

Enclosure 4

State of California PM2.5 Monitoring Data Summary

(based on 2000-2002 monitoring data)

| Basin | County | Site | PM2.5 Annual Average (ug/m3) | | | 3-Year Annual Average | PM2.5 98th Percentile 24-hour (ug/m3) | | | 3-Year Average 24-Hour 98th | Data Complete/ Substitution* |
|------------------------|----------------|-------------------------------------|------------------------------|------|------|-----------------------|---------------------------------------|------|------|-----------------------------|------------------------------|
| | | | 2000 | 2001 | 2002 | | 2000 | 2001 | 2002 | | |
| Great Valley Basin | Inyo | Keeler-Cerro Gordo Road | 9.6 | 5.5 | 8.4 | 7.8 | 67.0 | 23.0 | 62.0 | 51 | No/No |
| | Mono | Mammoth Lakes-Gateway HC | 18.0 | 10.3 | | | 31.0 | 41.0 | | 36 | No/No |
| Lake County | Lake | Lakeport-Lakeport Blvd. | 4.0 | 4.2 | 6.4 | 4.9 | 9.4 | 11.3 | 46.3 | 22 | No/No |
| Lake Tahoe | El Dorado | Echo Summit | 3.8 | 3.8 | 1.0 | 2.8 | 9.0 | 11.0 | 1.0 | 7 | No/No |
| | | South Lake Tahoe-Sandy Way | 7.8 | 8.2 | 7.7 | 7.9 | 21.0 | 26.0 | 22.0 | 23 | No/No |
| Mountain Counties | Calaveras | San Andreas-Gold Strike Road | 9.0 | 8.1 | 9.9 | 9.0 | 30.0 | 18.0 | 30.0 | 26 | Yes |
| | Nevada | Grass Valley-Litton Building | 6.2 | 5.7 | 6.3 | 6.1 | 27.0 | 25.0 | 23.0 | 25 | No/No |
| | | Truckee-Fire Station | 8.8 | 9.4 | 7.5 | 8.5 | 22.0 | 26.0 | 16.0 | 21 | Yes |
| | Plumas | Portola-161 Nevada Street | 10.6 | 15.6 | 16.4 | 14.2 | 44.0 | 43.0 | 38.0 | 42 | No/No |
| Quincy-N Church Street | | 9.4 | 11.5 | 10.9 | 10.6 | 34.0 | 43.0 | 25.0 | 34 | No/No | |
| Mohave Desert | Kern | Mojave-923 Poole Street | 7.5 | 6.1 | 7.9 | 7.1 | 26.4 | 13.9 | 27.3 | 23 | No/No |
| | | Ridgecrest-Las Flores Avenue | 7.8 | 6.5 | 8.2 | 7.5 | 25.4 | 14.6 | 28.0 | 23 | No/No |
| | Los Angeles | Lancaster-43301 Division Street | | 8.8 | 10.4 | | | 29.0 | 20.0 | 25 | No/No |
| | | Lancaster-W Pondera Street | 10.5 | 10.5 | | | 21.0 | 23.0 | | 22 | No/No |
| | San Bernardino | Victorville-Armagosa Road | 12.0 | 11.5 | 13.9 | 12.5 | 23.0 | 21.0 | 30.0 | 25 | Yes |
| North Coast | Humbolt | Eureka-Health Dept 6th and I Street | 9.1 | 9.4 | 7.9 | 8.8 | 21.5 | 29.0 | 22.6 | 24 | Yes |
| | Mendocino | Ukiah-County Library | 7.8 | 8.0 | 9.1 | 8.3 | 18.7 | 27.0 | 39.7 | 28 | No/Yes |
| North Central Coast | Monterey | Salinas #3 | 7.9 | 8.6 | 9.1 | 8.6 | 21.5 | 21.7 | 22.8 | 22 | Yes |
| | Santa Cruz | Santa Cruz-2544 Soquel Avenue | 8.0 | 9.1 | 8.6 | 8.6 | 17.9 | 23.1 | 22.0 | 21 | Yes |
| Northeast Plateau | Modoc | Alturas-W 4th Street | 8.5 | 7.6 | 5.0 | 7.0 | 37.0 | 35.0 | 5.0 | 26 | No/No |

| Basin | County | Site | PM2.5 Annual Average (ug/m3) | | | 3-Year Annual Average | PM2.5 98th Percentile 24-hour (ug/m3) | | | 3-Year Average 24-Hour 98th | Data Complete/ Substitution* |
|-----------------------------|-----------------|---------------------------------|------------------------------|------|------|-----------------------|---------------------------------------|------|------|-----------------------------|------------------------------|
| | | | 2000 | 2001 | 2002 | | 2000 | 2001 | 2002 | | |
| South Coast | Los Angeles | Azusa | 20.2 | 21.7 | 20.7 | 20.8 | 61.6 | 61.4 | 51.0 | 58 | Yes |
| | | Burbank-W Palm Avenue | 21.2 | 24.8 | 24.0 | 23.3 | 83.0 | 69.4 | 55.2 | 69 | No/No |
| | | Los Angeles-North Main Street | 21.9 | 22.8 | 22.0 | 22.2 | 72.8 | 58.1 | 55.3 | 62 | Yes |
| | | Lynwood | 23.0 | 24.5 | 23.3 | 23.6 | 62.8 | 66.0 | 52.5 | 60 | Yes |
| | | North Long Beach | 19.7 | 21.2 | 19.5 | 20.1 | 64.3 | 49.2 | 47.1 | 54 | No/No |
| | | Pasadena-S Wilson Avenue | 19.4 | 20.9 | 20.3 | 20.2 | 54.0 | 55.3 | 49.1 | 53 | Yes |
| | | Pico Rivera | 24.1 | 25.2 | 24.0 | 24.4 | 70.8 | 66.6 | 57.9 | 65 | Yes |
| | | Reseda | 18.1 | 18.4 | 18.9 | 18.4 | 50.0 | 56.9 | 45.4 | 51 | Yes |
| | Orange | Anaheim-Harbor Blvd. | 20.3 | 22.0 | 18.6 | 20.3 | 66.3 | 58.5 | 48.1 | 58 | No/No |
| | | Mission Viejo-26081 Via Pera | 14.7 | 15.8 | 15.5 | 15.4 | 36.5 | 45.6 | 45.8 | 43 | Yes |
| | Riverside | Riverside-Magnolia | 25.3 | 28.2 | 27.1 | 26.9 | 66.8 | 65.8 | 63.7 | 65 | Yes |
| | | Riverside-Rubidoux | 28.3 | 31.0 | 27.4 | 28.9 | 77.1 | 74.3 | 66.3 | 73 | Yes |
| | San Bernardino | Big Bear City-501 W Valley Blvd | 10.2 | 11.2 | 11.5 | 10.9 | 26.7 | 30.2 | 32.1 | 30 | No/No |
| | | Fontana-Arrow Highway | 24.5 | 25.0 | 24.3 | 24.6 | 64.7 | 69.5 | 56.5 | 64 | Yes |
| Ontario-1408 Francis Street | | 24.1 | 26.5 | 25.4 | 25.3 | 64.5 | 64.5 | 57.4 | 62 | Yes | |
| San Bernardino-4th Street | | 25.9 | 26.1 | 25.8 | 25.9 | 70.3 | 68.4 | 66.3 | 68 | Yes | |
| South Central Coast | San Luis Obispo | Atascadero-Lewis Avenue | 10.3 | 10.1 | 9.3 | 9.9 | 41.0 | 50.7 | 25.7 | 39 | Yes |
| | | San Luis Obispo-Marsh Street | 9.3 | 10.1 | 10.7 | 10.0 | 22.6 | 25.5 | 28.2 | 25 | No/Yes |
| | Santa Barbara | Santa Barbara-W Carillo Street | 13.1 | | | | 24.2 | | | | No/No |
| | | Santa Maria-Broadway | 9.8 | 10.4 | 9.6 | 9.9 | 19.3 | 23.4 | 19.4 | 21 | Yes |
| | Ventura | Thousand Oaks-Moorpark Road | 13.3 | 14.4 | 12.6 | 13.5 | 42.4 | 45.1 | 28.8 | 39 | No/No |
| | | El Rio-Rio Mesa School #2 | 13.0 | 13.1 | 13.0 | 13.1 | 31.8 | 32.4 | 27.9 | 31 | No/No |
| | | Piru-Pacific Avenue | 10.7 | 13.0 | 12.1 | 11.9 | 37.6 | 32.6 | 28.9 | 33 | No/No |
| | | Simi Valley-Cochran Street | 14.8 | 14.9 | 14.6 | 14.8 | 42.4 | 40.0 | 35.2 | 39 | No/No |
| San Diego County | San Diego | Chula Vista | 13.1 | 15.5 | 13.9 | 14.2 | 32.5 | 31.0 | 36.0 | 33 | Yes |
| | | El Cajon-Redwood Avenue | 15.7 | 17.7 | 15.4 | 16.2 | 44.6 | 39.5 | 33.6 | 39 | No/No |
| | | Escondido-E Valley Parkway | 15.8 | 17.5 | 16.0 | 16.4 | 48.2 | 40.8 | 39.3 | 43 | Yes |
| | | San Diego-12th Avenue | 15.6 | 16.6 | 15.5 | 15.9 | 48.7 | 40.0 | 35.6 | 41 | No/No |
| | | San Diego-Overland Avenue | 12.4 | 13.5 | 13.0 | 13.0 | 25.1 | 28.8 | 31.6 | 29 | No/No |

| Basin | County | Site | PM2.5 Annual Average (ug/m3) | | | 3-Year Annual Average | PM2.5 98th Percentile 24-hour (ug/m3) | | | 3-Year Average 24-Hour 98th | Data Complete/ Substitution* |
|------------------------|-------------------------|---------------------------------------|------------------------------|------|------|-----------------------|---------------------------------------|------|------|-----------------------------|------------------------------|
| | | | 2000 | 2001 | 2002 | | 2000 | 2001 | 2002 | | |
| San Francisco Bay Area | Alameda | Fremont-Chapel Way | 10.6 | 12.2 | 12.5 | 11.7 | 36.3 | 47.0 | 41.5 | 42 | Yes |
| | | Livermore-793 Rincon Avenue | 11.2 | 11.9 | 13.8 | 12.3 | 38.3 | 54.4 | 50.5 | 48 | Yes |
| | Contra Costa | Concord-2975 Treat Blvd | 10.9 | 10.2 | 12.7 | 11.3 | 42.6 | 38.4 | 49.0 | 43 | Yes |
| | San Francisco | San Francisco-Arkansas Street | 11.4 | 11.5 | 13.1 | 12.0 | 35.3 | 51.3 | 57.5 | 48 | No/No |
| | San Mateo | Redwood_City | 10.9 | 11.3 | 11.5 | 11.2 | 36.9 | 46.1 | 36.3 | 40 | Yes |
| | Santa Clara | San Jose-4th Street | 13.6 | 12.4 | 12.4 | 12.8 | 55.3 | 55.4 | 33.8 | 48 | No/No |
| | | San Jose-Jackson Street | | | 17.5 | | | | 57.6 | 58 | No/No |
| | | San Jose-Tully Road | 12.2 | 11.2 | 12.0 | 11.8 | 54.5 | 45.8 | 37.3 | 46 | No/No |
| | Solano | Vallejo-304 Tuolumne Street | 11.6 | 12.5 | 13.6 | 12.6 | 44.0 | 56.0 | 54.0 | 51 | Yes |
| | Sonoma | Santa Rosa-5th Street | 10.3 | 10.8 | 10.5 | 10.5 | 36.8 | 41.4 | 42.4 | 40 | Yes |
| San Joaquin Valley | Fresno | Clovis-N Villa Avenue | 16.3 | 18.0 | 16.2 | 16.9 | 72.5 | 71.5 | 53.2 | 66 | No/No |
| | | Fresno-1st Street | 25.5 | 19.8 | 21.6 | 22.3 | 108.0 | 75.0 | 75.0 | 86 | No/No |
| | | Fresno-Hamilton & Winery | 18.4 | 18.6 | 21.3 | 19.4 | 64.8 | 61.5 | 71.9 | 66 | Yes |
| | Kern | Bakersfield-5558 California Ave | 22.0 | 21.2 | 22.8 | 22.0 | 88.8 | 94.9 | 73.0 | 86 | Yes |
| | | Bakersfield-1120 Golden State Highway | 22.6 | 21.8 | 24.1 | 22.9 | 93.9 | 95.9 | 80.4 | 90 | Yes |
| | | Bakersfield-410 E Planz Road | 20.3 | 20.8 | 23.6 | 21.6 | 76.5 | 90.6 | 66.8 | 78 | Yes |
| | Kings | Corcoran-Patterson Avenue | 16.4 | 19.2 | 21.5 | 19.0 | 55.1 | 89.5 | 65.1 | 70 | No/No |
| | Merced | Merced-M Street | 16.7 | 14.5 | 18.8 | 16.6 | 60.0 | 49.3 | 55.1 | 55 | No/No |
| | San Joaquin | Stockton-Hazelton Street | 15.5 | 13.9 | 16.7 | 15.3 | 55.0 | 58.0 | 50.0 | 54 | Yes |
| | Stanislaus | Modesto-814 14th Street | 18.7 | 15.6 | 18.7 | 17.7 | 71.0 | 69.0 | 69.0 | 70 | Yes |
| Tulare | Visalia-N Church Street | 23.9 | 22.5 | 23.2 | 23.2 | 103.0 | 96.0 | 70.0 | 90 | Yes | |
| Salton Sea | Imperial | Brawley-Main Street | 12.3 | 11.1 | 10.2 | 11.2 | 41.5 | 30.2 | 22.3 | 31 | No/No |
| | | Calexico-Ethel Street | 16.9 | 14.9 | 15.1 | 15.6 | 56.0 | 50.4 | 44.1 | 50 | Yes |
| | | El Centro-9th Street | 10.4 | 8.7 | 9.3 | 9.5 | 39.3 | 17.6 | 23.4 | 27 | No/No |
| | Riverside | Indio-Jackson Street | 11.2 | 12.2 | 11.9 | 11.8 | 26.2 | 29.8 | 22.2 | 26 | Yes |
| | | Palm Springs-Fire Station | 9.6 | 10.7 | 10.0 | 10.1 | 22.6 | 33.0 | 23.3 | 26 | Yes |

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|-------------------|----------------------|--------------------------------------|------------------------------|------|------|-----------------------|---------------------------------------|------|------|-----------------------------|------------------------------|--------|
| | | | 2000 | 2001 | 2002 | | 2000 | 2001 | 2002 | | | |
| Sacramento Valley | Butte | Chico-Manzanita Avenue | 15.8 | 13.0 | 15.1 | 14.6 | 70.0 | 56.0 | 53.0 | 60 | Yes | |
| | Colusa | Colusa-Sunrise Blvd. | 8.0 | 9.6 | 13.6 | 10.4 | 26.0 | 31.0 | 54.0 | 37 | No/Yes | |
| | Placer | Roseville-N Sunrise Blvd | 12.2 | 11.9 | 13.2 | 12.4 | 43.0 | 49.0 | 40.0 | 44 | Yes | |
| | Sacramento | Sacramento-Del Paso Manor | | 8.9 | 12.1 | | | 36.0 | 62.0 | | 49 | No/No |
| | | Sacramento-Health Dept Stockton Blvd | 10.4 | 8.6 | 11.3 | 10.1 | 50.0 | 28.0 | 60.0 | | 46 | No/No |
| | | Sacramento-T Street | 12.3 | 11.6 | 14.3 | 12.7 | 49.0 | 53.0 | 63.0 | | 55 | No/No |
| | Shasta | Redding-Health Dept Roof | 9.5 | 9.2 | 10.5 | 9.7 | 35.0 | 29.0 | 38.0 | | 34 | No/Yes |
| | Sutter | Yuba City-Almond Street | 10.6 | 11.9 | 15.8 | 12.7 | 38.0 | 54.0 | 34.0 | | 42 | No/Yes |
| Yolo | Woodland-Gibson Road | 10.3 | 10.4 | 10.7 | 10.5 | 38.0 | 35.0 | 31.0 | | 35 | No/No | |

*For some sites, ARB staff were able to apply U.S. EPA's data substitution policy to demonstrate that the area attains the standards even though the data were not complete. Yearly data is deemed complete when at least 75 percent of the scheduled samples are available for each quarter for all three years. For monitors not deemed complete, data substitution is allowed if at least 50 percent of the scheduled samples are available. For each monitor eligible for data substitution, ARB staff selected the maximum data value across all three years for the quarter and substituted this value for all missing data in that quarter. Using the substituted data, ARB staff then recalculated the quarterly average, annual average, three-year annual average, 24-hour 98th percentile, and 3-year average 24-hour 98th percentile.