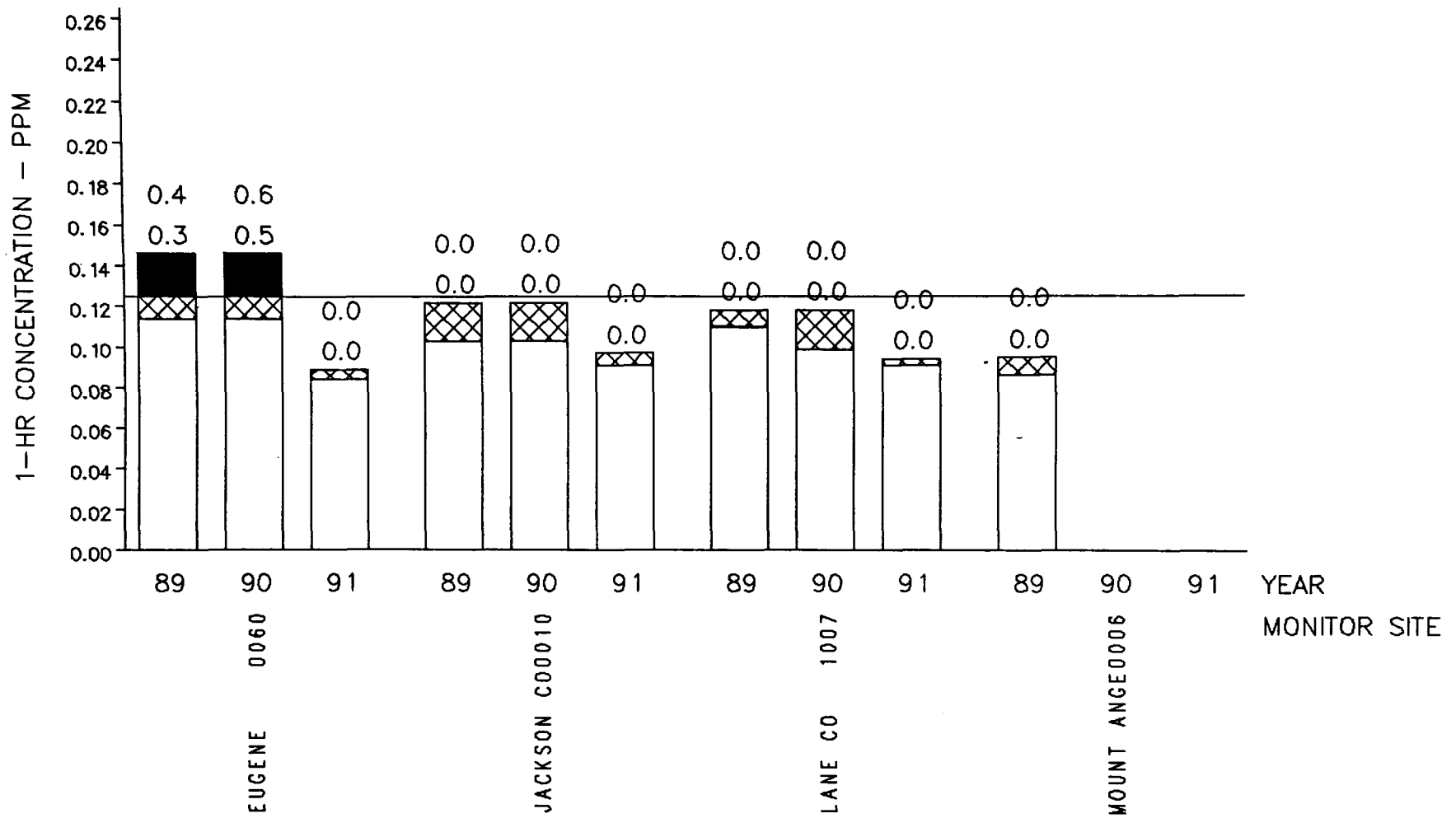


TOP NUMBER = PERCENT OF POSSIBLE OBSERVATIONS  
 BOTTOM NUM = MEASURED EXCEEDANCE DAYS  
 SOLID BAR = PORTION OF 1ST/2ND/3RD/4TH MAX ABOVE STANDARD  
 CROSS HATCH = 1ST MAX LEFT SLANT = 2ND MAX  
 RIGHT SLANT = 3RD MAX CLEAR BAR = 4TH MAX

FIGURE 18

# OREGON OZONE ATTAINMENT STATUS 1989 THROUGH 1991

LINE = 1-HR OZONE STANDARD OF .125 PPM

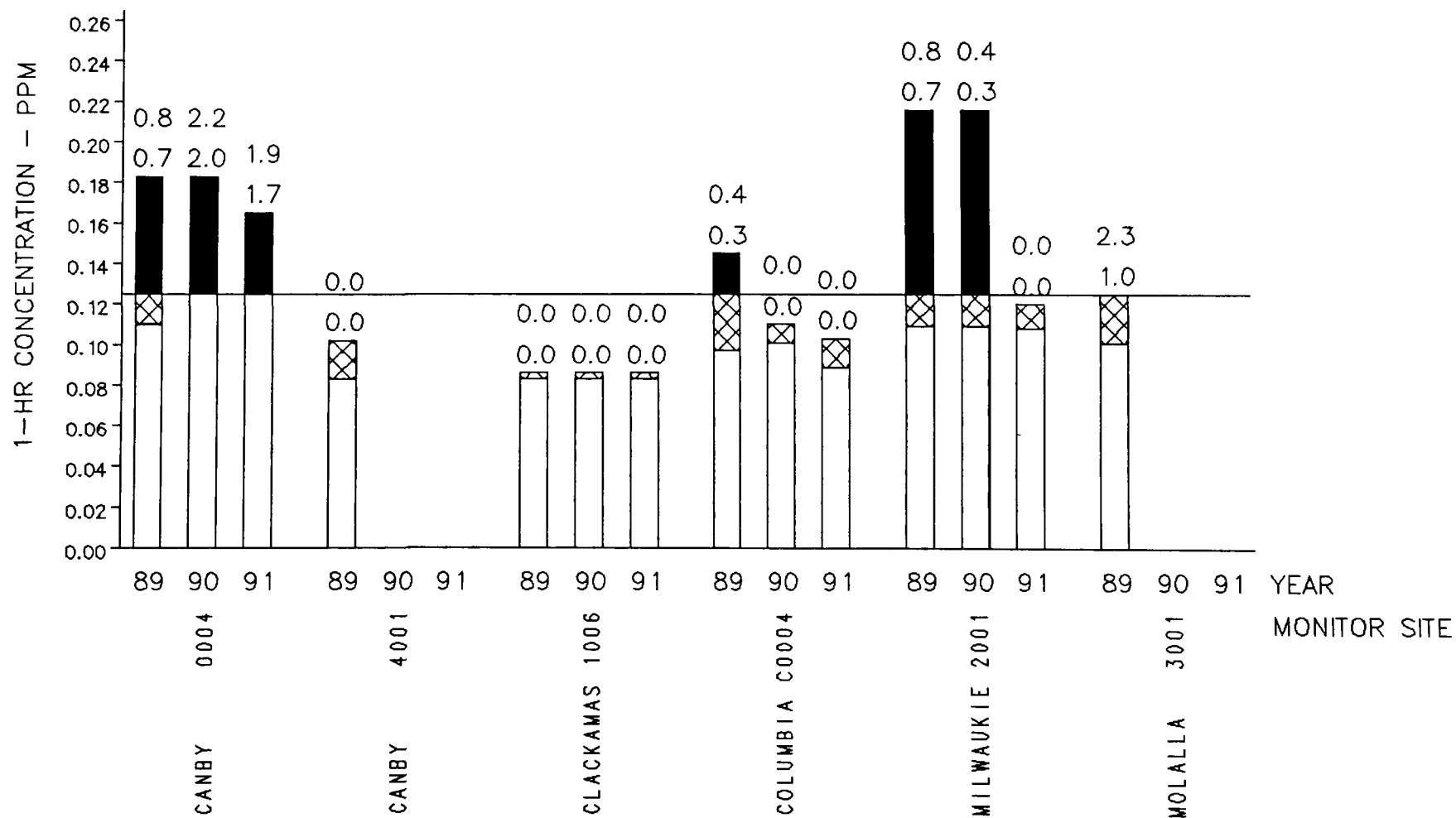


TOP NUM. = AVERAGE EXPECTED EXCEEDANCES PAST 3 YRS  
 BOTTOM NUM. = AVERAGE MEASURED EXCEEDANCES PAST 3 YRS  
 TOP BAR = 1ST MAX BOTTOM BAR = 4TH MAX

FIGURE 19

# OREGON OZONE ATTAINMENT STATUS 1989 THROUGH 1991

LINE = 1-HR OZONE STANDARD OF .125 PPM

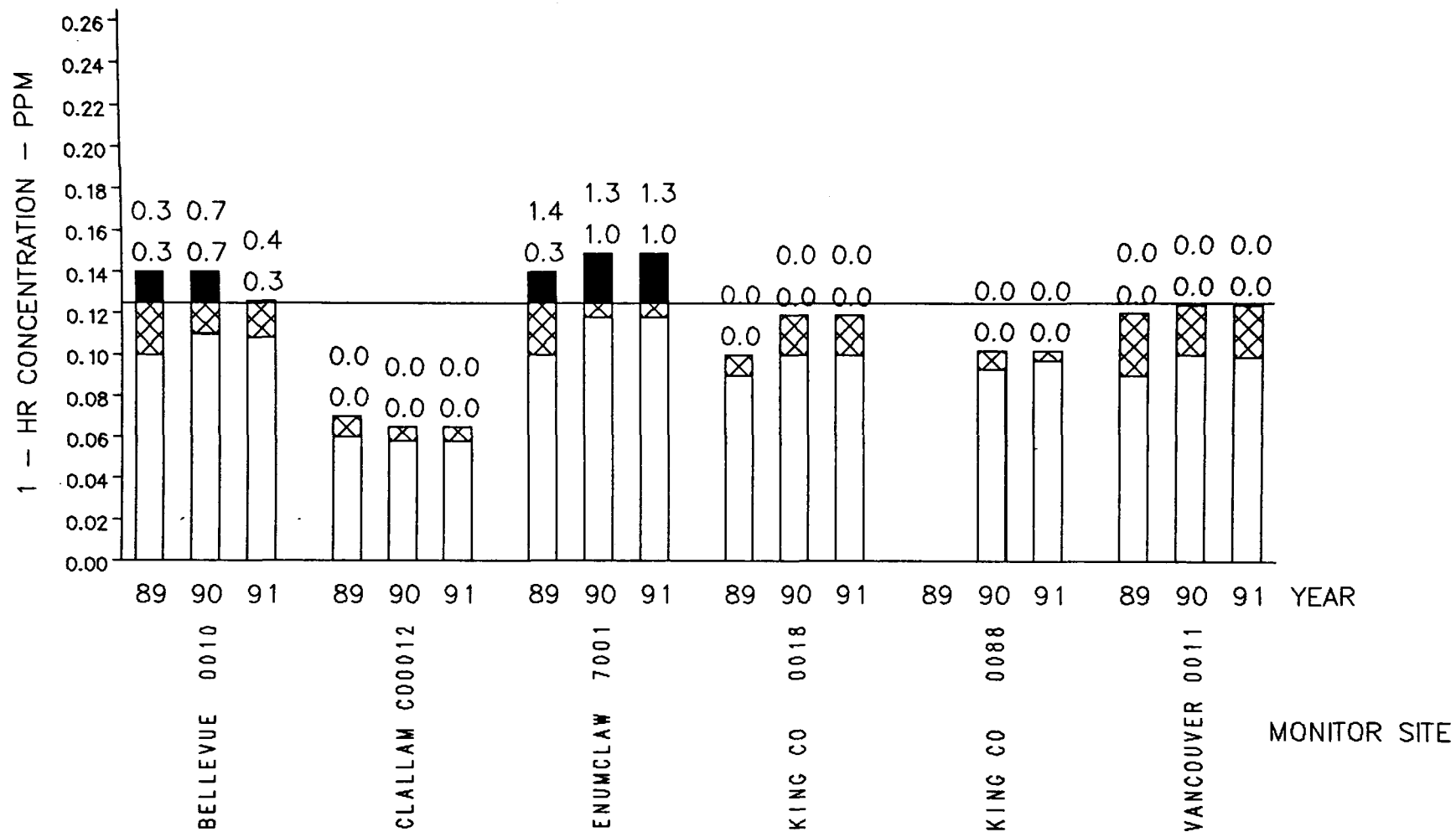


TOP NUM. = AVERAGE EXPECTED EXCEEDANCES PAST 3 YRS  
 BOTTOM NUM = AVERAGE MEASURED EXCEEDANCES PAST 3 YRS  
 TOP BAR = 1ST MAX BOTTOM BAR = 4TH MAX

FIGURE 20

# WASHINGTON OZONE ATTAINMENT STATUS 1989 THROUGH 1991

LINE = 1-HR OZONE STANDARD OF .125 PPM



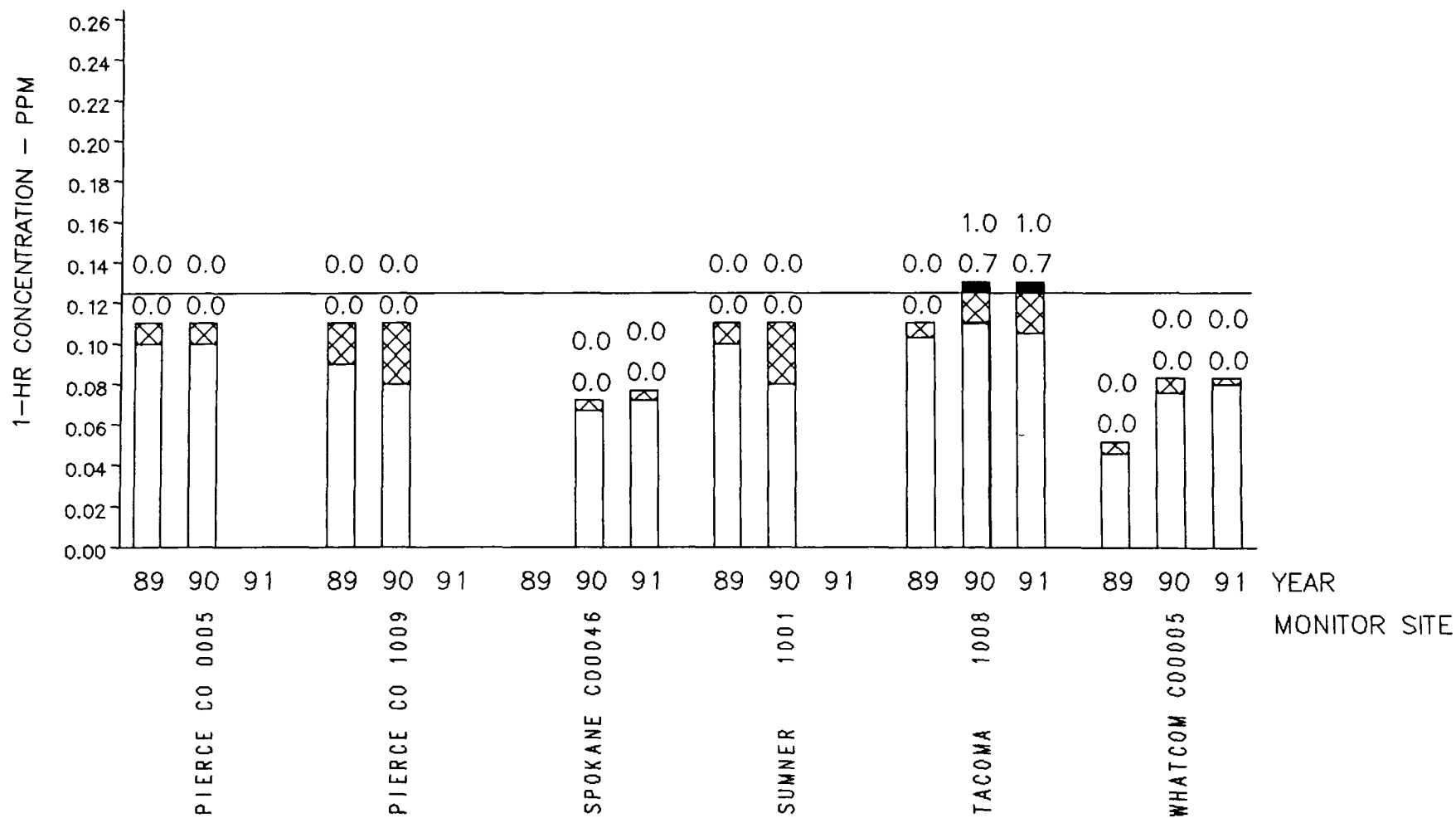
TOP NUM. = AVERAGE EXPECTED EXCEEDANCES PAST 3 YRS  
 BOTTOM NUM = AVERAGE MEASURED EXCEEDANCES PAST 3 YRS  
 TOP BAR = 1ST MAX BOTTOM BAR = 4TH MAX

FIGURE 21



# WASHINGTON OZONE ATTAINMENT STATUS 1989 THROUGH 1991

LINE = 1-HR OZONE STANDARD OF .125 PPM



TOP NUM. = AVERAGE EXPECTED EXCEEDANCES PAST 3 YRS  
 BOTTOM NUM. = AVERAGE MEASURED EXCEEDANCES PAST 3 YRS  
 TOP BAR = 1ST MAX BOTTOM BAR = 4TH MAX

FIGURE 22

# OZONE TEMPERATURE ANALYSIS

## CATEGORIES OF MAXIMUM TEMPERATURES

EACH YEAR REPRESENTS THREE YEAR MOVING AVERAGES

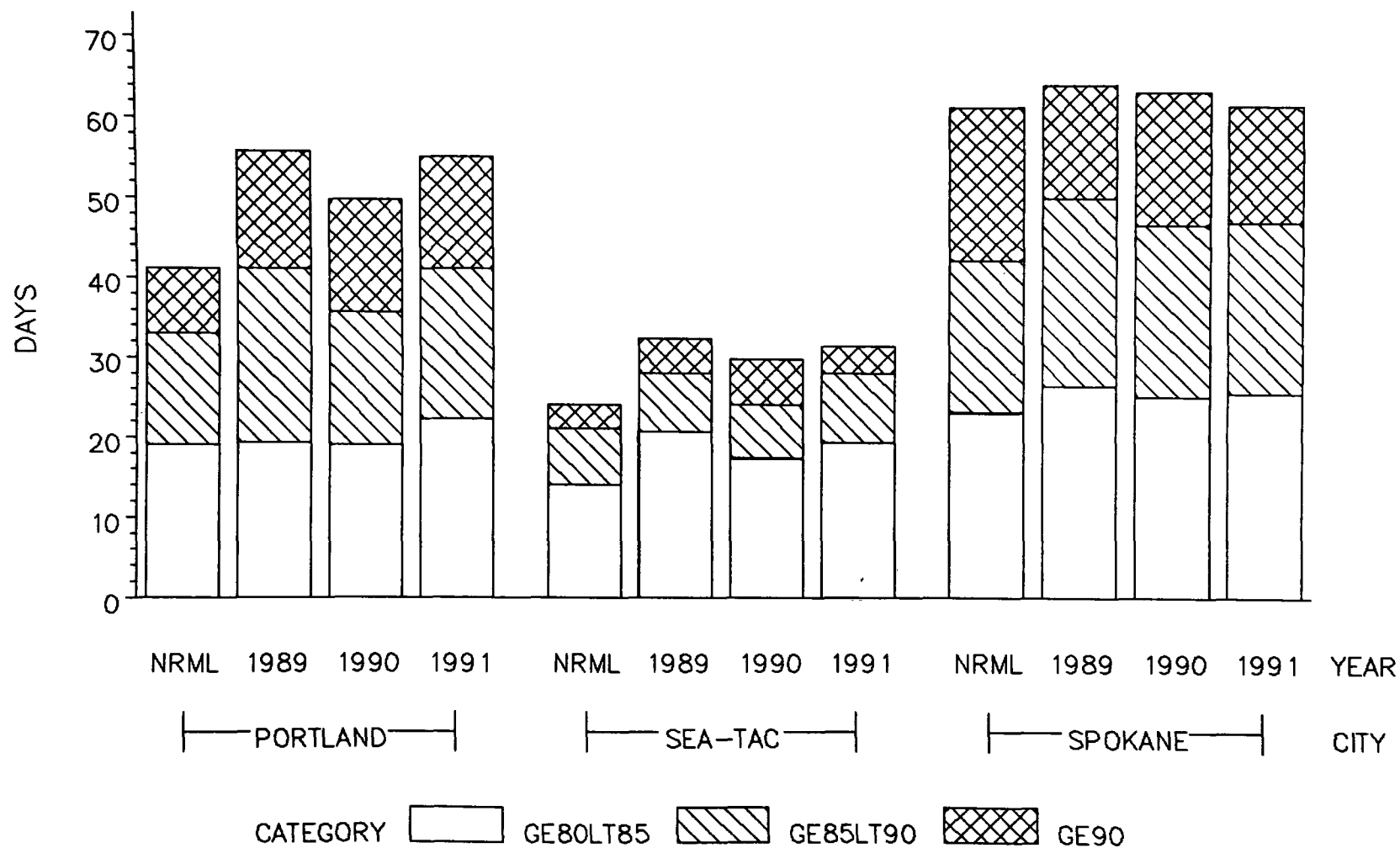
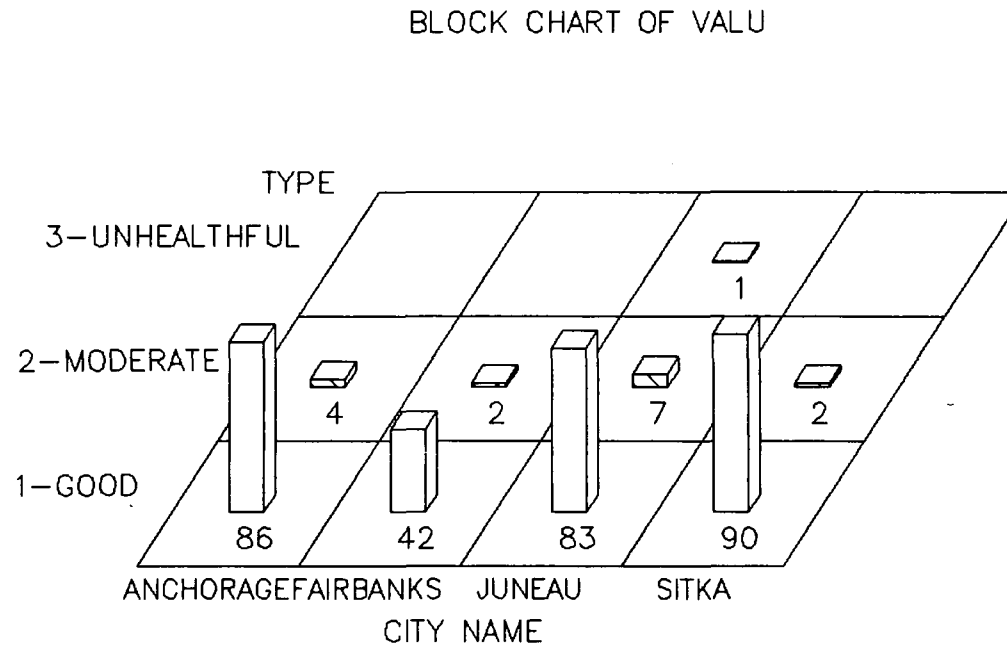


FIGURE 23

# PLOT FOR PSI CITIES IN ALASKA

QUARTER = THIRD YEAR = 1991

GRAPH DISPLAYS NUMBER OF DAYS IN EACH PSI CATEGORY



GOOD = 0 - 50  
MODERATE = 51 - 100  
UNHEALTHFUL = 101 - 199  
VERY UNHEALTHFUL = 200 - 299  
HAZARDOUS = > 299

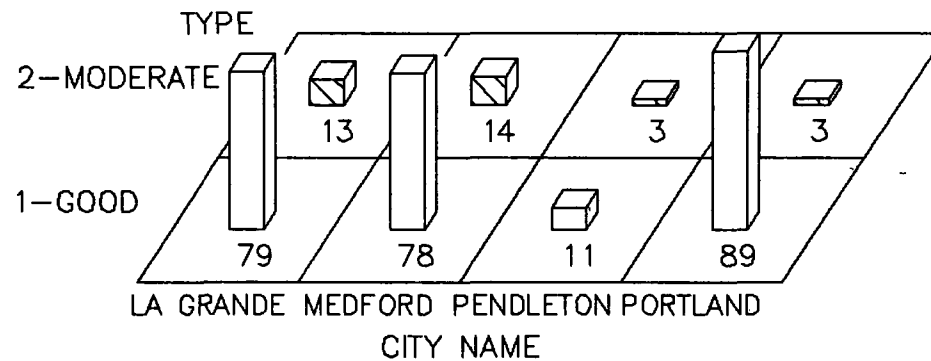
FIGURE 24

# PLOT PSI FOR CITIES IN OREGON

QUARTER = THIRD YEAR = 1991

GRAPH DISPLAYS NUMBER OF DAYS IN EACH PSI CATEGORY

BLOCK CHART OF VALU



GOOD = 0 - 50  
MODERATE = 51 - 100  
UNHEALTHFUL = 101 - 199  
VERY UNHEALTHFUL = 200 - 299  
HAZARDOUS = > 299

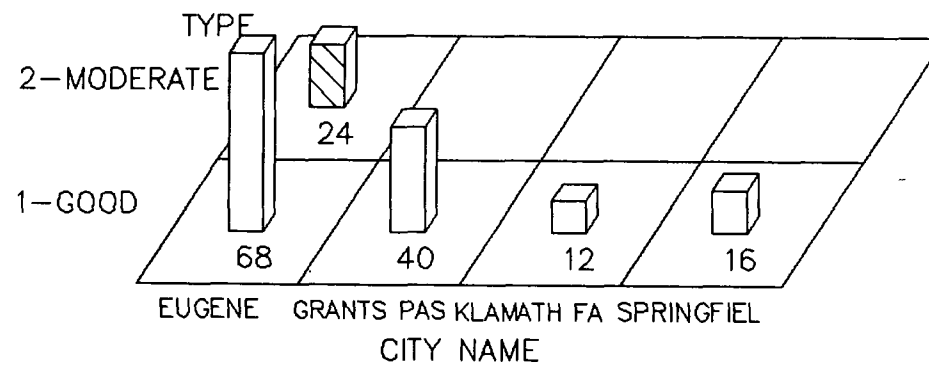
FIGURE 25

# PLOT OF PSI FOR CITIES IN OREGON

QUARTER = THIRD YEAR = 1991

GRAPH DISPLAYS NUMBER OF DAYS IN EACH PSI CATEGORY

BLOCK CHART OF VALU



GOOD = 0 - 50

MODERATE = 51 - 100

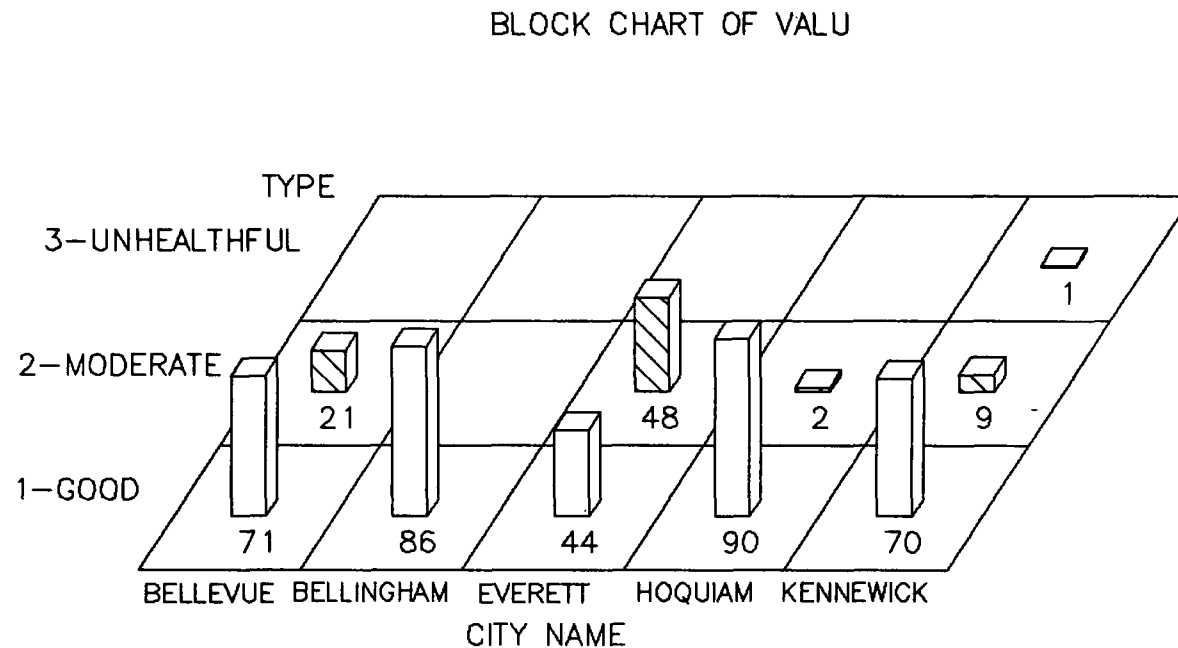
UNHEALTHFUL = 101 - 199

VERY UNHEALTHFUL = 200 - 299

HAZARDOUS = > 299

FIGURE 26

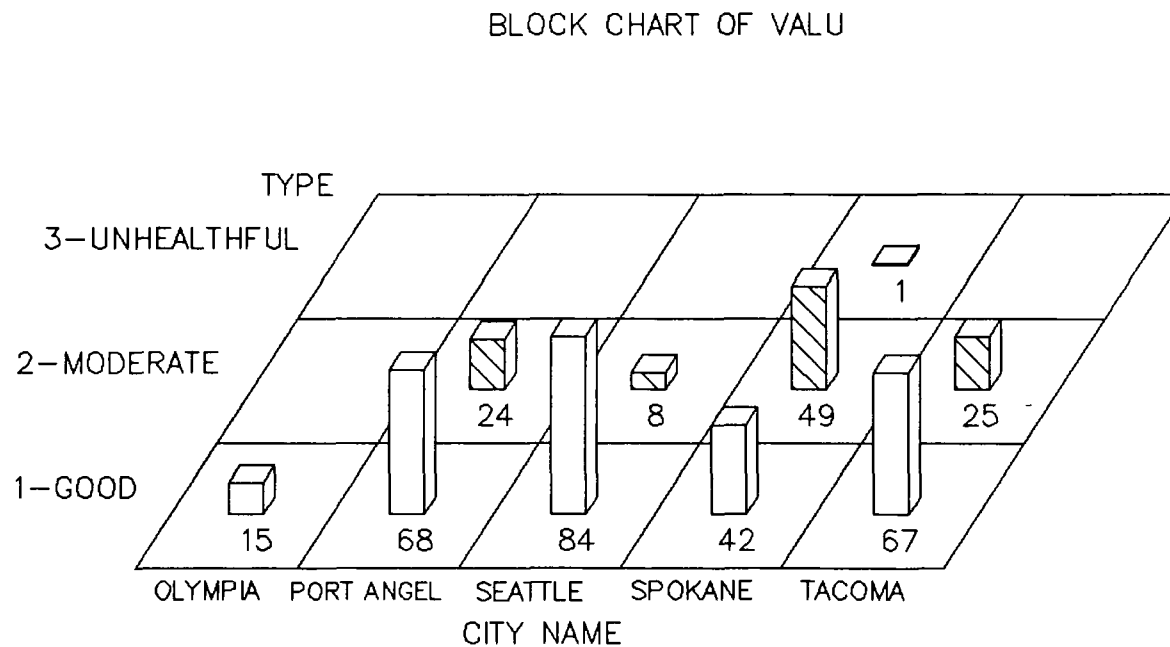
PLOT OF PSI FOR CITIES IN WASHINGTON  
 QUARTER = THIRD YEAR = 1991  
 GRAPH DISPLAYS NUMBER OF DAYS IN EACH PSI CATEGORY



GOOD = 0 - 50  
 MODERATE = 51 - 100  
 UNHEALTHFUL = 101 - 199  
 VERY UNHEALTHFUL = 200 - 299  
 HAZARDOUS = > 299

FIGURE 27

PLOT OF PSI FOR CITIES IN WASHINGTON  
 QUARTER = THIRD YEAR = 1991  
 GRAPH DISPLAYS NUMBER OF DAYS IN EACH PSI CATEGORY



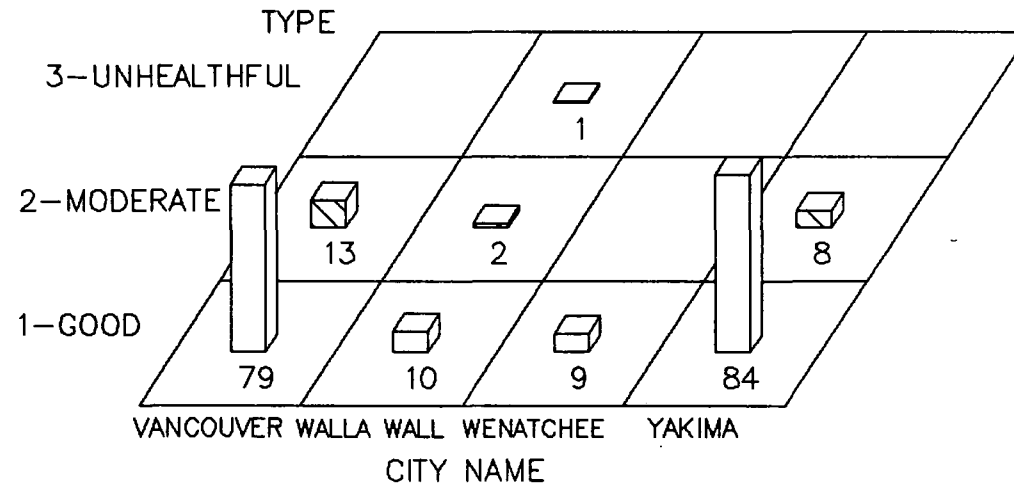
GOOD = 0 - 50  
 MODERATE = 51 - 100  
 UNHEALTHFUL = 101 - 199  
 VERY UNHEALTHFUL = 200 - 299  
 HAZARDOUS = > 299

FIGURE 28

PLOT OF PSI FOR CITIES IN WASHINGTON  
QUARTER = THIRD YEAR = 1991

GRAPH DISPLAYS NUMBER OF DAYS IN EACH PSI CATEGORY

BLOCK CHART OF VALU



GOOD = 0 - 50  
MODERATE = 51 - 100  
UNHEALTHFUL = 101 - 199  
VERY UNHEALTHFUL = 200 - 299  
HAZARDOUS = > 299

FIGURE 29



***EPA REGION 10  
AIR MONITORING NETWORK  
MAY, 1992***

AGE: 0001

ALASKA AIR MONITORING NETWORK  
REVISED MAY 1992

RETRIEVAL DATE: 92/05/06

| COUNTY/<br>CITY                   | AIRS CODE | POC<br>CODE | STREET ADDRESS                  | MONITORING<br>TYPE | START<br>DATE |
|-----------------------------------|-----------|-------------|---------------------------------|--------------------|---------------|
| -----                             |           |             |                                 |                    |               |
| TSP SITES                         |           |             |                                 |                    |               |
| KETCHIKAN GATEWAY BO<br>KETCHIKAN | 021300007 | 1           | VALLEY PARK ELEM/1410 SCHOENBAR | SPM                | 01/90         |

## ALASKA AIR MONITORING NETWORK

RETRIEVAL DATE: 92/05/06

| COUNTY/<br>CITY | AIRS CODE | POC<br>CODE | REVISED<br>MAY 1992<br>STREET ADDRESS | MONITORING<br>TYPE | START<br>DATE |
|-----------------|-----------|-------------|---------------------------------------|--------------------|---------------|
|-----------------|-----------|-------------|---------------------------------------|--------------------|---------------|

\*\*\*\*\*

## CARBON MONOXIDE SITES

\* ANCHORAGE BOROUGH  
ANCHORAGE

|           |   |   |       |       |
|-----------|---|---|-------|-------|
| 020200013 | 1 | 625 C ST                                | SPM   | 01/75 |
| 020200017 | 1 | SPENARD & BENSON/2902 SPENARD RD        | SLAMS | 01/78 |
| 020200018 | 1 | TRINITY CHRISTIAN CHURCH/3000 E 16TH    | SLAMS | 01/79 |
| 020200021 | 1 | SAND LAKE DISTRICT/3426 RASPBERRY RD    | SLAMS | 01/80 |
| 020200037 | 1 | SEWARD HWY & BENSON/3002 NEW SEWARD HWY | SPM   | 10/87 |

\* FAIRBANKS NORTH STAR  
FAIRBANKS

|           |   |                               |       |       |
|-----------|---|-------------------------------|-------|-------|
| 020900002 | 1 | FEDERAL BLDG/2ND & CUSHMAN    | SLAMS | 01/72 |
| 020900013 | 1 | STATE OFFICE BLDG/675 7TH AVE | SLAMS | 01/72 |
| 020900020 | 1 | HUNTER ELEM/17TH & GILLIAM WY | SLAMS | 01/79 |

ALASKA AIR MONITORING NETWORK  
REVISED MAY 1992

RETRIEVAL DATE: 92/05/06

| COUNTY/<br>CITY        | AIRS CODE | POC<br>CODE | STREET ADDRESS                   | MONITORING<br>TYPE | START<br>DATE |
|------------------------|-----------|-------------|----------------------------------|--------------------|---------------|
| *****                  |           |             |                                  |                    |               |
| SULFUR DIOXIDE SITES   |           |             |                                  |                    |               |
| SITKA BOROUGH<br>SITKA | 022200008 | 1           | HEART LAKE/.25 MILE BLUE LAKE RD | SLAMS              | 10/90         |

| COUNTY/<br>CITY | AIRS CODE | POC<br>CODE | REVIS<br>ED | MAY 1992 | STREET ADDRESS | MONITORING<br>TYPE | START<br>DATE |
|-----------------|-----------|-------------|-------------|----------|----------------|--------------------|---------------|
|-----------------|-----------|-------------|-------------|----------|----------------|--------------------|---------------|

\*\*\*\*\*

OZONE SITES

|                                     |           |   |  |  |                      |     |       |
|-------------------------------------|-----------|---|--|--|----------------------|-----|-------|
| * YUKON-KOYUKUK CA<br>NOT IN A CITY | 022900003 | 1 |  |  | DENALI NATIONAL PARK | SPM | 11/86 |
|-------------------------------------|-----------|---|--|--|----------------------|-----|-------|

## ALASKA AIR MONITORING NETWORK

RETRIEVAL DATE: 92/05/06

REVISED MAY 1992

COUNTY/  
CITY

AIRS CODE

POC  
CODE

STREET ADDRESS

MONITORING  
TYPESTART  
DATE

## PM10 SITES

\* ANCHORAGE BOROUGH  
ANCHORAGE

|           |   |                                   |       |       |
|-----------|---|-----------------------------------|-------|-------|
| 020200026 | 1 | GAMBELL RD/1820 GAMBELL           | NAMS  | 01/88 |
| 020200042 | 1 | OCEAN VIEW ELEM/11911 JOHNS RD    | SLAMS | 10/90 |
| 020200039 | 1 | 18216 BARONOF ST, EAGLE RIVER     | SLAMS | 08/88 |
| 020201004 | 2 | PARKGATE-EAGLE RIVER, EAGLE RIVER | SLAMS | 10/87 |

NOT IN A CITY

\* FAIRBANKS NORTH STAR  
FAIRBANKS

|           |   |                                     |       |       |
|-----------|---|-------------------------------------|-------|-------|
| 020900010 | 2 | 675 7TH AVE                         | SLAMS | 10/87 |
| 020900025 | 2 | HERTZ BLDG/AIRPORT WY & STACIA ST   | SLAMS | 01/88 |
| 020900027 | 1 | WEST PARK/STEELHEAD RD AT DARTMOUTH | SLAMS | 12/88 |

\* JUNEAU BOROUGH  
JUNEAU

|           |   |   |       |       |
|-----------|---|---|-------|-------|
| 021100004 | 2 | F DRYDEN JR HIGH/MENDENHALL LOOP RD     | SLAMS | 01/86 |
| 021100015 | 1 | LOT #6 PINE STREET-LEMON CREEK          | SLAMS | 10/87 |
| 021100016 | 2 | GLACIER AUTO(A)/MENDENHALL VILLAGE MALL | SLAMS | 02/87 |
| 021100019 | 1 | TRIO STREET/3800 PORTAGE BLVD           | SLAMS | 10/89 |

\* KETCHIKAN GATEWAY BO  
KETCHIKAN

|           |   |                                 |     |       |
|-----------|---|---------------------------------|-----|-------|
| 021300007 | 1 | VALLEY PARK ELEM/1410 SCHOENBAR | SPM | 01/90 |
|-----------|---|---------------------------------|-----|-------|

\* SITKA BOROUGH  
SITKA

|           |   |                                  |       |       |
|-----------|---|----------------------------------|-------|-------|
| 022200008 | 1 | HEART LAKE/.25 MILE BLUE LAKE RD | SLAMS | 10/90 |
|-----------|---|----------------------------------|-------|-------|

## IDAHO AIR MONITORING NETWORK

RETRIEVAL DATE: 92/05/07

| COUNTY/<br>CITY | AIRS CODE | POC<br>CODE | REVISED<br>MAY 1992<br>STREET ADDRESS | MONITORING<br>TYPE | START<br>DATE |
|-----------------|-----------|-------------|---------------------------------------|--------------------|---------------|
| -----           |           |             |                                       |                    |               |
| TSP SITES       |           |             |                                       |                    |               |
| * ADA CO        |           |             |                                       |                    |               |
| BOISE CITY      | 160010001 | 1           | WHITNEY FIRE STATION/9500 OVERLAND RD | SLAMS              | 01/72         |
| * SHOSHONE CO   |           |             |                                       |                    |               |
| KELLOGG         | 160790006 | 1           | MEDICAL CLINIC/204 OREGON             | SLAMS              | 01/71         |
| * TWIN FALLS CO |           |             |                                       |                    |               |
| NOT IN A CITY   | 160830004 | 1           | HANSEN SCHOOL/208 S MAIN, HANSEN      | UNKNOWN            | 02/89         |

PAGE: 0002

IDAHO AIR MONITORING NETWORK

RETRIEVAL DATE: 92/05/07

| COUNTY/<br>CITY | AIRS CODE | POC<br>CODE | REVISED<br>MAY 1992<br>STREET ADDRESS | MONITORING<br>TYPE | START<br>DATE |
|-----------------|-----------|-------------|---------------------------------------|--------------------|---------------|
|-----------------|-----------|-------------|---------------------------------------|--------------------|---------------|

LEAD SITES

|                        |           |   |                           |       |       |
|------------------------|-----------|---|---------------------------|-------|-------|
| SHOSHONE CO<br>KELLOGG | 160790006 | 1 | MEDICAL CLINIC/204 OREGON | SLAMS | 01/71 |
|------------------------|-----------|---|---------------------------|-------|-------|



| COUNTY/<br>CITY | AIRS CODE | POC<br>CODE | REVISED<br>MAY 1992<br>STREET ADDRESS | MONITORING<br>TYPE | START<br>DATE |
|-----------------|-----------|-------------|---------------------------------------|--------------------|---------------|
|-----------------|-----------|-------------|---------------------------------------|--------------------|---------------|

-----\*

CARBON MONOXIDE SITES

|                        |           |   |                              |       |       |
|------------------------|-----------|---|------------------------------|-------|-------|
| * ADA CO<br>BOISE CITY | 160010007 | 1 | ODD FELLOWS BLDG/115.2 N 9TH | SLAMS | 01/75 |
|------------------------|-----------|---|------------------------------|-------|-------|

IDAHO AIR MONITORING NETWORK  
REVISED MAY 1992

RETRIEVAL DATE: 92/05/07

| COUNTY/<br>CITY                | AIRS CODE | POC<br>CODE | STREET ADDRESS                   | MONITORING<br>TYPE | START<br>DATE |
|--------------------------------|-----------|-------------|----------------------------------|--------------------|---------------|
| *****SULFUR DIOXIDE SITES***** |           |             |                                  |                    |               |
| BANNOCK CO<br>POCATELLO        | 160050004 | 2           | STP/BATISTE & CHUBBUCK RD        | SLAMS              | 01/81         |
| CARIBOU CO<br>SODA SPRINGS     | 160290027 | 1           | CONDA RD/1.2 MILES E OF STATE 34 | SLAMS              | 01/84         |

| COUNTY/<br>CITY | AIRS CODE | POC<br>CODE | REVISED<br>MAY 1992<br>STREET ADDRESS | MONITORING<br>TYPE | START<br>DATE |
|-----------------|-----------|-------------|---------------------------------------|--------------------|---------------|
|-----------------|-----------|-------------|---------------------------------------|--------------------|---------------|

OZONE SITES

|               |           |   |                                   |     |       |
|---------------|-----------|---|-----------------------------------|-----|-------|
| * KOOTENAI CO |           |   |                                   |     |       |
| COEUR D'ALENE | 160550008 | 1 | AIRPORT/10969 RAMSEY RD           | SPM | 08/89 |
| * Owyhee CO   |           |   |                                   |     |       |
| NOT IN A CITY | 160738001 | 1 | USDA ARS TICKBORNE DISEASE CENTER | SPM | 04/89 |

## IDAHO AIR MONITORING NETWORK

RETRIEVAL DATE: 92/05/07

REVISED

MAY 1992

COUNTY/  
CITY

AIRS CODE

POC  
CODE

STREET ADDRESS

MONITORING  
TYPESTART  
DATE

\*\*\*\*\*

## PM10 SITES

|                 |           |   |  |       |       |
|-----------------|-----------|---|--|-------|-------|
| * ADA CO        |           |   |  |       |       |
| BOISE CITY      | 160010003 | 1 | FIRE STATION - FAIRVIEW @ LIBERTY        | SLAMS | 02/89 |
|                 | 160010009 | 1 | FIRE STATION #5/16TH & FRONT             | NAMS  | 01/86 |
|                 | 160010011 | 1 | MTN VIEW SCHOOL/3500 CARBARTON LANE      | NAMS  | 01/86 |
|                 | 160010012 | 1 | 1740 E BERGESON                          | SLAMS | 11/90 |
| * BANNOCK CO    |           |   |  |       |       |
| CHUBBUCK        | 160050006 | 1 | CHUBBUCK/5045 HAWTHORNE RD               | SLAMS | 04/88 |
| POCATELLO       | 160050004 | 1 | STP/BATISTE & CHUBBUCK RD                | SLAMS | 01/86 |
|                 | 160050005 | 1 | I.S.U. ( CARTER & 8TH STREET )           | SLAMS | 01/88 |
|                 | 160050015 | 1 | CORNER OF GARRET @ GOULD                 | SLAMS | 11/90 |
|                 | 160050017 | 1 | S W OF WESTWOOD VLG. MALL ON ID DEPT PRP | SLAMS | 11/90 |
| * BLAINE CO     |           |   |  |       |       |
| NOT IN A CITY   | 160130002 | 1 | 9TH STREET ATKINSON PARK                 | SLAMS | 10/90 |
| * BONNER CO     |           |   |  |       |       |
|                 | 160170002 | 1 | ( HOPE ) # 1 RANCH GRASSBURN             | SLAMS | 08/89 |
| SANDPOINT       | 160170001 | 1 | SANDPOINT POST OFFICE                    | SLAMS | 01/86 |
| * BONNEVILLE CO |           |   |  |       |       |
| IDAHO FALLS     | 160190005 | 1 | CORNER 6HT & N LEE ST.                   | SLAMS | 01/89 |
| * CARIBOU CO    |           |   |  |       |       |
| SODA SPRINGS    | 160290027 | 1 | CONDA RD/1.2 MILES E OF STATE 34         | SLAMS | 01/86 |
|                 | 160290030 | 1 | ( NORTON ) STATE HIGHWAY 34              | SLAMS | 11/89 |
| * CLEARWATER CO |           |   |  |       |       |
| OROFINO         | 160350001 | 1 | 150 MICHIGAN AVE.                        | SLAMS | 10/88 |
| * KOOTENAI CO   |           |   |  |       |       |
| COEUR D'ALENE   | 160550006 | 1 | LAKES MIDDLE SCHOOL/930 N 15TH ST        | SLAMS | 10/87 |
| HAYDEN          | 160550007 | 1 | GOVERNMENT WAY & HAYDEN AVE N.E. CORNER  | SLAMS | 08/90 |
| POST FALLS      | 160550009 | 1 | 1/2 BLK W OF LINCOLN & 3RD TEMPLINS RSRT | SLAMS | 12/90 |
| * LATAH CO      |           |   |  |       |       |
| MOSCOW          | 160570004 | 1 | HIGH SCHOOL ANNEX BLDG/325 E 3RD         | SLAMS | 02/87 |

| COUNTY/<br>CITY                | AIRS CODE | POC<br>CODE | REVISED<br>MAY 1992<br>STREET ADDRESS | MONITORING<br>TYPE | START<br>DATE |
|--------------------------------|-----------|-------------|---------------------------------------|--------------------|---------------|
| -----                          |           |             |                                       |                    |               |
| PM10 SITES                     |           |             |                                       |                    |               |
| * LEMHI CO<br>SALMON           | 160590001 | 1           | 401 CHALLIS                           | SLAMS              | 11/90         |
| * LEWIS CO<br>NOT IN A CITY    | 160610001 | 1           | 903 3RD STREET                        | SLAMS              | 12/91         |
| * NEZ PERCE CO<br>LEWISTON     | 160690009 | 1           | STATE OFFICE BLDG/1118 F ST           | SLAMS              | 01/86         |
|                                | 160690010 | 1           | 1409 8TH STREET                       | SLAMS              | 09/88         |
|                                | 160690011 | 1           | CORNER OF GARRET & GOULD              | SLAMS              | 11/90         |
| * SHOSHONE CO<br>NOT IN A CITY | 160790017 | 1           | PINEHURST SCHOOL, PINEHURST           | SLAMS              | 01/86         |
|                                | 160790029 | 1           | RADIO STATION AT 120 1ST ST.          | SLAMS              | 11/91         |
| * TWIN FALLS CO                | 160830004 | 1           | HANSEN SCHOOL/208 S MAIN, HANSEN      | SLAMS              | 02/89         |

REVISED MAY 1992

COUNTY/  
CITY

AIRS CODE

POC  
CODE

STREET ADDRESS

MONITORING  
TYPESTART  
DATE

\*\*\*\*\*

## TSP SITES

\* JACKSON CO  
MEDFORD

410293001

1  
2

MEDFORD CO COURTHOUSE/MAIN &amp; OAKDALE

UNKNOWN  
SPM01/61  
01/61\* LANE CO  
EUGENE

410390013

1

LANE COMM COLLEGE/1059 WILLAMETTE

SPM

06/80

\* MULTNOMAH CO  
PORTLAND

410510003

1

ROOSEVELT HIGH/6941 N CENTRAL AVE

SPM

01/70

410510015

1

CENTRAL FIRE STATION/55 SW ASH

SPM

01/70

410510080

1

SE LAFAYETTE/5824 SE LAFAYETTE

SPM

01/88

MAY 1992

START  
DATE

\*\*\*\*\*

|                |           |   |                                      |       |  |       |
|----------------|-----------|---|--------------------------------------|-------|--|-------|
| * JACKSON CO   |           |   |                                      |       |  |       |
| MEDFORD        | 410293001 | 1 | MEDFORD CO COURTHOUSE/MAIN & OAKDALE | SLAMS |  | 01/84 |
| * LANE CO      |           |   |                                      |       |  |       |
| EUGENE         | 410390013 | 1 | LANE COMM COLLEGE/1059 WILLAMETTE    | SLAMS |  | 01/84 |
| * MULTNOMAH CO |           |   |                                      |       |  |       |
| PORTLAND       | 410510015 | 1 | CENTRAL FIRE STATION/55 SW ASH       | SLAMS |  | 01/84 |
|                | 410510080 | 1 | SE LAFAYETTE/5824 SE LAFAYETTE       | NAMS  |  | 01/82 |
|                | 410510082 | 1 | I-5 & FAILING ST/116 N FAILING ST    | NAMS  |  | 01/82 |
|                | 410510084 | 1 | I-205/96TH & SCHILLER                | SPM   |  | 01/84 |

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MAY 1992

COUNTY/  
CITY

AIRS CODE

POC  
CODE

STREET ADDRESS

MONITORING  
TYPESTART  
DATE

\*\*\*\*\*

## CARBON MONOXIDE SITES

|                |           |   |   |       |       |
|----------------|-----------|---|---|-------|-------|
| * CLACKAMAS CO | 410050113 | 1 | 7-11 STORE CSE/15970 SE 82ND DR         | SPM   | 10/90 |
| * DESCHUTES CO |           |   |   |       |       |
| BEND           | 410170002 | 1 | BILL TAYLOR REALTY/934 NE 3RD           | SPM   | 11/87 |
| * JACKSON CO   |           |   |   |       |       |
| MEDFORD        | 410290009 | 1 | BROPHY BLDG/MAIN & CENTRAL              | SLAMS | 01/80 |
|                | 410290018 | 1 | ROUGE VALLEY MALL/1502 N RIVERSIDE      | SPM   | 09/86 |
| * JOSEPHINE CO |           |   |   |       |       |
| GRANTS PASS    | 410330006 | 1 | WING BLDG/215 SE 6TH                    | SLAMS | 01/81 |
| * KLAMATH CO   |           |   |   |       |       |
| KLAMATH FALLS  | 410350006 | 1 | OPAL WATERS/2326 HOPE ST                | SPM   | 03/87 |
| * LANE CO      |           |   |   |       |       |
| EUGENE         | 410390013 | 1 | LANE COMM COLLEGE/1059 WILLAMETTE       | SLAMS | 01/80 |
|                | 410392062 | 1 | SACRED HEART HOSP./1255 HILYARD, EUGENE | SPM   | 08/89 |
| * MARION CO    |           |   |   |       |       |
| SALEM          | 410470037 | 1 | SLC/690 LANCASTER DR NE                 | SLAMS | 06/90 |
| * MULTNOMAH CO |           |   |   |       |       |
| PORTLAND       | 410510078 | 1 | NEWBERRY'S/SW 4TH & ALDER               | NAMS  | 01/75 |
|                | 410510080 | 1 | SE LAFAYETTE/5824 SE LAFAYETTE          | NAMS  | 12/80 |
|                | 410510087 | 1 | POSTAL BLDG/510 SW 3RD                  | SLAMS | 12/87 |
|                | 410510243 | 1 | PED/8210 SE DIVISION ST                 | SLAMS | 12/89 |



| COUNTY/<br>CITY | AIRS CODE | POC<br>CODE | REVISED<br>MAY 1992<br>STREET ADDRESS | MONITORING<br>TYPE | START<br>DATE |
|-----------------|-----------|-------------|---------------------------------------|--------------------|---------------|
| *****           |           |             |                                       |                    |               |

SULFUR DIOXIDE SITES

|           |   |  |      |       |
|-----------|---|--|------|-------|
| 410510074 | 1 | STD OIL OF CALIF OFFICES/5531 NW DOONE | NAMS | 01/73 |
|-----------|---|--|------|-------|

OREGON AIR MONITORING NETWORK  
REVISED MAY 1992

RETRIEVAL DATE: 92/05/06

| COUNTY/<br>CITY        | AIRS CODE | POC<br>CODE | STREET ADDRESS                      | MONITORING<br>TYPE | START<br>DATE |
|------------------------|-----------|-------------|-------------------------------------|--------------------|---------------|
| *****                  |           |             |                                     |                    |               |
| NITROGEN DIOXIDE SITES |           |             |                                     |                    |               |
|                        | 410510080 | 1           | SE LAFAYETTE/5824 SE LAFAYETTE      | NAMS               | 01/84         |
|                        | 410510240 | 1           | 830 SE SELWOOD BLVD. PORTLAND 97202 | NAMS               | 07/87         |

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MAY 1992

COUNTY/  
CITY

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POC  
CODE

STREET ADDRESS

MONITORING  
TYPESTART  
DATE

## OZONE SITES

|                |           |   |   |       |       |
|----------------|-----------|---|---|-------|-------|
| * CLACKAMAS CO |           |   |   |       |       |
| CANBY          | 410050004 | 1 | CARUS TRAILER/SPANGLER RD               | NAMS  | 07/76 |
| MILWAUKIE      | 410052001 | 1 | MILWAUKIE HIGH/11300 SE 23RD ST         | NAMS  | 06/74 |
| * COLUMBIA CO  |           |   |   |       |       |
| NOT IN A CITY  | 410090004 | 1 | SAUVIE ISLAND-SSB/ROUTE 1, BOX 442      | SLAMS | 01/80 |
| * JACKSON CO   |           |   |   |       |       |
|                | 410290010 | 1 | 4624 S PACIFIC HWY, PHOENIX             | SLAMS | 01/82 |
| * KLAMATH CO   |           |   |   |       |       |
|                | 410358001 | 1 | CRATER LAKE NATIONAL PARK               | SPM   | 09/89 |
| * LANE CO      |           |   |   |       |       |
| EUGENE         | 410390060 | 1 | AMAZON PARK/499 E 29TH                  | SPM   | 01/85 |
| NOT IN A CITY  | 410391007 | 1 | 79980 DELIGHT VALLEY SCHOOL RD, SAGINAW | SLAMS | 01/85 |

## OREGON AIR MONITORING NETWORK

RETRIEVAL DATE: 92/05/06

REVISED

MAY 1992

COUNTY/  
CITY

AIRS CODE

POC  
CODE

STREET ADDRESS

MONITORING  
TYPESTART  
DATE

\*\*\*\*\*

## PM10 SITES

|  |           |   |   |       |       |
|--|-----------|---|---|-------|-------|
| CLACKAMAS CO<br>CANBY                      | 410050004 | 1 | CARUS TRAILER/SPANGLER RD               | SLAMS | 01/83 |
|  |           | 2 |   | SPM   | 01/83 |
| DESCHUTES CO<br>BEND                       | 410170003 | 1 | KENWOOD GRADE SCHOOL/701 NW NEWPORT     | SLAMS | 11/87 |
|  |           | 2 |   | SPM   | 04/88 |
|  | 410170113 | 1 | BEN/794 NW NEWPORT, BEND, OR            | SPM   | 01/92 |
| DOUGLAS CO<br>ROSEBURG                     | 410190121 | 1 | WRYN RESIDENCE/124 W CARDINAL WAY       | SPM   | 12/90 |
|  | 410190122 | 1 | 1623 N.E. VINE ST., ROSEBURG            | SPM   | 08/91 |
| JACKSON CO<br>CENTRAL POINT<br><br>MEDFORD | 410291001 | 1 | JACOBSEN RES/4035 DODGE RD              | SPM   | 01/83 |
|  | 410298002 | 1 | CENTRAL POINT SHOPS/399 S 5TH ST        | SPM   | 12/90 |
|  | 410292129 | 1 | 711 WELCH ST                            | SPM   | 07/89 |
|  |           | 2 |   | SPM   | 08/89 |
|  | 410292131 | 1 | WASHINGTON SCHOOL/610 S PEACH ST        | SPM   | 12/90 |
|  | 410292132 | 1 | FALLIN RESIDENCE/608 BERRYDALE          | SPM   | 12/90 |
|  | 410293001 | 1 | MEDFORD CO COURTHOUSE/MAIN & OAKDALE    | SLAMS | 01/83 |
|  |           | 2 |   | SPM   | 01/85 |
| WHITE CITY                                 | 410294001 | 1 | POST OFFICE/751 CRATER LAKE HWY         | SLAMS | 01/85 |
| JOSEPHINE CO<br>GRANTS PASS                | 410330008 | 1 | 11TH & K (GPK)/INTERSECTION 11TH & K ST | SLAMS | 01/85 |
|  |           | 2 |   | SPM   | 01/85 |
| KLAMATH CO<br>KLAMATH FALLS                | 410350004 | 1 | PETERSON ELEM/4856 CLINTON ST           | SLAMS | 01/86 |
|  |           | 2 |   | SPM   | 01/86 |
|  | 410350006 | 1 | OPAL WATERS/2326 HOPE ST                | SPM   | 11/90 |
|  | 410350013 | 1 | 1211 MILLER IS. RD., KLAMATH FALLS      | SPM   | 08/91 |
|  | 410350014 | 1 | KFW/10500 HWY 140, KLAMATH FALLS        | SPM   | 10/91 |
| LAKE CO<br>LAKEVIEW                        | 410370001 | 1 | LCH/CENTER & M ST, LAKEVIEW, OR         | SPM   | 10/91 |

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| -----           |           |             |                                       |                    |               |
| PM10 SITES      |           |             |                                       |                    |               |
| * LANE CO       |           |             |                                       |                    |               |
| EUGENE          | 410390013 | 1           | LANE COMM COLLEGE/1059 WILLAMETTE     | SLAMS              | 01/85         |
|                 |           | 2           |                                       | SPM                | 01/85         |
|                 | 410390058 | 1           | KEY BANK/450 PACIFIC HWY N            | NAMS               | 01/85         |
|                 |           | 2           |                                       | SPM                | 01/88         |
| OAKRIDGE        | 410392013 | 1           | 47674 SCHOOL ST., OAKRIDGE            | SLAMS              | 11/89         |
|                 |           | 2           |                                       | SPM                | 11/89         |
| SPRINGFIELD     | 410391009 | 1           | CITY HALL/225 N 5TH                   | SLAMS              | 04/88         |
|                 | 410391061 | 1           | SPRINGFIELD HS/875 N 7TH, SPRINGFIELD | SPM                | 12/90         |
| * LINN CO       |           |             |                                       |                    |               |
| NOT IN A CITY   | 410430008 | 1           | 1805 NE OLD SALEM RD, MILLERSBURG     | SPM                | 01/86         |
|                 | 410439106 | 1           | 33144 LAKE CR. DR., HALSEY            | SPM                | 07/91         |
| * MULTNOMAH CO  |           |             |                                       |                    |               |
| PORTLAND        | 410510003 | 1           | ROOSEVELT HIGH/6941 N CENTRAL AVE     | SPM                | 01/88         |
|                 |           | 2           |                                       | SPM                | 01/88         |
|                 | 410510009 | 1           | TRANSCON/3182 NW 26TH                 | NAMS               | 01/85         |
|                 | 410510015 | 1           | CENTRAL FIRE STATION/55 SW ASH        | NAMS               | 12/82         |
|                 |           | 2           |                                       | SPM                | 01/83         |
|                 | 410510080 | 1           | SE LAFAYETTE/5824 SE LAFAYETTE        | NAMS               | 01/84         |
|                 |           | 2           |                                       | SPM                | 01/83         |
| * UMATILLA CO   |           |             |                                       |                    |               |
| PENDLETON       | 410590002 | 1           | STATE OFFICE BLDG/700 SE EMIGRANT ST  | SLAMS              | 01/83         |
|                 |           | 2           |                                       | SPM                | 01/86         |
| * UNION CO      |           |             |                                       |                    |               |
| LA GRANDE       | 410610006 | 1           | DOCKWILER'S RES (LDR)/161 N WILLOW    | SLAMS              | 01/86         |
|                 |           | 2           |                                       | SPM                | 02/86         |
|                 | 410610116 | 1           | NLO/1406 5TH ST                       | SPM                | 11/90         |

|           |           |   |                                       |       |       |
|-----------|-----------|---|---------------------------------------|-------|-------|
| * KING CO |           |   |                                       |       |       |
| SEATTLE   | 530330011 | 1 | LDS CHURCH/5701 8TH AVE NE            | SLAMS | 09/80 |
|           | 530330065 | 1 | HARBOR ISLAND TEXACO/2555 13TH AVE SW | SPM   | 01/83 |

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## LEAD SITES

|                       |           |   |  |         |       |
|-----------------------|-----------|---|--|---------|-------|
|                       | 530330011 | 1 | LDS CHURCH/5701 8TH AVE NE             | NAMS    | 01/79 |
|                       | 530330057 | 1 | DUWAMISH PUMP STA/4752 E MARGINAL WY S | UNKNOWN | 01/79 |
|                       | 530330065 | 1 | HARBOR ISLAND TEXACO/2555 13TH AVE SW  | SLAMS   | 01/83 |
| * PIERCE CO<br>TACOMA | 530531004 | 1 | FIRE STATION #12/2316 E 11TH ST        | UNKNOWN | 01/79 |

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| *****<br>CARBON MONOXIDE SITES |           |             |   |                    |               |
| CLARK CO<br>VANCOUVER          | 530110010 | 1           | ATLAS-COX UPHOLST/2101 E 4TH PLAIN BLVD | SLAMS              | 01/83         |
| KING CO<br>BELLEVUE            | 530331003 | 1           | STURTEVANT'S SPORTS/622 BELLEVUE WY     | SLAMS              | 01/79         |
| SEATTLE                        | 530330051 | 1           | SEATTLE MUNICIPAL BLDG/5TH & JAMES      | SLAMS              | 01/71         |
|                                | 530330077 | 1           | 4TH & PIKE BLDG/417 PIKE                | NAMS               | 04/77         |
|                                | 530330083 | 1           | NORTHGATE APTS/310 NE NORTHGATE WY      | SLAMS              | 01/81         |
| PIERCE CO<br>TACOMA            | 530530032 | 1           | PACIFIC AVE/1101 PACIFIC AVE            | SLAMS              | 12/83         |
| SNOHOMISH CO<br>EVERETT        | 530610012 | 1           | ERICKSON'S #2/2019 HEWITT AVE           | SLAMS              | 04/87         |
| SPOKANE CO<br>SPOKANE          | 530630040 | 1           | HAMILTON ST/N 1226 HAMILTON ST          | SLAMS              | 12/83         |
|                                | 530630043 | 1           | BACKDOOR TAVERN/N 1227 DIVISION         | SPM                | 12/89         |
|                                | 530630044 | 1           | EMPIRE FORD/W 423 3RD AVE               | SPM                | 12/89         |
|                                | 530630045 | 1           | SPOKANE CLUB/W 1002 RIVERSIDE           | SPM                | 05/90         |
| YAKIMA CO<br>YAKIMA            | 530770010 | 1           | JADE TREE RESTAURANT/YAKIMA & S 2ND ST  | SLAMS              | 01/83         |



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| *****                |           |             |  |                    |               |
| SULFUR DIOXIDE SITES |           |             |  |                    |               |
| * CLALLAM CO         |           |             |  |                    |               |
| NOT IN A CITY        | 530090012 | 1           | OLYMPIC NATIONAL PARK                    | SPM                | 11/82         |
| PORT ANGELES         | 530090010 | 1           | 3RD & CHESTNUT/250 CHESTNUT ST           | SLAMS              | 01/80         |
| * GRAYS HARBOR CO    |           |             |  |                    |               |
| HOQUIAM              | 530270003 | 1           | POSEY MANUFACTURING/FOOT OF ONTARIO ST   | SLAMS              | 06/84         |
| NOT IN A CITY        | 530270006 | 1           | SCHOOL BUS GARAGE/112 2ND ST, COSMOPOLIS | SLAMS              | 02/84         |
| * KING CO            |           |             |  |                    |               |
| SEATTLE              | 530330057 | 2           | DUWAMISH PUMP STA/4752 E MARGINAL WY S   | NAMS               | 08/71         |
| * PIERCE CO          |           |             |  |                    |               |
| TACOMA               | 530530021 | 1           | NE TACOMA/27TH ST & 54TH AVE NE          | NAMS               | 06/85         |
|                      | 530530031 | 1           | ALEXANDER AVE/2301 ALEXANDER AVE         | NAMS               | 02/87         |
| * SKAGIT CO          |           |             |  |                    |               |
| NOT IN A CITY        | 530570012 | 1           | TEXACO S/1224 BARTHOLOMEW AVE, ANACORTES | SLAMS              | 07/88         |
|                      | 530571003 | 1           | MARCH PT-KIESSER/ROUTE 2 - BOX 710       | SLAMS              | 01/71         |
| * SNOHOMISH CO       |           |             |  |                    |               |
| EVERETT              | 530610016 | 1           | HOYT AVE & 26TH ST                       | SLAMS              | 11/89         |
| * WHATCOM CO         |           |             |  |                    |               |
| BELLINGHAM           | 530730011 | 1           | CHESTNUT ST/CENTRAL & CHESTNUT ST        | SLAMS              | 01/83         |

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NITROGEN DIOXIDE SITES

|           |           |   |   |      |       |
|-----------|-----------|---|---|------|-------|
| * KING CO |           |   |   |      |       |
| SEATTLE   | 530330080 | 1 | BEACON HILL RESERVOIR CHARLESTON & 15TH | NAMS | 06/79 |
|           | 530330082 | 1 | UNION STATION 4TH AVE. S. & JACKSON ST. | NAMS | 08/81 |

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| -----                         |           |             |  |                    |               |
| OZONE SITES                   |           |             |  |                    |               |
| * CLALLAM CO<br>NOT IN A CITY | 530090012 | 1           | OLYMPIC NATIONAL PARK                    | SPM                | 11/82         |
| * CLARK CO<br>VANCOUVER       | 530110011 | 1           | MT VIEW SCHOOL/1500 SE BLAIRMOUNT DR     | SLAMS              | 05/88         |
| * KING CO<br>BELLEVUE         | 530330010 | 1           | LAKE SAMMAMISH STATE PARK/20050 SE 56TH  | NAMS               | 12/75         |
| ENUMCLAW                      | 530337001 | 1           | WEYERHAEUSER MILL/MAIN OFFICE BLDG       | SPM                | 08/85         |
| * PIERCE CO<br>TACOMA         | 530531008 | 1           | PACK FOREST/.6 MI N OF LAGRANDE ON HWY 7 | SLAMS              | 05/85         |
| * SPOKANE CO<br>NOT IN A CITY | 530630046 | 1           | E 9814 GREENBLUFF RD, GREENBLUFF         | SPM                | 04/90         |
| * WHATCOM CO                  | 530730005 | 1           | FCC SITE/1330 LOOMIS TRAIL RD, CUSTER    | SPM                | 04/89         |

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| *****                     |           |                        |  |                    |               |
| PM10 SITES                |           |                        |  |                    |               |
| * ASOTIN CO<br>CLARKSTON  | 530030003 | 2                      | CF ADAMS HIGH/5TH & CHESTNUT             | SLAMS              | 07/88         |
| * BENTON CO<br>KENNEWICK  | 530050001 | 2                      | COLUMBIA CENTER/556 COLUMBIA CENTER BLVD | NAMS               | 07/88         |
| * CHELAN CO<br>WENATCHEE  | 530070005 | 1                      | SEXTON BLDG/1300 5TH ST                  | SLAMS              | 10/88         |
| * CLALLAM CO<br>FORKS     | 530092002 | 1                      | PENNINSULA TEL/1ST AVE NE & CALAWAH WY   | SPM                | 04/90         |
| PORT ANGELES              | 530090008 | 1                      | CITY LIGHT BLDG/Front & CHERRY           | SLAMS              | 06/89         |
| * CLARK CO<br>VANCOUVER   | 530110012 | 1                      | PORT OF VANCOUVER/3103 LOWER RIVER RD    | SLAMS              | 01/90         |
|                           | 530110013 | 1                      | MOOSE/8205 E 4TH PLAIN BLVD              | SPM                | 03/90         |
| * COWLITZ CO<br>LONGVIEW  | 530150006 | 1                      | CITY SHOPS/254 OREGON WY                 | UNKNOWN            | 01/86         |
|                           |           | 2                      |  | SLAMS              | 08/88         |
| * KING CO<br>BELLEVUE     | 530330004 | 2                      | WEST & WHEELER BLDG/504 BELLEVUE WY      | NAMS               | 07/88         |
| KENT                      | 530332004 | 2                      | JAMES & CENTRAL/JAMES ST & CENTRAL AVE   | NAMS               | 04/88         |
| LAKE FOREST PARK          | 530330086 | 1                      | 17711 BALLINGER WY NE                    | SLAMS              | 06/89         |
| SEATTLE                   | 530330057 | 3                      | DUWAMISH PUMP STA/4752 E MARGINAL WY S   | NAMS               | 04/88         |
|                           | 530330066 | 2                      | HARBOR ISLAND/3400 13TH AVE SW           | NAMS               | 04/88         |
|                           | 530330068 | 3                      | SOUTH PARK/723 S CONCORD                 | NAMS               | 04/88         |
| * PIERCE CO<br>TACOMA     | 530530019 | 3                      | TAYLOR WAY/2340 TAYLOR WY                | NAMS               | 04/88         |
|                           | 530530021 | 2                      | NE TACOMA/27TH ST & 54TH AVE NE          | NAMS               | 04/88         |
|                           | 530530031 | 2                      | ALEXANDER AVE/2301 ALEXANDER AVE         | SLAMS              | 04/88         |
|                           | 530531004 | 3                      | FIRE STATION #12/2316 E 11TH ST          | NAMS               | 04/88         |
| * SNOHOMISH CO<br>EVERETT | 530610016 | 1                      | HOYT AVE & 26TH ST                       | SLAMS              | 10/89         |

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| *****            |           |             |                                       |                    |               |
| PM10 SITES       |           |             |                                       |                    |               |
| MARYSVILLE       | 530610017 | 1           | CITY HALL/514 DELTA AVE               | SPM                | 11/89         |
| * SPOKANE CO     |           |             |                                       |                    |               |
| NOT IN A CITY    | 530631014 | 2           | COUNTRY HOMES/N 8217 WALL ST          | NAMS               | 07/88         |
|                  | 530632002 | 1           | CITY HALL/E 9103 FREDERICK, MILLWOOD  | SLAMS              | 07/88         |
| SPOKANE          | 530630016 | 3           | CROWN ZELLERBACH/E 3530 FERRY         | NAMS               | 07/88         |
|                  |           | 4           |                                       | SLAMS              | 07/88         |
|                  | 530630036 | 2           | AUTO GLASS/S 214 POST                 | NAMS               | 07/88         |
| * THURSTON CO    |           |             |                                       |                    |               |
| LACEY            | 530670013 | 1           | MT VIEW ELEM/1900 COLLEGE ST SE       | UNKNOWN            | 01/85         |
|                  |           | 2           |                                       | SLAMS              | 08/88         |
| OLYMPIA          | 530670004 | 1           | SCHAEFER BLDG/120 E STATE AVE         | SLAMS              | 01/89         |
| * WALLA WALLA CO |           |             |                                       |                    |               |
| NOT IN A CITY    | 530711001 | 2           | NEDROW FARM/WALLULA JUNCTION          | SLAMS              | 07/88         |
| WALLA WALLA      | 530710005 | 1           | FIRE STATION/200 S 12TH               | SPM                | 05/89         |
| * WHATCOM CO     |           |             |                                       |                    |               |
| BELLINGHAM       | 530730015 | 1           | YEW ST CENTER/2412 YEW ST             | SLAMS              | 09/88         |
| * YAKIMA CO      |           |             |                                       |                    |               |
| SUNNYSIDE        | 530770003 | 1           | SUNNYSIDE SCHOOL/16TH ST & FACTORY RD | SLAMS              | 10/91         |
| YAKIMA           | 530770011 | 1           | GARFIELD SCHOOL/612 N 6TH AVE         | SPM                | 09/89         |
|                  | 530770012 | 1           | YVCC-SUNDQUIST/KNOB HILL & 16TH       | SLAMS              | 12/89         |