

DEMONSTRATION OF ATTAINMENT
SALT LAKE CITY
PROJECTED AMBIENT PM₁₀ CONCENTRATIONS (17-FEB-89)

| Source Category | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| (1) Major Point sources | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 |
| Copper smelter | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 |
| Oil refinery cat crackers | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 |
| Other point sources | 12.6 | 12.6 | 12.6 | 12.6 | 12.6 | 12.6 | 12.6 | 12.6 | 12.6 | 12.6 | 12.6 |
| Secondary Sulfate | 7.2 | 7.2 | 7.2 | 7.2 | 7.2 | 7.2 | 7.2 | 7.2 | 7.2 | 7.2 | 7.2 |
| Secondary Nitrate | 27.7 | 27.7 | 27.7 | 27.7 | 27.7 | 27.7 | 27.7 | 27.7 | 27.7 | 27.7 | 27.7 |
| (2) Vehicle Sub-Total | 48.6 | 48.4 | 47.5 | 47.0 | 46.6 | 46.3 | 46.0 | 46.2 | 45.8 | 45.8 | 46.4 |
| Composite Mobile sources | | | | | | | | | | | |
| Leaded Gas Fueled | 4.0 | 4.2 | 4.3 | 4.4 | 4.6 | 4.7 | 4.8 | 5.0 | 5.1 | 5.3 | 5.4 |
| Diesel Fueled | 5.3 | 5.5 | 5.7 | 5.8 | 6.0 | 6.2 | 6.4 | 6.6 | 6.8 | 7.0 | 7.2 |
| Unleaded Gas Fueled | 2.5 | 2.6 | 2.6 | 2.7 | 2.8 | 2.9 | 3.0 | 3.1 | 3.2 | 3.3 | 3.4 |
| Re-entrained road dust | 7.1 | 7.1 | 7.1 | 7.1 | 7.1 | 7.1 | 7.1 | 7.1 | 7.1 | 7.1 | 7.1 |
| Road Salting | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Brakewear | 3.5 | 3.6 | 3.8 | 3.9 | 4.0 | 4.1 | 4.2 | 4.3 | 4.5 | 4.6 | 4.8 |
| Secondary Sulfate | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| Secondary Nitrate | 25.9 | 25.2 | 23.8 | 22.7 | 21.9 | 21.0 | 20.1 | 19.8 | 18.9 | 18.3 | 18.2 |
| (3) Space Heating Sub-Total | 22.5 | 22.9 | 23.2 | 23.6 | 23.9 | 24.3 | 24.6 | 25.0 | 25.4 | 25.8 | 26.1 |
| Wood Burning | 10.1 | 10.3 | 10.4 | 10.6 | 10.8 | 10.9 | 11.1 | 11.3 | 11.4 | 11.6 | 11.8 |
| Coal Burning | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| Gas & Other Heating | 1.7 | 1.7 | 1.7 | 1.7 | 1.8 | 1.8 | 1.8 | 1.8 | 1.9 | 1.9 | 1.9 |
| Secondary Sulfate | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| Secondary Nitrate | 10.0 | 10.2 | 10.3 | 10.5 | 10.6 | 10.8 | 10.9 | 11.1 | 11.3 | 11.4 | 11.6 |
| (4) Other sources | 6.1 | 6.1 | 6.1 | 6.1 | 6.1 | 6.1 | 6.1 | 6.1 | 6.1 | 6.1 | 6.1 |
| Trains | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| Planes | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| Secondary Sulfate | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| Secondary Nitrate | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| Total | 136.8 | 136.9 | 136.3 | 136.1 | 136.1 | 136.2 | 136.2 | 136.8 | 136.8 | 137.2 | 138.1 |

Table 9.A.21