

**TITLE 252. DEPARTMENT OF ENVIRONMENTAL QUALITY  
CHAPTER 100. AIR POLLUTION CONTROL**

**SUBCHAPTER 3. AIR QUALITY STANDARDS AND INCREMENTS**

**252:100-3-4. Significant deterioration increments**

(a) Significant deterioration, as used in the phrase Prevention of Significant Deterioration (PSD), means an increase in ambient air pollution above a baseline plus a specific increment allowed for one of three classes of areas. See OAC 252:100-8, Part 7.

(b) The allowable increments are as follows:

(1) Class I Areas:

(A) ~~Particulate matter~~ PM<sub>2,5</sub> (effective October 20, 2011):

(i) annual arithmetic mean: maximum allowable increase is 1 microgram per cubic meter.

(ii) twenty-four hour maximum: maximum allowable increase is 2 micrograms per cubic meter.

(B) PM<sub>10</sub>:

(i) ~~PM-10~~, annual arithmetic mean: maximum allowable increase is 4 micrograms per cubic meter.

(ii) ~~PM-10~~, twenty-four hour maximum: maximum allowable increase is 8 micrograms per cubic meter.

~~(B)~~(C) Sulfur dioxide:

(i) annual arithmetic mean: maximum allowable increase is 2 micrograms per cubic meter.

(ii) twenty-four hour maximum: maximum allowable increase is 5 micrograms per cubic meter.

(iii) three-hour maximum: maximum allowable increase is 25 micrograms per cubic meter.

~~(C)~~(D) Nitrogen dioxide (effective May 11, 1991), annual arithmetic mean: maximum allowable increase is 2.5 micrograms per cubic meter.

(2) Class II Areas:

(A) ~~Particulate matter~~ PM<sub>2,5</sub> (effective October 20, 2011):

(i) annual arithmetic mean: maximum allowable increase is 4 micrograms per cubic meter.

(ii) twenty-four hour maximum: maximum allowable increase is 9 micrograms per cubic meter.

(B) PM<sub>10</sub>:

(i) ~~PM-10~~, annual arithmetic mean: maximum allowable increase is 17 micrograms per cubic meter.

(ii) ~~PM-10~~, twenty-four hour maximum: maximum allowable increase is 30 micrograms per cubic meter.

~~(B)~~(C) Sulfur dioxide:

(i) annual arithmetic mean: maximum allowable increase is 20 micrograms per cubic meter.

(ii) twenty-four hour maximum: maximum allowable increase is 91 micrograms per cubic meter.

- (iii) three-hour maximum: maximum allowable increase is 512 micrograms per cubic meter.
  - ~~(C)~~(D) Nitrogen dioxide (effective May 11, 1991), annual arithmetic mean: maximum allowable increase is 25 micrograms per cubic meter.
- (3) Class III Areas:
- (A) ~~Particulate matter~~ PM<sub>2,5</sub> (effective October 20, 2011):
    - (i) annual arithmetic mean: maximum allowable increase is 8 micrograms per cubic meter.
    - (ii) twenty-four hour maximum: maximum allowable increase is 18 micrograms per cubic meter.
  - (B) PM<sub>10</sub>:
    - (i) ~~PM-10~~, annual arithmetic mean: maximum allowable increase is 34 micrograms per cubic meter.
    - (ii) ~~PM-10~~, twenty-four hour maximum: maximum allowable increase is 60 micrograms per cubic meter.
  - ~~(B)~~(C) Sulfur dioxide:
    - (i) annual arithmetic mean: maximum allowable increase is 40 micrograms per cubic meter.
    - (ii) twenty-four hour maximum: maximum allowable increase is 182 micrograms per cubic meter.
    - (iii) three-hour maximum: maximum allowable increase is 700 micrograms per cubic meter.
  - ~~(C)~~(D) Nitrogen dioxide (effective May 11, 1991), annual arithmetic mean: maximum allowable increase is 50 micrograms per cubic meter.