

**Carbon Monoxide 1-hour**

Form: highest concentration during most recent 3 years.

| Site-MCAQD & ADEQ | AQS #       | Max 1-hr concentration (ppm) |      |      | Background Value (ppm) |
|-------------------|-------------|------------------------------|------|------|------------------------|
|                   |             | 2016                         | 2017 | 2018 |                        |
| Buckeye           | 04-013-4011 | 1.2                          | 0.8  | 0.8  | 1.2                    |
| Central Phoenix   | 04-013-3002 | 3.2                          | 3.4  | 3.4  | 3.4                    |
| Diablo            | 04-013-4019 | 2.0                          | 2.0  | 2.0  | 2.0                    |
| Dysart            | 04-013-4010 | 0.9                          | *    | *    | *                      |
| Glendale          | 04-013-2001 | 2.0                          | *    | *    | *                      |
| Greenwood         | 04-013-3010 | 2.9                          | *    | *    | *                      |
| JLG Supersite     | 04-013-9997 | 2.3                          | 2.6  | 2.4  | 2.6                    |
| Mesa              | 04-013-1003 | 1.9                          | 2.2  | 2.1  | 2.2                    |
| North Phoenix     | 04-013-1004 | 1.8                          | *    | *    | *                      |
| South Phoenix     | 04-013-4003 | 3.2                          | 3.5  | 3.7  | 3.7                    |
| South Scottsdale  | 04-013-3003 | 4.6                          | *    | *    | *                      |
| Tempe             | 04-013-4005 | 2.0                          | *    | *    | *                      |
| West Chandler     | 04-013-4004 | 2.0                          | 1.8  | 2.4  | 2.4                    |
| West Phoenix      | 04-013-0019 | 3.9                          | 4.6  | 5.1  | 5.1                    |

\*These monitors were shut down in 2016

**Carbon Monoxide 8-hour**

Form: highest concentration during most recent 3 years.

| Site-MCAQD & ADEQ | AQS #       | Max 8-hr concentration (ppm) |      |      | Background Value (ppm) |
|-------------------|-------------|------------------------------|------|------|------------------------|
|                   |             | 2016                         | 2017 | 2018 |                        |
| Buckeye           | 04-013-4011 | 0.4                          | 0.6  | 0.6  | 0.6                    |
| Central Phoenix   | 04-013-3002 | 2.5                          | 2.2  | 2.4  | 2.5                    |
| Diablo            | 04-013-4019 | 1.5                          | 1.7  | 1.6  | 1.7                    |
| Dysart            | 04-013-4010 | 0.5                          | *    | *    | *                      |
| Glendale          | 04-013-2001 | 1.7                          | *    | *    | *                      |
| Greenwood         | 04-013-3010 | 2.2                          | *    | *    | *                      |
| JLG Supersite     | 04-013-9997 | 1.9                          | 1.8  | 2.0  | 2.0                    |
| Mesa              | 04-013-1003 | 1.5                          | 1.5  | 1.4  | 1.5                    |
| North Phoenix     | 04-013-1004 | 1.2                          | *    | *    | *                      |
| South Phoenix     | 04-013-4003 | 2.3                          | 2.6  | 3.2  | 3.2                    |
| South Scottsdale  | 04-013-3003 | 1.8                          | *    | *    | *                      |
| Tempe             | 04-013-4005 | 1.8                          | *    | *    | *                      |
| West Chandler     | 04-013-4004 | 1.4                          | 1.5  | 1.4  | 1.5                    |
| West Phoenix      | 04-013-0019 | 3.2                          | 3.4  | 4.4  | 4.4                    |

\*These monitors were shut down in 2016

Source: US EPA AQS Report AMP450 (Quick Look Report)

**Nitrogen Dioxide 1-hour**

Form: 98th percentile of the annual distribution of daily maximum 1-hour values averaged across the most recent three years

| Site-MCAQD & ADEQ | AQS#        | 98th Percentile (ppb) |      |      | Background Value (ppb) |
|-------------------|-------------|-----------------------|------|------|------------------------|
|                   |             | 2016                  | 2017 | 2018 |                        |
| Buckeye           | 04-013-4011 | 29.0                  | 34.0 | 34.0 | 32.3                   |
| Central Phoenix   | 04-013-3002 | 59.0                  | 62.0 | 56.0 | 59.0                   |
| Diablo            | 04-013-4019 | 54.0                  | 58.0 | 56.0 | 56.0                   |
| Greenwood         | 04-013-3010 | 59.0                  | *    | *    | *                      |
| JLG Supersite     | 04-013-9997 | 51.2                  | 51.6 | 50.2 | 51.0                   |
| Thirty-third      | 04-013-4020 | 63.0                  | 67.0 | 62.0 | 64.0                   |
| West Phoenix      | 04-013-0019 | 54.0                  | 56.0 | 52.0 | 54.0                   |

**Nitrogen Dioxide Annual**

Form: Highest annual concentration for most recent three years

| Site-MCAQD & ADEQ | AQS#        | Annual Concentration (ppb) |      |      | Background Value (ppb) |
|-------------------|-------------|----------------------------|------|------|------------------------|
|                   |             | 2016                       | 2017 | 2018 |                        |
| Buckeye           | 04-013-4011 | 6.9                        | 7.7  | 7.7  | 7.7                    |
| Central Phoenix   | 04-013-3002 | 17.3                       | 18.2 | 17.5 | 18.2                   |
| Diablo            | 04-013-4019 | 21.5                       | 21.7 | 18.9 | 21.7                   |
| Greenwood         | 04-013-3010 | *                          | *    | *    | *                      |
| JLG Supersite     | 04-013-9997 | 13.3                       | 15.3 | 14.3 | 15.3                   |
| Thirty-third      | 04-013-4020 | 30.9                       | 30.6 | 28.3 | 30.9                   |
| West Phoenix      | 04-013-0019 | 16.2                       | 17.0 | 16.1 | 17.0                   |

\*This monitor was shut down in 2016

Source: US EPA AQS Report AMP450 (Quick Look Report)

**Particulate Matter <10 microns (PM10) Exceptional events have been excluded**

Form: 98th percentile of the annual distribution of daily maximum daily values averaged across the most recent three years.

| Site-MCAQD & ADEQ                                | AQS#        | 98th Percentile ( $\mu\text{g}/\text{m}^3$ ) |       |       | Background Value ( $\mu\text{g}/\text{m}^3$ ) |
|--|-------------|--|-------|-------|---|
|  |             | 2016   | 2017  | 2018  |   |
| Buckeye  | 04-013-4011 | 92.7   | 110.0 | 97.5  | 100.1   |
| Central Phoenix                                  | 04-013-3002 | 83.7   | 85.8  | 82.8  | 84.1  |
| Durango Complex                                  | 04-013-9812 | 76.7   | 134.9 | 107.0 | 106.2   |
| Dysart   | 04-013-4010 | 75.7   | 73.5  | 91.6  | 80.3  |
| Glendale   | 04-013-2001 | 52.0   | 51.9  | 64.6  | 56.2  |
| Greenwood  | 04-013-3010 | 82.0   | *     | *     | *   |
| Higley   | 04-013-4006 | n/a  | 101.0 | 96.8  | n/a   |
| JLG Supersite                                    | 04-013-9997 | 69.8   | 82.0  | 90.5  | 80.8  |
| Mesa   | 04-013-1003 | 60.4   | 67.9  | 71.4  | 66.6  |
| North Phoenix                                    | 04-013-1004 | 53.7   | 51.0  | 60.7  | 55.1  |
| South Phoenix                                    | 04-013-4003 | 72.3   | 93.9  | 73.9  | 80.0  |
| South Scottsdale                                 | 04-013-3003 | 68.0   | 73.5  | 94.8  | 78.8  |
| Tempe  | 04-013-4005 | 60.5   | 61.4  | 88.8  | 70.2  |
| West 43rd Ave                                    | 04-013-4009 | 106.0  | 131.0 | 118.0 | 118.3   |
| West Chandler                                    | 04-013-4004 | 83.7   | 91.5  | 83.7  | 86.3  |
| West Phoenix                                     | 04-013-0019 | 65.6   | 86.0  | 67.9  | 73.2  |
| Zuni Hills                                       | 04-013-4016 | 79.6   | 61.8  | 91.6  | 77.7  |
| <b>Gila River Indian Community</b>               |             |  |       |       |   |
| Casa Blanca                                      | 04-021-7004 | 118.0  | 129.0 | 118.0 | 121.7   |
| Sacaton  | 04-021-7001 | 114.5  | 136.6 | 108.3 | 119.8   |
| St. Johns  | 04-013-7003 | 93.9   | 113.5 | 105.2 | 104.2   |
| <b>Salt River Pima-Maricopa Indian Community</b> |             |  |       |       |   |
| Lehi   | 04-013-7022 | 73.8   | 61.8  | 109.1 | 81.6  |
| Senior Center                                    | 04-013-7020 | 73.0   | 82.8  | 96.9  | 84.2  |
| High School                                      | 04-013-7024 | 91.7   | 83.8  | 131.9 | 102.5   |
| <b>Pinal County Air Quality</b>                  |             |  |       |       |   |
| Apache Junction Fire Station                     | 04-021-3002 | 63.0   | 56.3  | 73.9  | 64.4  |
| Combs  | 04-021-3009 | 102.0  | 112.6 | 103.6 | 106.1   |

\*This monitor was shut down in 2016

Source: US EPA AQS Report AMP435 (Daily Summary Report) for maximum daily values. 98th percentile calculated from annual distribution.

**Particulate Matter <2.5 microns (PM2.5) Exceptional events have been excluded**

Form: Average of the 98th percentile 24-hour values over most recent three years

| Site-MCAQD & ADEQ                                | AQS#        | 98th Percentile ( $\mu\text{g}/\text{m}^3$ ) |      |      | Background Value ( $\mu\text{g}/\text{m}^3$ ) |
|--|-------------|--|------|------|---|
|  |             | 2016   | 2017 | 2018 |   |
| Diablo   | 04-013-4019 | 16.6   | 21.3 | 19.9 | 19.3  |
| Durango Complex                                  | 04-013-9812 | 22.7   | 30.6 | 25.7 | 26.3  |
| Glendale   | 04-013-2001 | 17.7   | 16.7 | 19.4 | 17.9  |
| JLG Supersite                                    | 04-013-9997 | 19.4   | 20.7 | 23.7 | 21.3  |
| Mesa   | 04-013-1003 | 14.0   | 19.0 | 16.6 | 16.5  |
| North Phoenix                                    | 04-013-1004 | 16.3   | 18.9 | 18.2 | 17.8  |
| South Phoenix                                    | 04-013-4003 | 22.8   | 25.0 | 27.4 | 25.1  |
| Tempe  | 04-013-4005 | 14.9   | 16.2 | 16.0 | 15.7  |
| West Phoenix                                     | 04-013-0019 | 23.8   | 30.2 | 28.6 | 27.5  |
| <b>Salt River Pima-Maricopa Indian Community</b> |             |  |      |      |   |
| Senior Center                                    | 04-013-7020 | 21.5   | 14.9 | 14.7 | 17.0  |
| <b>Pinal County Air Quality</b>                  |             |  |      |      |   |
| AJ Fire Station                                  | 04-021-3002 | 11.8   | 12.8 | 11.2 | 11.9  |
| Casa Grande Downtown                             | 04-021-0001 | 16.8   | 23.3 | 24.5 | 21.5  |

**Particulate Matter <2.5 microns (PM2.5) Exceptional events have been excluded**

Form: Average of the annual values over most recent three years

| Site-MCAQD & ADEQ                                | AQS#        | Annual Concentration ( $\mu\text{g}/\text{m}^3$ ) |      |      | Background Value ( $\mu\text{g}/\text{m}^3$ ) |
|--|-------------|---|------|------|---|
|  |             | 2016  | 2017 | 2018 |   |
| Diablo   | 04-013-4019 | 7.9   | 8.1  | 8.4  | 8.1   |
| Durango Complex                                  | 04-013-9812 | 9.5   | 10.2 | 9.8  | 9.8   |
| Glendale   | 04-013-2001 | 6.7   | 6.7  | 7.2  | 6.9   |
| JLG Supersite                                    | 04-013-9997 | 7.9   | 5.7  | 8.8  | 7.5   |
| Mesa   | 04-013-1003 | 6.7   | 8.1  | 7.2  | 7.3   |
| North Phoenix                                    | 04-013-1004 | 6.5   | 7.5  | 7.2  | 7.1   |
| South Phoenix                                    | 04-013-4003 | 8.4   | 9.0  | 9.0  | 8.8   |
| Tempe  | 04-013-4005 | 6.8   | 7.1  | 7.0  | 7.0   |
| West Phoenix                                     | 04-013-0019 | 8.8   | 9.6  | 9.4  | 9.3   |
| <b>Salt River Pima-Maricopa Indian Community</b> |             |   |      |      |   |
| Senior Center                                    | 04-013-7020 | 8.6   | 7.7  | 7.5  | 7.9   |
| <b>Pinal County Air Quality</b>                  |             |   |      |      |   |
| AJ Fire Station                                  | 04-021-3002 | 5.2   | 5.5  | 5.4  | 5.4   |
| Casa Grande Downtown                             | 04-021-0001 | 8.6   | 9.6  | 8.5  | 8.9   |

Source: US EPA AQ5 report AMP480 (Design Value Report)

**Sulfur Dioxide**

Form: 99th percentile of the annual distribution of daily maximum 1-hour values averaged across the most recent three years

| Site-MCAQD & ADEQ | AQS#        | 99th Percentile (ppb) |      |      | Background Value (ppb) |
|-------------------|-------------|-----------------------|------|------|------------------------|
|                   |             | 2016                  | 2017 | 2018 |                        |
| Central Phoenix   | 04-013-3002 | 6.0                   | 8.0  | 8.0  | 7.3                    |
| Durango Complex   | 04-013-9812 | 7.0                   | 10.0 | 8.0  | 8.3                    |
| JLG Supersite     | 04-013-9997 | 5.1                   | 6.4  | 6.1  | 5.9                    |

Source: US EPA AQS Report AMP450 (Quick Look Report)