

User ID: SIMNG

DESIGN VALUE REPORT

Report Request ID: 2254192 Report Code: AMP480 Jan. 14, 2025

| GEOGRAPHIC SELECTIONS | | | | | | | | | | | | |
|-----------------------|-------|--------|------|-----------|-----|------|------|-----|------|-----|--------|--|
| Tribal | State | County | Site | Parameter | POC | City | AQCR | UAR | CBSA | CSA | EPA | |
| Code | | | | | | | | | | | Region | |

02

| PROTOCOL SELECTIONS | | | |
|---------------------|-----------|--------|----------|
| Parameter | Parameter | Method | Duration |
| Classification | | | |

DESIGN VALUE 88101

| AGENCY SELECTIONS |
|---|
| Alaska Department Of Environmental Conservation |

| SELECTED OPTIONS | |
|----------------------------|----------------|
| Option Type | Option Value |
| SINGLE EVENT PROCESSING | EXCLUDE EVENTS |
| MERGE PDF FILES | YES |
| AGENCY ROLE | PQAO |
| USER SITE METADATA | STREET ADDRESS |
| QUARTERLY DATA IN WORKFILE | NO |
| WORKFILE DELIMITER | , |
| USE LINKED SITES | YES |

| DATE CRITERIA | |
|---------------|----------|
| Start Date | End Date |
| 2000 | 2024 |

| APPLICABLE STANDARDS |
|----------------------|
| Standard Description |
| PM25 24-hour 2024 |
| PM25 Annual 2024 |

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
AIR QUALITY SYSTEM
PRELIMINARY DESIGN VALUE REPORT

Report Date: Jan. 14, 2025

- Notes:**
1. Computed design values are a snapshot of the data at the time the report was run (may not be all data for year).
 2. Some PM2.5 24-hour DVs for incomplete data that are marked invalid here may be marked valid in the Official report due to additional analysis.
 3. Annual Values not meeting completeness criteria are marked with an asterisk ('*').

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
AIR QUALITY SYSTEM
PRELIMINARY DESIGN VALUE REPORT

Report Date: Jan. 14, 2025

Pollutant: Site-LevelPM2.5 - Local Conditions(88101)
Standard Units: Micrograms/cubic meter (LC)(105)
NAAQS Standard: PM25 24-hour 2024 / PM25 Annual 2024
Statistic: Annual Weighted Mean **Level:** 9
Statistic: Annual 98th Percentile **Level:** 35

Design Value Year: 2007
REPORT EXCLUDES ALL MEASUREMENTS WITH EXCEPTIONAL EVENT FLAGS.

| Statistic: Annual 98th Percentile | | | | | | | | | | | | | | | Level: 35 | | | | State Name: Alaska | | | |
|---|-------|-------|---------|-------|-------|-------|-------|---------|------|-------|-------|-------|---------|-------|-----------|---------|-------|--------|--------------------|---|--|--|
| Site_ID / STREET ADDRESS | 2007 | | | | | 2006 | | | | | 2005 | | | | | 24-Hour | | Annual | | | | |
| | Cred. | Comp. | 98th | Wtd. | Cert& | Cred. | Comp. | 98th | Wtd. | Cert& | Cred. | Comp. | 98th | Wtd. | Cert& | Design | Valid | Design | Valid | | | |
| | Days | Qtrrs | Perctil | Mean | Eval | Days | Qtrrs | Perctil | Mean | Eval | Days | Qtrrs | Perctil | Mean | Eval | Value | Ind. | Value | Ind. | | | |
| 02-020-0018 3000 EAST 16TH AVENUE | 80 | 3 | 14.5* | 4.9* | U | 115 | 4 | 26.9 | 6.3 | U | 119 | 4 | 17.9 | 6.9 | Y | 20 | Y | 6.0 | Y | | | |
| 02-090-0010 675 7TH AVENUE, FAIRBANKS | 114 | 4 | 33.1 | 10.7 | U | 61 | 4 | 42.2 | 11.5 | U | 52 | 3 | 40.6 | 10.9* | U | 39 | Y | 11.0 | Y | | | |
| 02-090-0029 Nordale Elementary School Hamilton & Eureka | 29 | 1 | 45.4 | 17.6* | U | | 0 | | | * | | 0 | | | * | 45 | N | 17.6 | N | | | |
| 02-110-0004 3800 MENDENHALL LOOP ROAD | 113 | 4 | 39.6 | 6.6 | U | 103 | 4 | 33.0 | 8.5 | U | 102 | 4 | 35.4 | 8.1 | Y | 36 | Y | 7.8 | Y | | | |
| 02-170-0008 HARRISON COURT,SITE LOCATED AT END OF CUL-DE-SAC | 109 | 4 | 20.1 | 5.5 | U | 90 | 2 | 40.0 | 7.5 | * | U | 110 | 4 | 25.2 | 6.5 | Y | 28 | Y | 6.5 | N | | |

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
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PRELIMINARY DESIGN VALUE REPORT

Report Date: Jan. 14, 2025

Pollutant: Site-Level PM2.5 - Local Conditions (88101)
Standard Units: Micrograms/cubic meter (LC) (105)
NAAQS Standard: PM25 24-hour 2024 / PM25 Annual 2024
Statistic: Annual Weighted Mean **Level:** 9
Statistic: Annual 98th Percentile **Level:** 35

Design Value Year: 2008
REPORT EXCLUDES ALL MEASUREMENTS WITH EXCEPTIONAL EVENT FLAGS.

State Name: Alaska

| Site_ID / STREET ADDRESS | 2008 | | | | | 2007 | | | | | 2006 | | | | | 24-Hour | | Annual | |
|--|-------|-------|---------|--------|-------|-------|-------|---------|--------|-------|-------|-------|---------|-------|-------|---------|-------|--------|-------|
| | Cred. | Comp. | 98th | Wtd. | Cert& | Cred. | Comp. | 98th | Wtd. | Cert& | Cred. | Comp. | 98th | Wtd. | Cert& | Design | Valid | Design | Valid |
| | Days | Qtrrs | Perctil | Mean | Eval | Days | Qtrrs | Perctil | Mean | Eval | Days | Qtrrs | Perctil | Mean | Eval | Value | Ind. | Value | Ind. |
| 02-020-0018 3000 EAST 16TH AVENUE | 58 | 4 | 17.3 | 5.5 | U | 80 | 3 | 14.5 | 4.9 * | U | 115 | 4 | 26.9 | 6.3 | U | 20 | Y | 5.6 | Y |
| 02-090-0010 675 7TH AVENUE, FAIRBANKS | 118 | 4 | 46.7 | 11.3 | U | 114 | 4 | 33.1 | 10.7 | U | 61 | 4 | 42.2 | 11.5 | U | 41 | Y | 11.2 | Y |
| 02-090-0029 Nordale Elementary School Hamilton & Eureka | 97 | 4 | 55.5 | 13.0 | U | 29 | 1 | 45.4 | 17.6 * | U | 0 | | | * | | 50 | N | 15.3 | N |
| 02-090-0033 NP Elementary/250 Snowman Lane | 1 | 0 | 21.8 * | 21.8 * | S | | 0 | | | * | 0 | | | * | | 22 | N | 21.8 | N |
| 02-110-0004 3800 MENDENHALL LOOP ROAD | 260 | 4 | 30.2 | 7.1 | Y | 113 | 4 | 39.6 | 6.6 | U | 103 | 4 | 33.0 | 8.5 | U | 34 | Y | 7.4 | Y |
| 02-170-0008 HARRISON COURT, SITE LOCATED AT END OF CUL-DE-SAC | 109 | 4 | 30.8 | 6.2 | U | 109 | 4 | 20.1 | 5.5 | U | 90 | 2 | 40.0 | 7.5 * | U | 30 | Y | 6.4 | N |

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Report Date: Jan. 14, 2025

Pollutant: Site-LevelPM2.5 - Local Conditions(88101)
Standard Units: Micrograms/cubic meter (LC)(105)
NAAQS Standard: PM25 24-hour 2024 / PM25 Annual 2024
Statistic: Annual Weighted Mean **Level:** 9
Statistic: Annual 98th Percentile **Level:** 35

Design Value Year: 2009
REPORT EXCLUDES ALL MEASUREMENTS WITH EXCEPTIONAL EVENT FLAGS.

| Site_ID / STREET ADDRESS | 2009 | | | | | 2008 | | | | | 2007 | | | | | 24-Hour | | Annual | |
|---|-------|-------|---------|-------|-------|-------|-------|---------|-------|-------|-------|-------|---------|-------|-------|--------------|------|--------------|------|
| | Cred. | Comp. | 98th | Wtd. | Cert& | Cred. | Comp. | 98th | Wtd. | Cert& | Cred. | Comp. | 98th | Wtd. | Cert& | Design Valid | | Design Valid | |
| | Days | Qrtrs | Perctil | Mean | Eval | Days | Qrtrs | Perctil | Mean | Eval | Days | Qrtrs | Perctil | Mean | Eval | Value | Ind. | Value | Ind. |
| 02-020-0018 3000 EAST 16TH AVENUE | 346 | 4 | 24.6 | 7.1 | U | 58 | 4 | 17.3 | 5.5 | U | 80 | 3 | 14.5 | 4.9* | U | 19 | Y | 5.9 | Y |
| 02-090-0010 675 7TH AVENUE, FAIRBANKS | 118 | 4 | 51.0 | 11.5 | U | 118 | 4 | 46.7 | 11.3 | U | 114 | 4 | 33.1 | 10.7 | U | 44 | Y | 11.2 | Y |
| 02-090-0029 Nordale Elementary School Hamilton & Eureka | 27 | 1 | 57.7 | 19.7* | U | 97 | 4 | 55.5 | 13.0 | U | 29 | 1 | 45.4 | 17.6* | U | 53 | Y | 16.7 | N |
| 02-090-0033 NP Elementary/250 Snowman Lane | 110 | 4 | 114.0 | 15.8 | S | 1 | 0 | 21.8* | 21.8* | S | | 0 | | * | | 68 | N | 18.8 | N |
| 02-090-0034 907 Terminal St. | 17 | 1 | 44.1 | 22.7* | U | | 0 | | | * | | 0 | | * | | 44 | N | 22.7 | N |
| 02-110-0004 3800 MENDENHALL LOOP ROAD | 302 | 3 | 29.0 | 7.0* | U | 260 | 4 | 30.2 | 7.1 | Y | 113 | 4 | 39.6 | 6.6 | U | 33 | Y | 6.9 | Y |
| 02-170-0008 HARRISON COURT,SITE LOCATED AT END OF CUL-DE-SAC | 88 | 3 | 28.8* | 7.8* | U | 109 | 4 | 30.8 | 6.2 | U | 109 | 4 | 20.1 | 5.5 | U | 27 | N | 6.5 | N |

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Pollutant: Site-LevelPM2.5 - Local Conditions(88101)
Standard Units: Micrograms/cubic meter (LC)(105)
NAAQS Standard: PM25 24-hour 2024 / PM25 Annual 2024
Statistic: Annual Weighted Mean **Level:** 9
Statistic: Annual 98th Percentile **Level:** 35

Design Value Year: 2010
REPORT EXCLUDES ALL MEASUREMENTS WITH EXCEPTIONAL EVENT FLAGS.

| Site_ID / STREET ADDRESS | 2010 | | | | | 2009 | | | | | 2008 | | | | | 24-Hour | | Annual | |
|--|-------|-------|---------|-------|-------|-------|-------|---------|-------|-------|-------|-------|---------|-------|-------|--------------|------|--------------|------|
| | Cred. | Comp. | 98th | Wtd. | Cert& | Cred. | Comp. | 98th | Wtd. | Cert& | Cred. | Comp. | 98th | Wtd. | Cert& | Design Valid | | Design Valid | |
| | Days | Qrtrs | Perctil | Mean | Eval | Days | Qrtrs | Perctil | Mean | Eval | Days | Qrtrs | Perctil | Mean | Eval | Value | Ind. | Value | Ind. |
| 02-020-0018 3000 EAST 16TH AVENUE | 351 | 4 | 23.2 | 6.1 | U | 346 | 4 | 24.6 | 7.1 | U | 58 | 4 | 17.3 | 5.5 | U | 22 | Y | 6.3 | Y |
| 02-090-0010 675 7TH AVENUE, FAIRBANKS | 119 | 4 | 51.8 | 12.3 | U | 118 | 4 | 51.0 | 11.5 | U | 118 | 4 | 46.7 | 11.3 | U | 50 | Y | 11.7 | Y |
| 02-090-0033 NP Elementary/250 Snowman Lane | 110 | 4 | 53.0 | 10.7 | S | 110 | 4 | 114.0 | 15.8 | S | 1 | 0 | 21.8* | 21.8* | S | 63 | Y | 16.1 | Y |
| 02-090-0034 907 Terminal St. | 115 | 4 | 50.7 | 12.6 | U | 17 | 1 | 44.1 | 22.7* | U | | 0 | | * | | 47 | N | 17.6 | N |
| 02-090-4003 Wood River/5000 Palo Verde Ave., Fairbanks, AK, 99709 | 30 | 1 | 36.2 | 11.0* | S | | 0 | | * | | | 0 | | * | | 36 | N | 11.0 | N |
| 02-110-0004 3800 MENDENHALL LOOP ROAD | 359 | 4 | 27.3 | 8.6 | | 302 | 3 | 29.0 | 7.0 * | U | 260 | 4 | 30.2 | 7.1 | Y | 29 | Y | 7.6 | Y |
| 02-170-0008 HARRISON COURT,SITE LOCATED AT END OF CUL-DE-SAC | 101 | 3 | 37.5 | 7.5* | U | 88 | 3 | 28.8* | 7.8 * | U | 109 | 4 | 30.8 | 6.2 | U | 32 | N | 7.2 | N |
| 02-170-0012 SOUTH GULKANA STREET | 294 | 3 | 11.6* | 3.1* | U | | 0 | | * | | | 0 | | * | | 12 | N | 3.1 | N |

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Standard Units: Micrograms/cubic meter (LC)(105)
NAAQS Standard: PM25 24-hour 2024 / PM25 Annual 2024
Statistic: Annual Weighted Mean **Level:** 9
Statistic: Annual 98th Percentile **Level:** 35

Design Value Year: 2011
REPORT EXCLUDES ALL MEASUREMENTS WITH EXCEPTIONAL EVENT FLAGS.

| Site_ID / STREET ADDRESS | 2011 | | | | | 2010 | | | | | 2009 | | | | | 24-Hour | | Annual | |
|--|-------|-------|---------|------|-------|-------|-------|---------|-------|-------|-------|-------|---------|-------|-------|--------------|------|--------------|------|
| | Cred. | Comp. | 98th | Wtd. | Cert& | Cred. | Comp. | 98th | Wtd. | Cert& | Cred. | Comp. | 98th | Wtd. | Cert& | Design Valid | | Design Valid | |
| | Days | Qrtrs | Perctil | Mean | Eval | Days | Qrtrs | Perctil | Mean | Eval | Days | Qrtrs | Perctil | Mean | Eval | Value | Ind. | Value | Ind. |
| 02-020-0018 3000 EAST 16TH AVENUE | 341 | 4 | 17.3 | 5.2 | U | 351 | 4 | 23.2 | 6.1 | U | 346 | 4 | 24.6 | 7.1 | U | 22 | Y | 6.2 | Y |
| 02-020-0052 727 L Street | 343 | 4 | 11.6 | 3.9 | U | 358 | 4 | 17.2 | 4.8 | U | 358 | 4 | 15.3 | 5.3 | U | 15 | Y | 4.7 | Y |
| 02-020-1004 11723 OLD GLENN HIGHWAY | 340 | 4 | 15.7 | 4.6 | U | 331 | 4 | 17.0 | 5.5 | U | 355 | 4 | 22.4 | 6.3 | U | 18 | Y | 5.4 | Y |
| 02-090-0010 675 7TH AVENUE, FAIRBANKS | 121 | 4 | 38.0 | 10.7 | U | 119 | 4 | 51.8 | 12.3 | U | 118 | 4 | 51.0 | 11.5 | U | 47 | Y | 11.5 | Y |
| 02-090-0033 NP Elementary/250 Snowman Lane | 40 | 1 | 20.6* | 4.2* | S | 110 | 4 | 53.0 | 10.7 | S | 110 | 4 | 114.0 | 15.8 | S | 63 | Y | 10.2 | Y |
| 02-090-0034 907 Terminal St. | 112 | 4 | 33.1 | 10.4 | U | 115 | 4 | 50.7 | 12.6 | U | 17 | 1 | 44.1 | 22.7* | U | 43 | Y | 15.2 | Y |
| 02-090-4003 Wood River/5000 Palo Verde Ave., Fairbanks, AK, 99709 | 67 | 2 | 29.2* | 6.8* | S | 30 | 1 | 36.2 | 11.0* | S | | 0 | | * | | 33 | N | 8.9 | N |
| 02-110-0004 3800 MENDENHALL LOOP ROAD | 352 | 4 | 24.8 | 7.1 | | 359 | 4 | 27.3 | 8.6 | | 302 | 3 | 29.0 | 7.0* | U | 27 | Y | 7.6 | Y |
| 02-122-0008 144 N. Binkley St, Soldotna, AK 99669 | 67 | 0 | 8.2* | 2.9* | U | | 0 | | * | | | 0 | | * | | 8 | N | 2.9 | N |
| 02-170-0008 HARRISON COURT,SITE LOCATED AT END OF CUL-DE-SAC | 197 | 4 | 30.2 | 6.4 | U | 101 | 3 | 37.5 | 7.5 * | U | 88 | 3 | 28.8* | 7.8* | U | 32 | N | 7.3 | N |
| 02-170-0012 SOUTH GULKANA STREET | 349 | 4 | 9.1 | 4.1 | U | 294 | 3 | 11.6* | 3.1 * | U | | 0 | | * | | 10 | N | 3.6 | N |

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Standard Units: Micrograms/cubic meter (LC)(105)
NAAQS Standard: PM25 24-hour 2024 / PM25 Annual 2024
Statistic: Annual Weighted Mean **Level:** 9
Statistic: Annual 98th Percentile **Level:** 35

Design Value Year: 2011
REPORT EXCLUDES ALL MEASUREMENTS WITH EXCEPTIONAL EVENT FLAGS.

State Name: Alaska

| Site_ID / STREET ADDRESS | 2011 | | | | | 2010 | | | | | 2009 | | | | | 24-Hour | | Annual | |
|--|-------------|-------|---------|------|-------|-------------|-------|---------|------|-------|-------------|-------|---------|------|-------|--------------|------|--------------|------|
| | Cred. Comp. | | 98th | Wtd. | Cert& | Cred. Comp. | | 98th | Wtd. | Cert& | Cred. Comp. | | 98th | Wtd. | Cert& | Design Valid | | Design Valid | |
| | Days | Qrtrs | Perctil | Mean | Eval | Days | Qrtrs | Perctil | Mean | Eval | Days | Qrtrs | Perctil | Mean | Eval | Value | Ind. | Value | Ind. |
| 02-170-0013 100 WEST SWANSON AVENUE | 326 | 4 | 15.1 | 6.3 | U | 0 | | | | * | 0 | | | | * | 15 | N | 6.3 | N |

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Standard Units: Micrograms/cubic meter (LC)(105)
NAAQS Standard: PM25 24-hour 2024 / PM25 Annual 2024
Statistic: Annual Weighted Mean **Level:** 9
Statistic: Annual 98th Percentile **Level:** 35

Design Value Year: 2012
REPORT EXCLUDES ALL MEASUREMENTS WITH EXCEPTIONAL EVENT FLAGS.

| Site_ID / STREET ADDRESS | 2012 | | | | | 2011 | | | | | 2010 | | | | | 24-Hour | | Annual | |
|--|-------|-------|---------|------|-------|-------|-------|---------|-------|-------|-------|-------|---------|-------|-------|---------|-------|--------|-------|
| | Cred. | Comp. | 98th | Wtd. | Cert& | Cred. | Comp. | 98th | Wtd. | Cert& | Cred. | Comp. | 98th | Wtd. | Cert& | Design | Valid | Design | Valid |
| | Days | Qrtrs | Perctil | Mean | Eval | Days | Qrtrs | Perctil | Mean | Eval | Days | Qrtrs | Perctil | Mean | Eval | Value | Ind. | Value | Ind. |
| 02-020-0018 3000 EAST 16TH AVENUE | 343 | 4 | 28.4 | 6.6 | Y | 341 | 4 | 17.3 | 5.2 | U | 351 | 4 | 23.2 | 6.1 | U | 23 | Y | 6.0 | Y |
| 02-020-0052 727 L Street | 356 | 4 | 16.7 | 4.9 | Y | 343 | 4 | 11.6 | 3.9 | U | 358 | 4 | 17.2 | 4.8 | U | 15 | Y | 4.5 | Y |
| 02-020-1004 11723 OLD GLENN HIGHWAY | 329 | 4 | 17.9 | 5.3 | Y | 340 | 4 | 15.7 | 4.6 | U | 331 | 4 | 17.0 | 5.5 | U | 17 | Y | 5.1 | Y |
| 02-090-0010 675 7TH AVENUE, FAIRBANKS | 119 | 4 | 49.6 | 10.7 | Y | 121 | 4 | 38.0 | 10.7 | U | 119 | 4 | 51.8 | 12.3 | U | 46 | Y | 11.2 | Y |
| 02-090-0033 NP Elementary/250 Snowman Lane | 104 | 4 | 68.1 | 10.2 | Y | 40 | 1 | 20.6* | 4.2 * | S | 110 | 4 | 53.0 | 10.7 | S | 47 | Y | 8.3 | N |
| 02-090-0034 907 Terminal St. | 121 | 4 | 50.0 | 11.3 | Y | 112 | 4 | 33.1 | 10.4 | U | 115 | 4 | 50.7 | 12.6 | U | 45 | Y | 11.4 | Y |
| 02-090-0035 3288 Hurst Road, North Pole, Alaska 99705 | 96 | 4 | 158.4 | 16.8 | M | | 0 | | | * | | 0 | | | * | 158 | N | 16.8 | N |
| 02-090-4003 Wood River/5000 Palo Verde Ave., Fairbanks, AK, 99709 | | 0 | | | * | 67 | 2 | 29.2* | 6.8 * | S | 30 | 1 | 36.2 | 11.0* | S | 33 | N | 8.9 | N |
| 02-110-0004 3800 MENDENHALL LOOP ROAD | 362 | 4 | 23.5 | 6.4 | | 352 | 4 | 24.8 | 7.1 | | 359 | 4 | 27.3 | 8.6 | | 25 | Y | 7.4 | Y |
| 02-122-0008 144 N. Binkley St, Soldotna, AK 99669 | 348 | 4 | 7.4 | 1.0 | Y | 67 | 0 | 8.2* | 2.9 * | U | | 0 | | | * | 8 | N | 1.9 | N |
| 02-170-0008 HARRISON COURT,SITE LOCATED AT END OF CUL-DE-SAC | 317 | 4 | 33.4 | 5.9 | Y | 197 | 4 | 30.2 | 6.4 | U | 101 | 3 | 37.5 | 7.5* | U | 34 | Y | 6.6 | Y |

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NAAQS Standard: PM25 24-hour 2024 / PM25 Annual 2024
Statistic: Annual Weighted Mean **Level:** 9
Statistic: Annual 98th Percentile **Level:** 35

Design Value Year: 2012
REPORT EXCLUDES ALL MEASUREMENTS WITH EXCEPTIONAL EVENT FLAGS.

| Site_ID / STREET ADDRESS | 2012 | | | | | 2011 | | | | | 2010 | | | | | 24-Hour | | Annual | |
|--|-------|-------|---------|------|-------|-------|-------|---------|------|-------|-------|-------|---------|------|-------|--------------|------|--------------|------|
| | Cred. | Comp. | 98th | Wtd. | Cert& | Cred. | Comp. | 98th | Wtd. | Cert& | Cred. | Comp. | 98th | Wtd. | Cert& | Design Valid | | Design Valid | |
| | Days | Qrtrs | Perctil | Mean | Eval | Days | Qrtrs | Perctil | Mean | Eval | Days | Qrtrs | Perctil | Mean | Eval | Value | Ind. | Value | Ind. |
| | | | | | | | | | | | | | | | | | | | |
| 02-170-0012 SOUTH GULKANA STREET | 350 | 4 | 13.7 | 4.2 | Y | 349 | 4 | 9.1 | 4.1 | U | 294 | 3 | 11.6* | 3.1* | U | 11 | N | 3.8 | N |
| 02-170-0013 100 WEST SWANSON AVENUE | 361 | 4 | 22.8 | 5.7 | Y | 326 | 4 | 15.1 | 6.3 | U | | 0 | | * | | 19 | N | 6.0 | N |

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Standard Units: Micrograms/cubic meter (LC)(105)
NAAQS Standard: PM25 24-hour 2024 / PM25 Annual 2024
Statistic: Annual Weighted Mean **Level:** 9
Statistic: Annual 98th Percentile **Level:** 35

Design Value Year: 2013
REPORT EXCLUDES ALL MEASUREMENTS WITH EXCEPTIONAL EVENT FLAGS.

| Site_ID / STREET ADDRESS | 2013 | | | | | 2012 | | | | | 2011 | | | | | 24-Hour | | Annual | |
|--|-------|-------|---------|-------|-------|-------|-------|---------|------|-------|-------|-------|---------|------|-------|--------------|------|--------------|------|
| | Cred. | Comp. | 98th | Wtd. | Cert& | Cred. | Comp. | 98th | Wtd. | Cert& | Cred. | Comp. | 98th | Wtd. | Cert& | Design Valid | | Design Valid | |
| | Days | Qrtrs | Perctil | Mean | Eval | Days | Qrtrs | Perctil | Mean | Eval | Days | Qrtrs | Perctil | Mean | Eval | Value | Ind. | Value | Ind. |
| 02-020-0018 3000 EAST 16TH AVENUE | 341 | 4 | 15.7 | 4.9 | Y | 343 | 4 | 28.4 | 6.6 | Y | 341 | 4 | 17.3 | 5.2 | U | 20 | Y | 5.6 | Y |
| 02-020-1004 11723 OLD GLENN HIGHWAY | 344 | 4 | 15.0 | 5.0 | Y | 329 | 4 | 17.9 | 5.3 | Y | 340 | 4 | 15.7 | 4.6 | U | 16 | Y | 5.0 | Y |
| 02-090-0010 675 7TH AVENUE, FAIRBANKS | 112 | 4 | 36.3 | 10.6 | Y | 119 | 4 | 49.6 | 10.7 | Y | 121 | 4 | 38.0 | 10.7 | U | 41 | Y | 10.7 | Y |
| 02-090-0033 NP Elementary/250 Snowman Lane | 29 | 1 | 47.2 | 17.6* | Y | 104 | 4 | 68.1 | 10.2 | Y | 40 | 1 | 20.6* | 4.2* | S | 45 | Y | 10.7 | N |
| 02-090-0034 907 Terminal St. | 113 | 4 | 36.2 | 10.5 | Y | 121 | 4 | 50.0 | 11.3 | Y | 112 | 4 | 33.1 | 10.4 | U | 40 | Y | 10.7 | Y |
| 02-090-0035 3288 Hurst Road, North Pole, Alaska 99705 | 49 | 2 | 121.6 | 29.1* | Y | 96 | 4 | 158.4 | 16.8 | M | | 0 | | * | | 140 | N | 23.0 | N |
| 02-090-4003 Wood River/5000 Palo Verde Ave., Fairbanks, AK, 99709 | | 0 | | | * | | 0 | | | * | 67 | 2 | 29.2* | 6.8* | S | 29 | N | 6.8 | N |
| 02-110-0004 3800 MENDENHALL LOOP ROAD | 342 | 4 | 22.7 | 5.9 | | 362 | 4 | 23.5 | 6.4 | | 352 | 4 | 24.8 | 7.1 | | 24 | Y | 6.5 | Y |
| 02-122-0008 144 N. Binkley St, Soldotna, AK 99669 | 175 | 2 | 8.3* | .9* | Y | 348 | 4 | 7.4 | 1.0 | Y | 67 | 0 | 8.2* | 2.9* | U | 8 | N | 1.6 | N |
| 02-170-0008 HARRISON COURT,SITE LOCATED AT END OF CUL-DE-SAC | 341 | 4 | 27.9 | 6.4 | Y | 317 | 4 | 33.4 | 5.9 | Y | 197 | 4 | 30.2 | 6.4 | U | 31 | Y | 6.2 | Y |
| 02-170-0012 SOUTH GULKANA STREET | 356 | 4 | 11.1 | 3.2 | Y | 350 | 4 | 13.7 | 4.2 | Y | 349 | 4 | 9.1 | 4.1 | U | 11 | Y | 3.8 | Y |

Notes: 1. Computed design values are a snapshot of the data at the time the report was run (may not be all data for year).
2. Some PM2.5 24-hour DVs for incomplete data that are marked invalid here may be marked valid in the Official report due to additional analysis.
3. Annual Values not meeting completeness criteria are marked with an asterisk ('*').

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
AIR QUALITY SYSTEM
PRELIMINARY DESIGN VALUE REPORT

Report Date: Jan. 14, 2025

Pollutant: Site-LevelPM2.5 - Local Conditions(88101)
Standard Units: Micrograms/cubic meter (LC)(105)
NAAQS Standard: PM25 24-hour 2024 / PM25 Annual 2024
Statistic: Annual Weighted Mean **Level:** 9
Statistic: Annual 98th Percentile **Level:** 35

Design Value Year: 2013
REPORT EXCLUDES ALL MEASUREMENTS WITH EXCEPTIONAL EVENT FLAGS.

| State Name: Alaska | | | | | | | | | | | | | | | | | | | |
|---|-------------|-------|---------|------|-------|-------------|-------|---------|------|-------|-------------|-------|---------|------|-------|---------|-------|--------|-------|
| Statistic: Annual 98th Percentile Level: 35 | | | | | | | | | | | | | | | | | | | |
| Site_ID / STREET ADDRESS | 2013 | | | | | 2012 | | | | | 2011 | | | | | 24-Hour | | Annual | |
| | Cred. Comp. | | 98th | Wtd. | Cert& | Cred. Comp. | | 98th | Wtd. | Cert& | Cred. Comp. | | 98th | Wtd. | Cert& | Design | Valid | Design | Valid |
| | Days | Qrtrs | Perctil | Mean | Eval | Days | Qrtrs | Perctil | Mean | Eval | Days | Qrtrs | Perctil | Mean | Eval | Value | Ind. | Value | Ind. |
| 02-170-0013 | 345 | 4 | 16.0 | 4.0 | Y | 361 | 4 | 22.8 | 5.7 | Y | 326 | 4 | 15.1 | 6.3 | U | 18 | Y | 5.3 | Y |
| 100 WEST SWANSON AVENUE | | | | | | | | | | | | | | | | | | | |

Notes: 1. Computed design values are a snapshot of the data at the time the report was run (may not be all data for year).
2. Some PM2.5 24-hour DVs for incomplete data that are marked invalid here may be marked valid in the Official report due to additional analysis.
3. Annual Values not meeting completeness criteria are marked with an asterisk ('*').

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
AIR QUALITY SYSTEM
PRELIMINARY DESIGN VALUE REPORT

Report Date: Jan. 14, 2025

Pollutant: Site-LevelPM2.5 - Local Conditions(88101)
Standard Units: Micrograms/cubic meter (LC)(105)
NAAQS Standard: PM25 24-hour 2024 / PM25 Annual 2024
Statistic: Annual Weighted Mean **Level:** 9
Statistic: Annual 98th Percentile **Level:** 35

Design Value Year: 2014
REPORT EXCLUDES ALL MEASUREMENTS WITH EXCEPTIONAL EVENT FLAGS.

| Statistic: Annual 98th Percentile | | | | | | | | | | Level: 35 | | | | | | | | | | State Name: Alaska | | | |
|---|-------|-------|---------|-------|-------|-------|-------|---------|-------|-----------|-------|-------|---------|------|-------|---------|-------|--------|-------|--------------------|--|--|--|
| Site_ID / STREET ADDRESS | 2014 | | | | | 2013 | | | | | 2012 | | | | | 24-Hour | | Annual | | | | | |
| | Cred. | Comp. | 98th | Wtd. | Cert& | Cred. | Comp. | 98th | Wtd. | Cert& | Cred. | Comp. | 98th | Wtd. | Cert& | Design | Valid | Design | Valid | | | | |
| | Days | Qtrrs | Perctil | Mean | Eval | Days | Qtrrs | Perctil | Mean | Eval | Days | Qtrrs | Perctil | Mean | Eval | Value | Ind. | Value | Ind. | | | | |
| 02-020-0018 3000 EAST 16TH AVENUE | 345 | 4 | 18.5 | 5.8 | Y | 341 | 4 | 15.7 | 4.9 | Y | 343 | 4 | 28.4 | 6.6 | Y | 21 | Y | 5.8 | Y | | | | |
| 02-020-1004 11723 OLD GLENN HIGHWAY | 353 | 4 | 14.2 | 5.1 | Y | 344 | 4 | 15.0 | 5.0 | Y | 329 | 4 | 17.9 | 5.3 | Y | 16 | Y | 5.2 | Y | | | | |
| 02-090-0010 575 7TH AVENUE, FAIRBANKS | 115 | 4 | 34.5 | 10.3 | Y | 112 | 4 | 36.3 | 10.6 | Y | 119 | 4 | 49.6 | 10.7 | Y | 40 | Y | 10.5 | Y | | | | |
| 02-090-0034 907 Terminal St. | 120 | 4 | 31.6 | 10.4 | Y | 113 | 4 | 36.2 | 10.5 | Y | 121 | 4 | 50.0 | 11.3 | Y | 39 | Y | 10.7 | Y | | | | |
| 02-090-0035 3288 Hurst Road, North Pole, Alaska 99705 | 59 | 2 | 138.3 | 33.9* | Y | 49 | 2 | 121.6 | 29.1* | Y | 96 | 4 | 158.4 | 16.8 | M | 139 | Y | 26.6 | N | | | | |
| 02-090-0039 North Pole Water/2696 Mockler Ave, North Pole AK 99507 | 29 | 1 | 78.4 | 19.3* | S | | 0 | | | * | | 0 | | | * | 78 | N | 19.3 | N | | | | |
| 02-110-0004 3800 MENDENHALL LOOP ROAD | 349 | 4 | 27.5 | 7.7 | | 342 | 4 | 22.7 | 5.9 | | 362 | 4 | 23.5 | 6.4 | | 25 | Y | 6.7 | Y | | | | |
| 02-122-0008 144 N. Binkley St, Soldotna, AK 99669 | 46 | 0 | 29.7* | 8.3* | Y | 175 | 2 | 8.3* | .9 | * | Y | 348 | 4 | 7.4 | 1.0 | Y | 15 | N | 3.4 | N | | | |
| 02-170-0008 HARRISON COURT,SITE LOCATED AT END OF CUL-DE-SAC | 357 | 4 | 38.1 | 7.7 | Y | 341 | 4 | 27.9 | 6.4 | Y | 317 | 4 | 33.4 | 5.9 | Y | 33 | Y | 6.7 | Y | | | | |
| 02-170-0012 SOUTH GULKANA STREET | 355 | 4 | 9.2 | 2.1 | Y | 356 | 4 | 11.1 | 3.2 | Y | 350 | 4 | 13.7 | 4.2 | Y | 11 | Y | 3.1 | Y | | | | |
| 02-170-0013 100 WEST SWANSON AVENUE | 347 | 4 | 15.5 | 3.6 | Y | 345 | 4 | 16.0 | 4.0 | Y | 361 | 4 | 22.8 | 5.7 | Y | 18 | Y | 4.5 | Y | | | | |

- Notes:** 1. Computed design values are a snapshot of the data at the time the report was run (may not be all data for year).
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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
AIR QUALITY SYSTEM
PRELIMINARY DESIGN VALUE REPORT

Report Date: Jan. 14, 2025

Pollutant: Site-Level PM2.5 - Local Conditions (88101)
Standard Units: Micrograms/cubic meter (LC) (105)
NAAQS Standard: PM25 24-hour 2024 / PM25 Annual 2024
Statistic: Annual Weighted Mean **Level:** 9
Statistic: Annual 98th Percentile **Level:** 35

Design Value Year: 2015
REPORT EXCLUDES ALL MEASUREMENTS WITH EXCEPTIONAL EVENT FLAGS.

| Site_ID / STREET ADDRESS | 2015 | | | | | 2014 | | | | | 2013 | | | | | 24-Hour | | Annual | |
|---|-------|-------|---------|-------|-------|-------|-------|---------|-------|-------|-------|-------|---------|-------|-------|--------------|------|--------------|------|
| | Cred. | Comp. | 98th | Wtd. | Cert& | Cred. | Comp. | 98th | Wtd. | Cert& | Cred. | Comp. | 98th | Wtd. | Cert& | Design Valid | | Design Valid | |
| | Days | Qtrrs | Perctil | Mean | Eval | Days | Qtrrs | Perctil | Mean | Eval | Days | Qtrrs | Perctil | Mean | Eval | Value | Ind. | Value | Ind. |
| 02-020-0018 3000 EAST 16TH AVENUE | 338 | 4 | 18.4 | 6.3 | Y | 345 | 4 | 18.5 | 5.8 | Y | 341 | 4 | 15.7 | 4.9 | Y | 18 | Y | 5.7 | Y |
| 02-020-1004 11723 OLD GLENN HIGHWAY | 350 | 4 | 17.2 | 6.1 | Y | 353 | 4 | 14.2 | 5.1 | Y | 344 | 4 | 15.0 | 5.0 | Y | 15 | Y | 5.4 | Y |
| 02-090-0010 675 7TH AVENUE, FAIRBANKS | 104 | 4 | 35.3* | 9.1 | Y | 115 | 4 | 34.5 | 10.3 | Y | 112 | 4 | 36.3 | 10.6 | Y | 35 | N | 10.0 | Y |
| 02-090-0034 907 Terminal St. | 115 | 4 | 36.7 | 9.9 | Y | 120 | 4 | 31.6 | 10.4 | Y | 113 | 4 | 36.2 | 10.5 | Y | 35 | Y | 10.3 | Y |
| 02-090-0035 3288 Hurst Road, North Pole, Alaska 99705 | 113 | 4 | 111.6 | 18.4 | Y | 59 | 2 | 138.3 | 33.9* | Y | 49 | 2 | 121.6 | 29.1* | Y | 124 | Y | 27.1 | N |
| 02-090-0039 North Pole Water/2696 Mockler Ave, North Pole AK 99507 | 15 | 1 | 53.4 | 23.1* | S | 29 | 1 | 78.4 | 19.3* | S | | 0 | | * | | 66 | N | 21.2 | N |
| 02-110-0004 3800 MENDENHALL LOOP ROAD | 350 | 4 | 21.0 | 6.5 | | 349 | 4 | 27.5 | 7.7 | | 342 | 4 | 22.7 | 5.9 | | 24 | Y | 6.7 | Y |
| 02-170-0008 HARRISON COURT, SITE LOCATED AT END OF CUL-DE-SAC | 356 | 4 | 37.9 | 6.8 | Y | 357 | 4 | 38.1 | 7.7 | Y | 341 | 4 | 27.9 | 6.4 | Y | 35 | Y | 7.0 | Y |
| 02-170-0012 SOUTH GULKANA STREET | 348 | 4 | 9.9 | 2.7 | Y | 355 | 4 | 9.2 | 2.1 | Y | 356 | 4 | 11.1 | 3.2 | Y | 10 | Y | 2.6 | Y |
| 02-170-0013 100 WEST SWANSON AVENUE | 83 | 1 | 20.7* | 6.1* | Y | 347 | 4 | 15.5 | 3.6 | Y | 345 | 4 | 16.0 | 4.0 | Y | 17 | N | 4.6 | N |

Notes: 1. Computed design values are a snapshot of the data at the time the report was run (may not be all data for year).
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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
AIR QUALITY SYSTEM
PRELIMINARY DESIGN VALUE REPORT

Report Date: Jan. 14, 2025

Pollutant: Site-LevelPM2.5 - Local Conditions(88101)
Standard Units: Micrograms/cubic meter (LC)(105)
NAAQS Standard: PM25 24-hour 2024 / PM25 Annual 2024
Statistic: Annual Weighted Mean **Level:** 9
Statistic: Annual 98th Percentile **Level:** 35

Design Value Year: 2016
REPORT EXCLUDES ALL MEASUREMENTS WITH EXCEPTIONAL EVENT FLAGS.

| Site_ID / STREET ADDRESS | 2016 | | | | | 2015 | | | | | 2014 | | | | | 24-Hour | | Annual | |
|---|-------|-------|---------|------|-------|-------|-------|---------|-------|-------|-------|-------|---------|-------|-------|--------------|------|--------------|------|
| | Cred. | Comp. | 98th | Wtd. | Cert& | Cred. | Comp. | 98th | Wtd. | Cert& | Cred. | Comp. | 98th | Wtd. | Cert& | Design Valid | | Design Valid | |
| | Days | Qrtrs | Perctil | Mean | Eval | Days | Qrtrs | Perctil | Mean | Eval | Days | Qrtrs | Perctil | Mean | Eval | Value | Ind. | Value | Ind. |
| 02-020-0018 3000 EAST 16TH AVENUE | 344 | 4 | 16.1 | 6.5 | Y | 338 | 4 | 18.4 | 6.3 | Y | 345 | 4 | 18.5 | 5.8 | Y | 18 | Y | 6.2 | Y |
| 02-020-1004 11723 OLD GLENN HIGHWAY | 348 | 4 | 13.8 | 4.8 | Y | 350 | 4 | 17.2 | 6.1 | Y | 353 | 4 | 14.2 | 5.1 | Y | 15 | Y | 5.4 | Y |
| 02-090-0010 675 7TH AVENUE, FAIRBANKS | 113 | 4 | 39.7 | 8.8 | Y | 104 | 4 | 35.3* | 9.1 | Y | 115 | 4 | 34.5 | 10.3 | Y | 37 | Y | 9.4 | Y |
| 02-090-0034 907 Terminal St. | 157 | 4 | 30.3 | 9.1 | Y | 115 | 4 | 36.7 | 9.9 | Y | 120 | 4 | 31.6 | 10.4 | Y | 33 | Y | 9.8 | Y |
| 02-090-0035 3288 Hurst Road, North Pole, Alaska 99705 | 115 | 4 | 66.8 | 13.7 | Y | 113 | 4 | 111.6 | 18.4 | Y | 59 | 2 | 138.3 | 33.9* | Y | 106 | Y | 22.0 | Y |
| 02-110-0004 3800 MENDENHALL LOOP ROAD | 303 | 3 | 23.9 | 5.9* | U | 350 | 4 | 21.0 | 6.5 | | 349 | 4 | 27.5 | 7.7 | | 24 | Y | 6.7 | Y |
| 02-170-0008 HARRISON COURT,SITE LOCATED AT END OF CUL-DE-SAC | 346 | 4 | 29.2 | 5.8 | Y | 356 | 4 | 37.9 | 6.8 | Y | 357 | 4 | 38.1 | 7.7 | Y | 35 | Y | 6.7 | Y |
| 02-170-0012 SOUTH GULKANA STREET | 336 | 4 | 9.2 | 2.8 | Y | 348 | 4 | 9.9 | 2.7 | Y | 355 | 4 | 9.2 | 2.1 | Y | 9 | Y | 2.5 | Y |
| 02-170-0013 100 WEST SWANSON AVENUE | | 0 | | | * | 83 | 1 | 20.7* | 6.1 * | Y | 347 | 4 | 15.5 | 3.6 | Y | 18 | N | 4.8 | N |

Notes: 1. Computed design values are a snapshot of the data at the time the report was run (may not be all data for year).
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3. Annual Values not meeting completeness criteria are marked with an asterisk ('*').

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
AIR QUALITY SYSTEM
PRELIMINARY DESIGN VALUE REPORT

Report Date: Jan. 14, 2025

Pollutant: Site-LevelPM2.5 - Local Conditions(88101)
Standard Units: Micrograms/cubic meter (LC)(105)
NAAQS Standard: PM25 24-hour 2024 / PM25 Annual 2024
Statistic: Annual Weighted Mean **Level:** 9
Statistic: Annual 98th Percentile **Level:** 35

Design Value Year: 2017
REPORT EXCLUDES ALL MEASUREMENTS WITH EXCEPTIONAL EVENT FLAGS.

| Site_ID / STREET ADDRESS | 2017 | | | | | 2016 | | | | | 2015 | | | | | 24-Hour | | Annual | |
|---|-------|-------|---------|------|-------|-------|-------|---------|-------|-------|-------|-------|---------|------|-------|--------------|------|--------------|------|
| | Cred. | Comp. | 98th | Wtd. | Cert& | Cred. | Comp. | 98th | Wtd. | Cert& | Cred. | Comp. | 98th | Wtd. | Cert& | Design Valid | | Design Valid | |
| | Days | Qrtrs | Perctil | Mean | Eval | Days | Qrtrs | Perctil | Mean | Eval | Days | Qrtrs | Perctil | Mean | Eval | Value | Ind. | Value | Ind. |
| 02-020-0018 3000 EAST 16TH AVENUE | 345 | 4 | 26.9 | 5.5 | Y | 344 | 4 | 16.1 | 6.5 | Y | 338 | 4 | 18.4 | 6.3 | Y | 20 | Y | 6.1 | Y |
| 02-020-1004 11723 OLD GLENN HIGHWAY | 345 | 4 | 15.4 | 4.2 | Y | 348 | 4 | 13.8 | 4.8 | Y | 350 | 4 | 17.2 | 6.1 | Y | 15 | Y | 5.1 | Y |
| 02-090-0010 675 7TH AVENUE, FAIRBANKS | 288 | 4 | 38.0 | 9.1 | Y | 113 | 4 | 39.7 | 8.8 | Y | 104 | 4 | 35.3* | 9.1 | Y | 38 | Y | 9.0 | Y |
| 02-090-0034 907 Terminal St. | 335 | 4 | 34.4 | 8.6 | Y | 157 | 4 | 30.3 | 9.1 | Y | 115 | 4 | 36.7 | 9.9 | Y | 34 | Y | 9.2 | Y |
| 02-090-0035 3288 Hurst Road, North Pole, Alaska 99705 | 209 | 4 | 75.5 | 13.9 | Y | 115 | 4 | 66.8 | 13.7 | Y | 113 | 4 | 111.6 | 18.4 | Y | 85 | Y | 15.3 | Y |
| 02-110-0004 3800 MENDENHALL LOOP ROAD | 353 | 4 | 22.0 | 5.6 | U | 303 | 3 | 23.9 | 5.9 * | U | 350 | 4 | 21.0 | 6.5 | | 22 | Y | 6.0 | Y |
| 02-170-0008 HARRISON COURT,SITE LOCATED AT END OF CUL-DE-SAC | 356 | 4 | 29.7 | 5.7 | Y | 346 | 4 | 29.2 | 5.8 | Y | 356 | 4 | 37.9 | 6.8 | Y | 32 | Y | 6.1 | Y |
| 02-170-0012 SOUTH GULKANA STREET | 347 | 4 | 11.1 | 3.2 | Y | 336 | 4 | 9.2 | 2.8 | Y | 348 | 4 | 9.9 | 2.7 | Y | 10 | Y | 2.9 | Y |
| 02-170-0013 100 WEST SWANSON AVENUE | | 0 | | | * | | 0 | | | * | 83 | 1 | 20.7* | 6.1* | Y | 21 | N | 6.1 | N |

Notes: 1. Computed design values are a snapshot of the data at the time the report was run (may not be all data for year).
2. Some PM2.5 24-hour DVs for incomplete data that are marked invalid here may be marked valid in the Official report due to additional analysis.
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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
AIR QUALITY SYSTEM
PRELIMINARY DESIGN VALUE REPORT

Report Date: Jan. 14, 2025

Pollutant: Site-LevelPM2.5 - Local Conditions(88101)
Standard Units: Micrograms/cubic meter (LC)(105)
NAAQS Standard: PM25 24-hour 2024 / PM25 Annual 2024
Statistic: Annual Weighted Mean **Level:** 9
Statistic: Annual 98th Percentile **Level:** 35

Design Value Year: 2018
REPORT EXCLUDES ALL MEASUREMENTS WITH EXCEPTIONAL EVENT FLAGS.

| Site_ID / STREET ADDRESS | 2018 | | | | | 2017 | | | | | 2016 | | | | | 24-Hour | | Annual | |
|---|-------|-------|---------|------|-------|-------|-------|---------|------|-------|-------|-------|---------|------|-------|--------------|------|--------------|------|
| | Cred. | Comp. | 98th | Wtd. | Cert& | Cred. | Comp. | 98th | Wtd. | Cert& | Cred. | Comp. | 98th | Wtd. | Cert& | Design Valid | | Design Valid | |
| | Days | Qrtrs | Perctil | Mean | Eval | Days | Qrtrs | Perctil | Mean | Eval | Days | Qrtrs | Perctil | Mean | Eval | Value | Ind. | Value | Ind. |
| 02-020-0018 3000 EAST 16TH AVENUE | 354 | 4 | 17.7 | 5.4 | Y | 345 | 4 | 26.9 | 5.5 | Y | 344 | 4 | 16.1 | 6.5 | Y | 20 | Y | 5.8 | Y |
| 02-020-1004 11723 OLD GLENN HIGHWAY | 346 | 4 | 14.4 | 5.1 | Y | 345 | 4 | 15.4 | 4.2 | Y | 348 | 4 | 13.8 | 4.8 | Y | 15 | Y | 4.7 | Y |
| 02-090-0010 675 7TH AVENUE, FAIRBANKS | 316 | 3 | 27.0* | 7.6* | Y | 288 | 4 | 38.0 | 9.1 | Y | 113 | 4 | 39.7 | 8.8 | Y | 35 | N | 8.5 | N |
| 02-090-0034 907 Terminal St. | 316 | 4 | 25.3 | 7.3 | Y | 335 | 4 | 34.4 | 8.6 | Y | 157 | 4 | 30.3 | 9.1 | Y | 30 | Y | 8.3 | Y |
| 02-090-0035 3288 Hurst Road, North Pole, Alaska 99705 | 329 | 4 | 52.8 | 10.9 | Y | 209 | 4 | 75.5 | 13.9 | Y | 115 | 4 | 66.8 | 13.7 | Y | 65 | Y | 12.8 | Y |
| 02-110-0004 3800 MENDENHALL LOOP ROAD | 350 | 4 | 22.1 | 6.8 | | 353 | 4 | 22.0 | 5.6 | U | 303 | 3 | 23.9 | 5.9* | U | 23 | Y | 6.1 | Y |
| 02-170-0008 HARRISON COURT,SITE LOCATED AT END OF CUL-DE-SAC | 355 | 4 | 19.2 | 4.6 | Y | 356 | 4 | 29.7 | 5.7 | Y | 346 | 4 | 29.2 | 5.8 | Y | 26 | Y | 5.3 | Y |
| 02-170-0012 SOUTH GULKANA STREET | 346 | 4 | 8.5 | 3.0 | Y | 347 | 4 | 11.1 | 3.2 | Y | 336 | 4 | 9.2 | 2.8 | Y | 10 | Y | 3.0 | Y |

Notes: 1. Computed design values are a snapshot of the data at the time the report was run (may not be all data for year).
2. Some PM2.5 24-hour DVs for incomplete data that are marked invalid here may be marked valid in the Official report due to additional analysis.
3. Annual Values not meeting completeness criteria are marked with an asterisk ('*').

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
AIR QUALITY SYSTEM
PRELIMINARY DESIGN VALUE REPORT

Report Date: Jan. 14, 2025

Pollutant: Site-LevelPM2.5 - Local Conditions(88101)
Standard Units: Micrograms/cubic meter (LC)(105)
NAAQS Standard: PM25 24-hour 2024 / PM25 Annual 2024
Statistic: Annual Weighted Mean **Level:** 9
Statistic: Annual 98th Percentile **Level:** 35

Design Value Year: 2019
REPORT EXCLUDES ALL MEASUREMENTS WITH EXCEPTIONAL EVENT FLAGS.

| Site_ID / STREET ADDRESS | 2019 | | | | | 2018 | | | | | 2017 | | | | | 24-Hour | | Annual | |
|---|-------|-------|---------|------|-------|-------|-------|---------|-------|-------|-------|-------|---------|------|-------|--------------|------|--------------|------|
| | Cred. | Comp. | 98th | Wtd. | Cert& | Cred. | Comp. | 98th | Wtd. | Cert& | Cred. | Comp. | 98th | Wtd. | Cert& | Design Valid | | Design Valid | |
| | Days | Qrtrs | Perctil | Mean | Eval | Days | Qrtrs | Perctil | Mean | Eval | Days | Qrtrs | Perctil | Mean | Eval | Value | Ind. | Value | Ind. |
| 02-020-0018 3000 EAST 16TH AVENUE | 349 | 4 | 24.6 | 7.3 | Y | 354 | 4 | 17.7 | 5.4 | Y | 345 | 4 | 26.9 | 5.5 | Y | 23 | Y | 6.1 | Y |
| 02-020-1004 11723 OLD GLENN HIGHWAY | 173 | 2 | 18.5* | 6.4* | Y | 346 | 4 | 14.4 | 5.1 | Y | 345 | 4 | 15.4 | 4.2 | Y | 16 | N | 5.3 | N |
| 02-090-0010 675 7TH AVENUE, FAIRBANKS | 172 | 2 | 27.7* | 7.6* | Y | 316 | 3 | 27.0* | 7.6 * | Y | 288 | 4 | 38.0 | 9.1 | Y | 31 | N | 8.1 | N |
| 02-090-0034 907 Terminal St. | 350 | 4 | 31.9 | 8.4 | M | 316 | 4 | 25.3 | 7.3 | Y | 335 | 4 | 34.4 | 8.6 | Y | 31 | Y | 8.1 | Y |
| 02-090-0035 3288 Hurst Road, North Pole, Alaska 99705 | 342 | 4 | 65.5 | 11.4 | Y | 329 | 4 | 52.8 | 10.9 | Y | 209 | 4 | 75.5 | 13.9 | Y | 65 | Y | 12.1 | Y |
| 02-090-0040 397 Hamilton Ave | 129 | 1 | 34.1* | 7.9* | Y | | 0 | | | * | | 0 | | | * | 34 | N | 7.9 | N |
| 02-110-0004 3800 MENDENHALL LOOP ROAD | 345 | 4 | 24.9 | 6.8 | | 350 | 4 | 22.1 | 6.8 | | 353 | 4 | 22.0 | 5.6 | U | 23 | Y | 6.4 | Y |
| 02-170-0008 HARRISON COURT,SITE LOCATED AT END OF CUL-DE-SAC | 360 | 4 | 27.7 | 6.5 | Y | 355 | 4 | 19.2 | 4.6 | Y | 356 | 4 | 29.7 | 5.7 | Y | 26 | Y | 5.6 | Y |
| 02-170-0012 SOUTH GULKANA STREET | 201 | 2 | 18.7* | 6.3* | Y | 346 | 4 | 8.5 | 3.0 | Y | 347 | 4 | 11.1 | 3.2 | Y | 13 | N | 4.1 | N |

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3. Annual Values not meeting completeness criteria are marked with an asterisk ('*').

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
AIR QUALITY SYSTEM
PRELIMINARY DESIGN VALUE REPORT

Report Date: Jan. 14, 2025

Pollutant: Site-LevelPM2.5 - Local Conditions(88101)
Standard Units: Micrograms/cubic meter (LC)(105)
NAAQS Standard: PM25 24-hour 2024 / PM25 Annual 2024
Statistic: Annual Weighted Mean **Level:** 9
Statistic: Annual 98th Percentile **Level:** 35

Design Value Year: 2020
REPORT EXCLUDES ALL MEASUREMENTS WITH EXCEPTIONAL EVENT FLAGS.

| Site_ID / STREET ADDRESS | 2020 | | | | | 2019 | | | | | 2018 | | | | | 24-Hour | | Annual | |
|---|-------|-------|---------|------|-------|-------|-------|---------|-------|-------|-------|-------|---------|------|-------|--------------|------|--------------|------|
| | Cred. | Comp. | 98th | Wtd. | Cert& | Cred. | Comp. | 98th | Wtd. | Cert& | Cred. | Comp. | 98th | Wtd. | Cert& | Design Valid | | Design Valid | |
| | Days | Qrtrs | Perctil | Mean | Eval | Days | Qrtrs | Perctil | Mean | Eval | Days | Qrtrs | Perctil | Mean | Eval | Value | Ind. | Value | Ind. |
| 02-020-0018 3000 EAST 16TH AVENUE | 351 | 4 | 22.2 | 5.9 | Y | 349 | 4 | 24.6 | 7.3 | Y | 354 | 4 | 17.7 | 5.4 | Y | 22 | Y | 6.2 | Y |
| 02-020-1004 11723 OLD GLENN HIGHWAY | | 0 | | | * | 173 | 2 | 18.5* | 6.4 * | Y | 346 | 4 | 14.4 | 5.1 | Y | 16 | N | 5.8 | N |
| 02-090-0034 907 Terminal St. | 313 | 4 | 26.6 | 7.2 | Y | 350 | 4 | 31.9 | 8.4 | M | 316 | 4 | 25.3 | 7.3 | Y | 28 | Y | 7.6 | Y |
| 02-090-0035 3288 Hurst Road, North Pole, Alaska 99705 | 346 | 4 | 71.4 | 12.1 | Y | 342 | 4 | 65.5 | 11.4 | Y | 329 | 4 | 52.8 | 10.9 | Y | 63 | Y | 11.5 | Y |
| 02-090-0040 397 Hamilton Ave | 330 | 4 | 36.1 | 8.3 | Y | 129 | 1 | 34.1* | 7.9 * | Y | | 0 | | | * | 35 | N | 8.1 | N |
| 02-110-0004 3800 MENDENHALL LOOP ROAD | 343 | 4 | 17.2 | 4.8 | | 345 | 4 | 24.9 | 6.8 | | 350 | 4 | 22.1 | 6.8 | | 21 | Y | 6.1 | Y |
| 02-170-0008 HARRISON COURT,SITE LOCATED AT END OF CUL-DE-SAC | 350 | 4 | 24.0 | 4.6 | Y | 360 | 4 | 27.7 | 6.5 | Y | 355 | 4 | 19.2 | 4.6 | Y | 24 | Y | 5.2 | Y |

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
AIR QUALITY SYSTEM
PRELIMINARY DESIGN VALUE REPORT

Report Date: Jan. 14, 2025

Pollutant: Site-LevelPM2.5 - Local Conditions(88101)
Standard Units: Micrograms/cubic meter (LC)(105)
NAAQS Standard: PM25 24-hour 2024 / PM25 Annual 2024
Statistic: Annual Weighted Mean **Level:** 9
Statistic: Annual 98th Percentile **Level:** 35

Design Value Year: 2021
REPORT EXCLUDES ALL MEASUREMENTS WITH EXCEPTIONAL EVENT FLAGS.

| Site_ID / STREET ADDRESS | 2021 | | | | | 2020 | | | | | 2019 | | | | | 24-Hour | | Annual | |
|---|-------|-------|---------|-------|-------|-------|-------|---------|------|-------|-------|-------|---------|------|-------|--------------|------|--------------|------|
| | Cred. | Comp. | 98th | Wtd. | Cert& | Cred. | Comp. | 98th | Wtd. | Cert& | Cred. | Comp. | 98th | Wtd. | Cert& | Design Valid | | Design Valid | |
| | Days | Qrtrs | Perctil | Mean | Eval | Days | Qrtrs | Perctil | Mean | Eval | Days | Qrtrs | Perctil | Mean | Eval | Value | Ind. | Value | Ind. |
| 02-020-0018 3000 EAST 16TH AVENUE | 348 | 4 | 18.7 | 6.0 | Y | 351 | 4 | 22.2 | 5.9 | Y | 349 | 4 | 24.6 | 7.3 | Y | 22 | Y | 6.4 | Y |
| 02-020-1004 11723 OLD GLENN HIGHWAY | | 0 | | | * | | 0 | | | * | 173 | 2 | 18.5* | 6.4* | Y | 19 | N | 6.4 | N |
| 02-090-0034 907 Terminal St. | 327 | 4 | 26.8 | 7.5 | Y | 313 | 4 | 26.6 | 7.2 | Y | 350 | 4 | 31.9 | 8.4 | M | 28 | Y | 7.7 | Y |
| 02-090-0035 3288 Hurst Road, North Pole, Alaska 99705 | 325 | 4 | 62.6 | 10.7 | Y | 346 | 4 | 71.4 | 12.1 | Y | 342 | 4 | 65.5 | 11.4 | Y | 67 | Y | 11.4 | Y |
| 02-090-0040 397 Hamilton Ave | 201 | 3 | 29.0* | 11.4* | Y | 330 | 4 | 36.1 | 8.3 | Y | 129 | 1 | 34.1* | 7.9* | Y | 33 | N | 9.2 | N |
| 02-110-0004 3800 MENDENHALL LOOP ROAD | 355 | 4 | 17.0 | 4.4 | | 343 | 4 | 17.2 | 4.8 | | 345 | 4 | 24.9 | 6.8 | | 20 | Y | 5.3 | Y |
| 02-170-0008 HARRISON COURT,SITE LOCATED AT END OF CUL-DE-SAC | 349 | 4 | 21.2 | 4.4 | Y | 350 | 4 | 24.0 | 4.6 | Y | 360 | 4 | 27.7 | 6.5 | Y | 24 | Y | 5.2 | Y |

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
AIR QUALITY SYSTEM
PRELIMINARY DESIGN VALUE REPORT

Report Date: Jan. 14, 2025

Pollutant: Site-Level PM2.5 - Local Conditions (88101)
Standard Units: Micrograms/cubic meter (LC) (105)
NAAQS Standard: PM25 24-hour 2024 / PM25 Annual 2024
Statistic: Annual Weighted Mean **Level:** 9
Statistic: Annual 98th Percentile **Level:** 35

Design Value Year: 2022
REPORT EXCLUDES ALL MEASUREMENTS WITH EXCEPTIONAL EVENT FLAGS.

| Site_ID / STREET ADDRESS | 2022 | | | | | 2021 | | | | | 2020 | | | | | 24-Hour | | Annual | |
|--|-------|-------|---------|------|-------|-------|-------|---------|-------|-------|-------|-------|---------|------|-------|--------------|------|--------------|------|
| | Cred. | Comp. | 98th | Wtd. | Cert& | Cred. | Comp. | 98th | Wtd. | Cert& | Cred. | Comp. | 98th | Wtd. | Cert& | Design Valid | | Design Valid | |
| | Days | Qtrrs | Perctil | Mean | Eval | Days | Qtrrs | Perctil | Mean | Eval | Days | Qtrrs | Perctil | Mean | Eval | Value | Ind. | Value | Ind. |
| 02-020-0018 3000 EAST 16TH AVENUE | 352 | 4 | 24.0 | 4.9 | Y | 348 | 4 | 18.7 | 6.0 | Y | 351 | 4 | 22.2 | 5.9 | Y | 22 | Y | 5.6 | Y |
| 02-090-0034 907 Terminal St. | 348 | 4 | 29.1 | 6.7 | Y | 327 | 4 | 26.8 | 7.5 | Y | 313 | 4 | 26.6 | 7.2 | Y | 28 | Y | 7.1 | Y |
| 02-090-0035 3288 Hurst Road, North Pole, Alaska 99705 | 318 | 4 | 51.2 | 8.1 | Y | 325 | 4 | 62.6 | 10.7 | Y | 346 | 4 | 71.4 | 12.1 | Y | 62 | Y | 10.3 | Y |
| 02-090-0040 397 Hamilton Ave | 297 | 4 | 25.3 | 6.6 | Y | 201 | 3 | 29.0* | 11.4* | Y | 330 | 4 | 36.1 | 8.3 | Y | 30 | N | 8.8 | N |
| 02-110-0004 3800 MENDENHALL LOOP ROAD | 342 | 4 | 22.1 | 4.8 | | 355 | 4 | 17.0 | 4.4 | | 343 | 4 | 17.2 | 4.8 | | 19 | Y | 4.7 | Y |
| 02-170-0008 HARRISON COURT, SITE LOCATED AT END OF CUL-DE-SAC | 322 | 3 | 21.2 | 4.4* | Y | 349 | 4 | 21.2 | 4.4 | Y | 350 | 4 | 24.0 | 4.6 | Y | 22 | Y | 4.5 | Y |

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
AIR QUALITY SYSTEM
PRELIMINARY DESIGN VALUE REPORT

Report Date: Jan. 14, 2025

Pollutant: Site-Level PM2.5 - Local Conditions (88101)
Standard Units: Micrograms/cubic meter (LC) (105)
NAAQS Standard: PM25 24-hour 2024 / PM25 Annual 2024
Statistic: Annual Weighted Mean **Level:** 9
Statistic: Annual 98th Percentile **Level:** 35

Design Value Year: 2023
REPORT EXCLUDES ALL MEASUREMENTS WITH EXCEPTIONAL EVENT FLAGS.

| Site_ID / STREET ADDRESS | 2023 | | | | | 2022 | | | | | 2021 | | | | | 24-Hour | | Annual | |
|--|-------|-------|---------|------|-------|-------|-------|---------|-------|-------|-------|-------|---------|-------|-------|--------------|------|--------------|------|
| | Cred. | Comp. | 98th | Wtd. | Cert& | Cred. | Comp. | 98th | Wtd. | Cert& | Cred. | Comp. | 98th | Wtd. | Cert& | Design Valid | | Design Valid | |
| | Days | Qtrrs | Perctil | Mean | Eval | Days | Qtrrs | Perctil | Mean | Eval | Days | Qtrrs | Perctil | Mean | Eval | Value | Ind. | Value | Ind. |
| 02-020-0018 3000 EAST 16TH AVENUE | 354 | 4 | 14.2 | 4.2 | Y | 352 | 4 | 24.0 | 4.9 | Y | 348 | 4 | 18.7 | 6.0 | Y | 19 | Y | 5.1 | Y |
| 02-090-0034 907 Terminal St. | 361 | 4 | 20.0 | 6.4 | Y | 348 | 4 | 29.1 | 6.7 | Y | 327 | 4 | 26.8 | 7.5 | Y | 25 | Y | 6.9 | Y |
| 02-090-0035 3288 Hurst Road, North Pole, Alaska 99705 | 349 | 4 | 51.9 | 9.5 | Y | 318 | 4 | 51.2 | 8.1 | Y | 325 | 4 | 62.6 | 10.7 | Y | 55 | Y | 9.4 | Y |
| 02-090-0040 397 Hamilton Ave | 342 | 4 | 27.8 | 7.0 | Y | 297 | 4 | 25.3 | 6.6 | Y | 201 | 3 | 29.0* | 11.4* | Y | 27 | N | 8.4 | N |
| 02-110-0004 3800 MENDENHALL LOOP ROAD | 364 | 4 | 15.9 | 4.7 | X | 342 | 4 | 22.1 | 4.8 | | 355 | 4 | 17.0 | 4.4 | | 18 | Y | 4.6 | Y |
| 02-170-0008 HARRISON COURT, SITE LOCATED AT END OF CUL-DE-SAC | 347 | 4 | 17.5 | 4.1 | Y | 322 | 3 | 21.2 | 4.4 * | Y | 349 | 4 | 21.2 | 4.4 | Y | 20 | Y | 4.3 | Y |

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
AIR QUALITY SYSTEM
PRELIMINARY DESIGN VALUE REPORT

Report Date: Jan. 14, 2025

Pollutant: Site-LevelPM2.5 - Local Conditions(88101)
Standard Units: Micrograms/cubic meter (LC)(105)
NAAQS Standard: PM25 24-hour 2024 / PM25 Annual 2024
Statistic: Annual Weighted Mean **Level:** 9
Statistic: Annual 98th Percentile **Level:** 35

Design Value Year: 2024
REPORT EXCLUDES ALL MEASUREMENTS WITH EXCEPTIONAL EVENT FLAGS.

| Site_ID / STREET ADDRESS | 2024 | | | | | 2023 | | | | | 2022 | | | | | 24-Hour | | Annual | |
|---|-------|-------|---------|-------|-------|-------|-------|---------|------|-------|-------|-------|---------|------|-------|--------------|------|--------------|------|
| | Cred. | Comp. | 98th | Wtd. | Cert& | Cred. | Comp. | 98th | Wtd. | Cert& | Cred. | Comp. | 98th | Wtd. | Cert& | Design Valid | | Design Valid | |
| | Days | Qrtrs | Perctil | Mean | Eval | Days | Qrtrs | Perctil | Mean | Eval | Days | Qrtrs | Perctil | Mean | Eval | Value | Ind. | Value | Ind. |
| 02-020-0018 3000 EAST 16TH AVENUE | 264 | 3 | 14.2* | 4.0* | | 354 | 4 | 14.2 | 4.2 | Y | 352 | 4 | 24.0 | 4.9 | Y | 17 | N | 4.4 | N |
| 02-090-0034 907 Terminal St. | 261 | 3 | 24.0* | 5.7* | | 361 | 4 | 20.0 | 6.4 | Y | 348 | 4 | 29.1 | 6.7 | Y | 24 | N | 6.3 | N |
| 02-090-0035 3288 Hurst Road, North Pole, Alaska 99705 | 249 | 3 | 66.0 | 12.0* | | 349 | 4 | 51.9 | 9.5 | Y | 318 | 4 | 51.2 | 8.1 | Y | 56 | Y | 9.9 | N |
| 02-090-0040 397 Hamilton Ave | 274 | 3 | 51.5 | 8.8* | | 342 | 4 | 27.8 | 7.0 | Y | 297 | 4 | 25.3 | 6.6 | Y | 35 | Y | 7.5 | N |
| 02-110-0004 3800 MENDENHALL LOOP ROAD | 79 | 3 | 18.1* | 4.2* | | 364 | 4 | 15.9 | 4.7 | X | 342 | 4 | 22.1 | 4.8 | | 19 | N | 4.5 | N |
| 02-170-0008 HARRISON COURT,SITE LOCATED AT END OF CUL-DE-SAC | | 0 | | * | | 347 | 4 | 17.5 | 4.1 | Y | 322 | 3 | 21.2* | 4.4* | Y | 19 | N | 4.2 | N |
| 02-170-0010 5310 Bodenburg Spur Rd | 269 | 3 | 16.4* | 3.4* | | | 0 | | * | | | 0 | | * | | 16 | N | 3.4 | N |

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
AIR QUALITY SYSTEM
PRELIMINARY DESIGN VALUE REPORT

Report Date: Jan. 14, 2025

CERTIFICATION EVALUATION AND CONCURRENCE FLAG MEANINGS

| FLAG | MEANING |
|------|---|
| M | The monitoring organization has revised data from this monitor since the most recent certification letter received from the state. |
| N | The certifying agency has submitted the certification letter and required summary reports, but the certifying agency and/or EPA has determined that issues regarding the quality of the ambient concentration data cannot be resolved due to data completeness, the lack of performed quality assurance checks or the results of uncertainty statistics shown in the AMP255 report or the certification and quality assurance report. |
| S | The certifying agency has submitted the certification letter and required summary reports. A value of "S" conveys no Regional assessment regarding data quality per se. This flag will remain until the Region provides an "N" or "Y" concurrence flag. |
| U | Uncertified. The certifying agency did not submit a required certification letter and summary reports for this monitor even though the due date has passed, or the state's certification letter specifically did not apply the certification to this monitor. |
| X | Certification is not required by 40 CFR 58.15 and no conditions apply to be the basis for assigning another flag value |
| Y | The certifying agency has submitted a certification letter, and EPA has no unresolved reservations about data quality (after reviewing the letter, the attached summary reports, the amount of quality assurance data submitted to AQS, the quality statistics, and the highest reported concentrations). |

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