

## **26.2 (455B) Episode criteria.**

*26.2(1) Evaluation.* Conditions justifying the proclamation of an air pollution alert, air pollution warning or air pollution emergency shall be deemed to exist whenever the commission or the executive director determines that the meteorological conditions are such that the accumulation of air contaminants in any place is reaching, or has reached, levels which could, if sustained or exceeded, lead to a substantial threat to the health of persons.

Air pollution forecast. Initial consideration of air pollution episode activities will be activated by receipt from the National Weather Service of an air pollution forecast. Receipt of such a forecast shall be the basis for activities such as, but not limited to, increased monitoring of the air contaminants in the area involved.

*26.2(2) Declaration.* In making determinations for the declaration of air pollution episode condition, the commission, or the executive director will be guided by the criteria stated in the following paragraphs.

*a. Air pollution alert.* An alert will be declared when any one of the following levels is reached at any monitoring site, and when meteorological conditions are such that the contaminant concentrations can be expected to remain at those levels for twelve or more hours, or increase, unless control actions are taken.

(1) Sulfur dioxide - 800 micrograms per cubic meter (0.3 ppm), 24-hour average.

(2) Fine particulate matter (PM-10) - 350 micrograms per cubic meter, 24 hour average.

(3) Carbon monoxide - 17 milligrams per cubic meter, (15 ppm) eight hour average.

(4) Oxidants (ozone) - 200 micrograms per cubic meter (0.1 ppm), one-hour average.

(5) Nitrogen dioxide - 1,130 micrograms per cubic meter (0.6 ppm), one-hour average, or 282 micrograms per cubic meter (0.15 ppm), 24-hour average.

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*b. Air pollution warning.* A warning will be declared when any one of the following levels is reached at any monitoring site and when meteorological conditions are such that the contaminant concentrations can be expected to remain at those levels for 12 or more hours or increase, unless control actions are taken.

(1) Sulfur dioxide - 1,600 micrograms per cubic meter (0.6 ppm), 24-hour average.

(2) Fine particulate matter (PM-10) - 420 micrograms per cubic meter, 24-hour average.

(3) Carbon monoxide - 34 milligrams per cubic meter (30 ppm), eight-hour average.

(4) Oxidants (ozone) - 800 micrograms per cubic meter (0.4 ppm), one-hour average.

(5) Nitrogen dioxide - 2,260 micrograms per cubic meter (1.2 ppm), one-hour average, or 565 micrograms per cubic meter (0.3 ppm), 24-hour average.

*c. Air pollution emergency.* An emergency will be declared when any one of the following levels is reached at any monitoring site, and when meteorological conditions are such that this condition can be expected to continue for 12 or more hours.

(1) Sulfur dioxide-2,100 micrograms per cubic meter (0.8 ppm), 24-hour average.

(2) Fine particulate matter (PM-10) - 500 micrograms per cubic meter, 24-hour average.

(3) Carbon monoxide - 46 milligrams per cubic meter (40 ppm), eight-hour average.

(4) Oxidants (ozone) - 1,200 micrograms per cubic meter (0.6 ppm), one-hour average.

(5) Nitrogen dioxide - 3,000 micrograms per cubic meter (1.6 ppm), one-hour average or 750 micrograms per cubic meter (0.4 ppm), 24-hour average.

*d. Termination.* Once declared, any status reached by application of these criteria will remain in effect until the criteria for that level are no longer met. As meteorological factors and air contaminants change, an appropriate change in episode level will be declared.

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EPA Rulemakings

CFR: 40 C.F.R. 52.820(b)  
FRM: 37 FR 10842 (5/31/72)  
PRM: none  
State Submission: 1/27/72  
State Proposal: unknown  
State Final: Effective 4/1/72  
APDB File: IA-00  
Description: This rule was approved as part of the original SIP.

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CFR: 40 C.F.R. 52.820(c) (43)  
FRM: 50 FR 37176 (9/12/85)  
PRM: 49 FR 45761 (11/20/84)  
State Submission: 7/18/84  
State Proposal: none  
State Final: 7/1/83  
APDB File: IA-19  
Description: Recodification of the regulations from Chapter 3 of the Iowa Department of Environmental Quality into Department 900, Title II, Chapters 20-39 of the Iowa Department of Water, Air and Waste Management (IDWAWM).

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CFR: 40 C.F.R. 52.820(c) (51) (i) (A)  
FRM: 54 FR 33536 (8/15/89)  
PRM: none  
State Submission: 10/28/88  
State Proposal: IAB 7/27/88 (ARC 9033)  
State Final: IAB 11/16/88 (ARC 9454) (Effective 12/21/88)  
APDB File: IA-27  
Description: Revised the SIP to include the PM<sub>10</sub> standards and definitions. It also redesignated areas of Iowa to unclassifiable with respect to particulate matter.

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CFR: 40 C.F.R. 52.820(c) (52) (i) (B)  
FRM: 55 FR 26690 (6/29/90)  
PRM: none  
State Submission: 5/7/90  
State Proposal: IAB 11/15/89 (ARC 412A)  
State Final: IAB 2/7/90 (ARC 658A) (Effective 3/14/90)  
APDB File: IA-32  
Description: This rulemaking recodified Chapters 20-29. It was Water, Air and Waste Management (900) and is now Environmental Protection Commission (567).

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Difference Between the State and EPA-Approved Regulation:

None, except for the state's use of "director" instead of "executive director."