

UTAH STATE DIVISION OF AIR QUALITY

PM2.5 Actual Concentration (24-hr average) in Micrograms per Cubic Meter
2007 December

| Date | BR | BV | CW | HE | HG | HV | HW | RP | L4 | X4 | LN | LX | MG | N2 | NP | O2 | SF | SW | T3 | WT | WX | WV | VX | VL |
|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|----|------|------|------|-----|------|------|------|------|------|------|
| 12/01 | | | | | | | 16.2 | 12.2 | 9.9 | | 8.6 | | | | | | | | | | | | | |
| 12/02 | 6.9 | 8.0 | 15.8 | 5.7 | 11.6 | 7.6 | 14.8 | 12.1 | 7.3 | 6.0 | 16.0 | 17.0 | 6.7 | | 14.8 | 8.7 | 10.4 | | 8.8 | 8.2 | 8.3 | 8.9 | 9.2 | 13.4 |
| 12/03 | | | | | | | 16.0 | 14.5 | 10.4 | | 14.6 | | | | | | | | | | | | | |
| 12/04 | | | | | | | 24.5 | 25.5 | 13.5 | | 22.6 | | | | | | | | | | | | | |
| 12/05 | 27.5 | 34.3 | 36.7 | 13.2 | 19.5 | 24.2 | 35.1 | 38.5 | 13.6 | | 24.7 | | 27.5 | | 22.4 | 26.1 | 23.5 | | 12.7 | 22.7 | | 33.1 | | 43.3 |
| 12/06 | | | | | | | 32.5 | 35.7 | 19.7 | | 29.1 | | | | | | | | | | | | | |
| 12/07 | | | | | | | 12.5 | 9.3 | 14.0 | | 1.4 | | | | | | | | | | | | | |
| 12/08 | 3.0 | 4.4 | 7.7 | 5.0 | 4.9 | 4.0 | 4.5 | 7.0 | 4.8 | 5.2 | 6.0 | 6.9 | 7.2 | | 5.6 | 6.6 | 5.5 | 3.4 | 6.0 | 5.0 | 3.3 | 7.1 | 7.7 | 25.3 |
| 12/09 | | | | | | | 15.5 | 16.1 | 7.2 | | 18.0 | | | | | | | | | | | | | |
| 12/10 | | | | | | | 19.5 | 18.7 | 14.5 | | 16.3 | | | | | | | | | | | | | |
| 12/11 | 4.6 | 6.0 | 10.0 | 6.0 | 11.3 | 4.9 | 8.5 | 13.2 | 7.2 | | 15.5 | | 5.8 | | 14.4 | 6.5 | 15.0 | 6.9 | 10.3 | 4.7 | | 14.5 | | 8.7 |
| 12/12 | | | | | | | 21.8 | 25.0 | 18.5 | | 18.1 | | | | | | | | | | | | | |
| 12/13 | | | | | | | 25.0 | 26.8 | 23.7 | | 22.0 | | | | | | | | | | | | | |
| 12/14 | 9.9 | 16.8 | 17.4 | 9.3 | 12.0 | 19.3 | 18.7 | 16.5 | 15.4 | 16.0 | 18.2 | 18.5 | 9.8 | | 17.3 | 17.5 | | 9.4 | 9.6 | 15.7 | 15.6 | 15.8 | 16.3 | 34.0 |
| 12/15 | | | | | | | 15.2 | 15.3 | 9.8 | | 19.0 | | | | | | | | | | | | | |
| 12/16 | | | | | | | 25.0 | 23.8 | 21.6 | | 17.5 | | | | | | | | | | | | | |
| 12/17 | 24.0 | 31.6 | 38.5 | 13.6 | 7.4 | 25.7 | 41.7 | 36.5 | 20.7 | | 14.7 | | 29.1 | | 10.0 | 29.5 | 7.8 | | 20.3 | 23.3 | | 40.3 | | |
| 12/18 | | | | | | | 20.3 | 18.0 | 18.4 | | 9.5 | | | | | | | | | | | | | |
| 12/19 | | | | | | | 6.9 | 6.3 | 7.4 | | 2.5 | | | | | | | | | | | | | |
| 12/20 | | 2.3 | | 2.6 | 2.1 | | 2.5 | 1.5 | 3.2 | 2.0 | 2.9 | 1.9 | 2.2 | | 3.2 | 0.3 | 2.7 | | 1.8 | 1.4 | 2.2 | 2.2 | 1.8 | |
| 12/21 | | | | | | 2.9 | 5.2 | 4.0 | 3.5 | | 4.3 | | | | | | | | | | | | | |
| 12/22 | | | | | | | 10.5 | 12.5 | | | 12.8 | | | | | | | | | | | | | |
| 12/23 | 12.7 | 17.7 | 21.4 | 9.8 | 13.3 | 11.6 | 20.9 | 17.5 | | | 14.5 | | 17.0 | | 11.2 | 14.7 | 8.7 | | 7.2 | 15.5 | | 16.2 | | |
| 12/24 | | | | | | | 9.1 | 7.8 | | | 10.3 | | | | | | | | | | | | | |
| 12/25 | | | | | | | 8.6 | 5.3 | | | 7.7 | | | | | | | | | | | | | |
| 12/26 | 7.5 | 9.0 | 13.2 | 5.4 | | 10.9 | 10.6 | 9.1 | | 14.6 | 12.2 | 11.8 | 8.8 | | 9.4 | 13.8 | 7.8 | | | 12.2 | | 10.7 | 11.2 | |
| 12/27 | | | | | | | 8.0 | 13.7 | 10.0 | | 9.3 | | | | | | | | | | | | | |
| 12/28 | | | | | | | 7.9 | 7.3 | | | 6.4 | | | | | | | | | | | | | |
| 12/29 | 4.5 | 8.4 | 8.3 | 3.5 | | 8.9 | 7.2 | 6.1 | | | 5.5 | | 3.6 | | 7.2 | 8.7 | 5.0 | | 2.9 | 8.5 | | 4.7 | | |
| 12/30 | | | | | 7.1 | | 2.2 | 2.5 | 3.6 | | 1.9 | | | | | | | | | | | | | |
| 12/31 | | | | | | | 4.0 | 5.2 | 17.5 | | 5.9 | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|------|------|------|------|------|------|
| Arith Mean | 11.2 | 13.8 | 18.8 | 7.4 | 9.9 | 12.0 | 15.2 | 15.0 | 12.3 | 8.8 | 12.5 | 11.2 | 11.8 | | 11.6 | 13.3 | 9.6 | 6.5 | 8.8 | 11.7 | 7.3 | 15.3 | 9.3 | 25.0 |
| Max 24-hr Avg | 27.5 | 34.3 | 38.5 | 13.6 | 19.5 | 25.7 | 41.7 | 38.5 | 23.7 | 16.0 | 29.1 | 18.5 | 29.1 | | 22.4 | 29.5 | 23.5 | 9.4 | 20.3 | 23.3 | 15.6 | 40.3 | 16.3 | 43.3 |
| Std.Dev | 8.8 | 11.2 | 11.6 | 3.9 | 5.2 | 8.3 | 9.8 | 10.0 | 6.2 | 6.2 | 7.2 | 6.9 | 9.6 | | 5.8 | 9.1 | 5.5 | 7.5 | 3.0 | 7.5 | 6.1 | 12.3 | 5.3 | 14.3 |
| Days Data | 9 | 10 | 9 | 10 | 9 | 10 | 31 | 31 | 24 | 5 | 31 | 5 | 10 | | 10 | 10 | 9 | 3.0 | 9 | 10 | 4 | 10 | 5 | 5 |
| Yearly Mean | 7.9 | 10.7 | 11.1 | 7.7 | 8.3 | 8.6 | 9.8 | 11.6 | 8.4 | 8.5 | 10.5 | 10.4 | 9.0 | 11.5 | 9.3 | 10.1 | 9.1 | 8.1 | 7.0 | 8.7 | 8.0 | 11.0 | 11.1 | 9.0 |