**DIVISION 202**

**AMBIENT AIR QUALITY STANDARDS AND PSD
INCREMENTS**

 **340-202-0010**

**Definitions**

The definitions in OAR 340-200-0020 and this rule apply to this division. If the same term is defined in this rule and OAR 340-200-0020, the definition in this rule applies to this division.

( 1) "Ambient Air" means that portion of the atmosphere external to buildings, to which the general public has access.

(2) "Ambient Air Monitoring Site Criteria" means the general probe siting specifications as set forth in **Appendix E** of **40 CFR 58**.

(3) "Approved Method" means an analytical method for measuring air contaminant concentrations described or referenced in **40 CFR 50** and Appendices. These methods are approved by the Department of Environmental Quality.

(4) "Baseline Concentration" means:

(a) Except as provided in subsection (c), the ambient concentration level for sulfur dioxide and PM10 that existed in an area during the calendar year 1978. If no ambient air quality data is available in an area, the baseline concentration may be estimated using modeling based on actual emissions for 1978. Actual emission increases or decreases occurring before January 1, 1978 must be included in the baseline calculation, except that actual emission increases from any major source or major modification on which construction commenced after January 6, 1975 must not be included in the baseline calculation;

(b) The ambient concentration level for nitrogen oxides that existed in an area during the calendar year 1988.

(c) The ambient concentration level for PM2.5 that existed in an area during the calendar year 2007.

(d) For the area of northeastern Oregon within the boundaries of the Umatilla, Wallowa-Whitman, Ochoco, and Malheur National Forests, the ambient concentration level for PM10 that existed during the calendar year 1993. The Department allows the use of a prior time period if the Department determines that it is more representative of normal emissions.

 (5) "Indian Governing Body" means the governing body of any tribe, band, or group of Indians subject to the jurisdiction of the United States and recognized by the United States as possessing power of self-government.

(6) "Indian Reservation" means any federally recognized reservation established by Treaty, Agreement, Executive Order, or Act of Congress.

(7) "Oregon Standard Method" means any method of sampling and analyzing for an air contaminant approved by the Department. Oregon standard methods are kept on file by the Department.

(8) "PPM" means parts per million by volume. It is a dimensionless unit of measurement for gases that expresses the ratio of the volume of one component gas to the volume of the entire sample mixture of gases.

[**NOTE:** This rule is included in the State of Oregon Clean Air Act Implementation Plan as adopted by the Environmental Quality Commission under OAR 340-200-0040.]

[Publications: The publications referenced in this rule are available from the agency.]

Stat. Auth.: ORS 468A
Stats. Implemented: ORS 468A.025
Hist.: DEQ 37, f. 2-15-72, ef. 3-1-72; DEQ 18-1979, f. & ef. 6-22-79; DEQ 25-1981, f. & ef. 9-8-81; DEQ 8-1988, f. & cert. ef. 5-19-88 (corrected 9-30-88); DEQ 4-1993, f. & cert. ef. 3-10-93; DEQ 19-1993, f. & cert. ef. 11-4-93; Renumbered from 340-031-0105; DEQ 17-1995, f. & cert. ef. 7-12-95; DEQ 14-1999, f. & cert. ef. 10-14-99, Renumbered from 340-031-0005; DEQ 6-2001, f. 6-18-01, cert. ef. 7-1-01

**Ambient Air Quality Standards**

**340-202-0060**

**Suspended Particulate Matter**

Concentrations of the fraction of suspended particulate that is equal to or less than ten microns in aerodynamic diameter in ambient air as measured by an approved method must not exceed:

 (1) 150 micrograms of PM10 per cubic meter of air as a 24-hour average concentration for any calendar day. This standard is attained when the expected number of days per calendar year with a 24-hour average concentration above 150 micrograms per cubic meter as determined in accordance with **Appendix K of 40 CFR 50** is equal to or less than one at any site.

Concentrations of the fraction of suspended particulate that is equal to or less than 2.5 microns in aerodynamic diameter in ambient air as measured by an approved method must not exceed:

(2) 35 micrograms of PM2.5 per cubic meter of air as a 3-year average of annual 98th percentile 24-hour average values recorded at each monitoring site. This standard is attained when the 3-year average of annual 98th percentile 24-hour average concentrations is equal to or less than 35 micrograms per cubic meter as determined in accordance with **Appendix N of 40 CFR 50**.

(3) 15 micrograms of PM2.5  per cubic meter of air as a 3-year average of the annual arithmetic mean. This standard is attained when the annual arithmetic mean concentration is equal to or less than 15 micrograms per cubic meter as determined in accordance with **Appendix N of 40 CFR 50**.

[**NOTE:** This rule is included in the State of Oregon Clean Air Act Implementation Plan as adopted by the Environmental Quality Commission under OAR 340-200-0040.]

[Publications: The publication(s) referenced in this rule is available from the agency.]

Stat. Auth.: ORS 468 & ORS 468A
Stats. Implemented: ORS 468A.025
Hist.: DEQ 37, f. 2-15-72, ef. 3-1-72; DEQ 8-1988, f. & cert. ef. 5-19-88 (corrected 9-30-88); DEQ 24-1991, f. & cert. ef. 11-13-91; DEQ 4-1993, f. & cert. ef. 3-10-93; DEQ 14-1999, f. & cert. ef. 10-14-99, Renumbered from 340-031-0015; DEQ 6-2001, f. 6-18-01, cert. ef. 7-1-01

**Prevention of Significant Deterioration Increments**

**340-202-0210**

**Ambient Air Increments**

(1) This rule defines significant deterioration. In areas designated as Class I, II or III, emissions from new or modified sources must be limited such that increases in pollutant concentration over the baseline concentration must be limited to those set out in **Table 1**.

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| OAR 340-202-0210 Table 1MAXIMUM ALLOWABLE INCREASEMicrograms per cubic meter |
| **CLASS I** |
| *Pollutant* | *Micrograms per cubic meter*  |
| Particulate matter:[[1]](#footnote-1) PM2.5, Annual arithmetic mean1PM2.5, 24-hour maximum PM10, Annual arithmetic mean PM10, 24-hour maximum | 1248 |
| Sulfur dioxide:Annual arithmetic mean24-hour maximum 3-hour maximum  | 25 25  |
| Nitrogen dioxide:Annual arithmetic mean  |  2.5 |
| **Class II** |
| *Pollutant* | *Micrograms per cubic meter* |
| Particulate matter: 1PM2.5, Annual arithmetic mean1PM2.5, 24-hour maximum PM10, Annual arithmetic mean PM10, 24-hour maximum | 491730 |
| Sulfur dioxide: Annual arithmetic mean24-hour maximum 3-hour maximum  | 20 91512  |
| Nitrogen dioxide: Annual arithmetic mean  | 25  |
| **Class III** |
| *Pollutant* | *Micrograms per cubic meter* |
| Particulate matter: 1PM2.5, Annual arithmetic mean1PM2.5, 24-hour maximum PM10, Annual arithmetic mean PM10, 24-hour maximum | 8183460 |
| Sulfur dioxide: Annual arithmetic mean24-hour maximum 3-hour maximum  | 40182700  |
| Nitrogen dioxide: Annual arithmetic mean  | 50 |

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 (2) For any period other than an annual period, the applicable maximum allowable increase may be exceeded during one such period per year at any one location.

[**NOTE:** This rule is included in the State of Oregon Clean Air Act Implementation Plan as adopted by the Environmental Quality Commission under OAR 340-200-0040.]

Stat. Auth.: ORS 468 & ORS 468A
Stats. Implemented: ORS 468A.025
Hist.: DEQ 18-1979, f. & ef. 6-22-79; DEQ 8-1988, f. & cert. ef. 5-19-88 (corrected 9-30-88); DEQ 7-1992, f. & cert. ef. 3-30-92; DEQ 17-1995, f. & cert. ef. 7-12-95; DEQ 14-1999, f. & cert. ef. 10-14-99, Renumbered from 340-031-0110; DEQ 6-2001, f. 6-18-01, cert. ef. 7-1-01

1. PM2.5 Increments will become effective on **[INSERT DATE 1 YEAR AFTER DATE OF PUBLICATION THE FEDERAL REGISTER]**. [↑](#footnote-ref-1)