

ILLINOIS POLLUTION CONTROL BOARD
August 3, 1978

IN THE MATTER OF:)
)
PROPOSED AMENDMENT OF THE) R76-16
NOISE REGULATIONS, RULE 209(f),)
BLASTING NOISE)

ORDER OF THE BOARD (by Mr. Goodman):

The Board hereby proposes to adopt the following amendment to Rule 209(f) of the Noise Regulations, Chapter 8 of the Board's Rules and Regulations. This proposed amendment shall be subject to a 60-day public comment period.

PROPOSED FINAL DRAFT ORDER


Rule 209: Compliance Dates for Part 2

(f) Every owner or operator of Class C land now or hereafter used as specified by SLUCM Codes 852 and 854 shall have three-years-from-the-effective-date-of-this-Chapter to and including January 1, 1980, to bring the sound from necessary explosive blasting activities in compliance with Rule 206, provided that such blasting activities are conducted between 8:00 a.m. and 5:00 p.m. local time, at specified hours previously announced to the local public, and that the following standard practices are employed:

1. Accurate drilling shall be maintained, and setbacks shall be used to determine burden on the following shot;
2. Drill patterns having optimum spacing-to-burden ratios shall be used;
3. Proper stemming height and stemming materials shall be used;
4. The use of uncovered explosives, such as detonating cord, shall be avoided;
5. A longer delay interval between rows than between holes in a row shall be used;

6. Long delays between holes shall be avoided to prevent unburdening holes;
7. The rate of blast progression along the face shall be kept subsonic, preferably less than 500 feet per second, to eliminate beam formation;
8. Weather conditions shall be considered, and blasting shall be avoided under inclement conditions or early in the morning or late in the afternoon when temperature inversions may be present;
9. The blast shall proceed in the proper sequence;
10. The maximum peak particle velocity of the ground motion in any plane shall not exceed 1 inch per second at the immediate location of any dwelling, public building, school, church, or commercial or institutional building; and
11. Airblast shall be controlled such that it does not exceed 128 decibels linear-peak for the surface mining of coal and for stone quarrying, as measured at any dwelling, public building, school, church, or commercial or institutional building.

I, Christan L. Moffett, Clerk of the Illinois Pollution Control Board, hereby certify the above Order was adopted on the 3RD day of August, 1978 by a vote of 5-0.



Christan L. Moffett, Clerk
Illinois Pollution Control Board