

ILLINOIS POLLUTION CONTROL BOARD
October 4, 1979

IN THE MATTER OF:)
) R78-11
Fugitive Particulate Emissions from)
Industrial Sources (Proposed Revision)
of Rule 203(f) of Chapter 2))

ORDER OF THE BOARD (by Mr. Goodman):

The Board hereby adopts the following amendment to Rule 203(f) of Chapter 2.

FINAL ORDER

203(f) Fugitive Particulate Matter

- (1) No person shall cause or allow the emission of fugitive particulate matter from any process, including any material handling or storage activity, that is visible by an observer looking generally toward the zenith at a point beyond the property line of the emission source.
- (2) Except for those operations subject to Rule 203(d)(8) (Grain-Handling and Grain-Drying Operations), Rule 203(f)(3) shall apply to all mining operations (SIC major groups 10 through 14), manufacturing operations (SIC major groups 20 through 39), and electric generating operations (SIC group 491), which are located in the areas defined by the boundaries of the following townships, notwithstanding any political subdivisions contained therein, as the township boundaries were defined on October 1, 1979, in the following counties:

Cook: All townships

Lake: Shields, Waukegan, Warren

DuPage: Addison, Winfield, York

Will: DuPage, Plainfield, Lockport,
Channahon, Peotone, Florence,
Joliet

Peoria: Richwoods, Limestone, Hollis,
Peoria, City of Peoria

Tazewell: Fondulac, Pekin, Cincinnati,
Groveland, Washington

Macon: Decatur, Hickory Point

Rock Island: Blackhawk, Coal Valley, Hampton,
Moline, South Moline, Rock Island,
South Rock Island

LaSalle: LaSalle, Utica

Madison: Alton, Chouteau, Collinsville,
Edwardsville, Fort Russell,
Godfrey, Granite City, Nameoki,
Venice, Wood River

St. Clair: Canteen, Caseyville, Centerville,
St. Clair, Stites, Stookey, Sugar
Loaf, Millstadt.

(3) On and after December 31, 1982, potential sources of fugitive particulate matter shall be maintained and operated as follows:

(A) All storage piles of materials with uncontrolled emissions of fugitive particulate matter in excess of 50 tons/year which are located within a facility whose potential particulate emissions from all sources exceed 100 tons/year shall be protected by a cover or sprayed with a surfactant solution or water on a regular basis, as needed, or treated by an equivalent method, in accordance with the operating program required by Rule 203(f)(3)(F).

Exception: Subparagraph (A) of this Rule 203(f)(3) shall not apply to a specific storage pile if the owner or operator of that pile proves to the Agency that fugitive particulate emissions from that pile do not cross the property line either by direct wind action or reentrainment.

(B) All conveyor loading operations to stor-

age piles specified in Rule 203(f)(3)(A) shall utilize spray systems, telescopic chutes, stone ladders, or other equivalent methods in accordance with the operating program required by Rule 203(f)(3)(F).

- (C) All normal traffic pattern access areas surrounding storage piles specified in Rule 203(f)(3)(A) and all normal traffic pattern roads and parking facilities which are located on mining or manufacturing property shall be paved or treated with water, oils, or chemical dust suppressants. All paved areas shall be cleaned on a regular basis. All areas treated with water, oils, or chemical dust suppressants shall have the treatment applied on a regular basis, as needed, in accordance with the operating program required by Rule 203(f)(3)(F).
- (D) All unloading and transporting operations of materials collected by pollution control equipment shall be enclosed or shall utilize spraying, pelletizing, screw conveying, or other equivalent methods.
- (E) Crushers, grinding mills, screening operations, bucket elevators, conveyor transfer points, conveyors, bagging operations, storage bins, and fine product truck and railcar loading operations shall be sprayed with water or a surfactant solution, utilize choke-feeding, or be treated by an equivalent method in accordance with an operating program.

Exception: Subparagraph (E) of this Rule 203(f)(3) shall not apply to high-lines at steel mills.

- (F) The sources described in paragraphs (f)(3)(A) through (f)(3)(E) shall be operated under the provisions of an operating program prepared by the owner or operator and submitted to the Agency for its review by December 31, 1982. Such operating program shall be designed to significantly reduce fugitive particulate emissions.

As a minimum the operating program shall include the following:

1. the name and address of the facility;
2. the name and address of the owner or operator responsible for execution of the operating program;
3. a map or diagram of the facility showing approximate locations of storage piles, conveyor loading operations, normal traffic pattern access areas surrounding storage piles and all normal traffic patterns within the facility;
4. location of unloading and transporting operations with pollution control equipment;
5. a detailed description of the best management practices utilized to achieve compliance with Rule 203(f), including an engineering specification of particulate collection equipment, application systems for water, oil, chemicals, and dust suppressants utilized and equivalent methods utilized;
6. estimated frequency of application of dust suppressants by location of materials;
7. and such other information as may be necessary to facilitate the Agency's review of the operating program.

The operating program shall be amended from time to time by the owner or operator so that the operating program is current. Such amendments shall be consistent with this Rule 203(f) and shall be submitted to the Agency for its review.

- (4) If particulate collection equipment is operated pursuant to Rule 203(f)(3), emissions from such equipment shall not exceed 0.03 gr/dscf (0.07 grams per cubic meter).
- (5) Rule 203(f)(1) shall not apply and spraying pursuant to Rule 203(f)(3) shall not be required when the wind speed is greater than 25 miles per hour (40.2 kilometers per hour). Determination of wind speed for the purposes

of this rule shall be by a one-hour average or hourly recorded value at the nearest official station of the U.S. Weather Bureau or by wind speed instruments operated on the site. In cases where the duration of operations subject to this rule is less than one hour, wind speed may be averaged over the duration of the operations on the basis of on site wind speed instrument measurements.

- (6) No person shall cause or allow the operation of a vehicle of the second division as defined by Ill. Rev. Stat. ch. 95 1/2, §1-217, as revised, or a semi-trailer as defined by Ill. Rev. Stat. ch. 95 1/2, §1-187, as revised, without a covering sufficient to prevent the release of fugitive particulate matter into the atmosphere, provided that this paragraph (f)(6) shall not pertain to automotive exhaust emissions.

IT IS SO ORDERED.

Mr. Dumelle concurs.

Mr. Werner dissents.

I, Christan L. Moffett, Clerk of the Illinois Pollution Control Board, hereby certify the above Order was adopted on the 4th day of October, 1979 by a vote of 3-1.


Christan L. Moffett, Clerk
Illinois Pollution Control Board