

ILLINOIS POLLUTION CONTROL BOARD
February 14 , 1975

IN THE MATTER OF)
PROPOSED AMBIENT AIR)
QUALITY STANDARDS FOR) R72-7
SULFUR DIOXIDE)

ORDER OF THE BOARD (by Mr. Dumelle):

The Illinois Pollution Control Board (Board) hereby proposes for final comment the following sulfur dioxide ambient air quality standard as an amendment to the Air Pollution Regulations.

Rule 308: Sulfur Oxide (Sulfur Dioxide)

(a) Primary Standards. The primary ambient air quality standards for sulfur oxides measured as sulfur dioxide are: (A) an annual arithmetic mean concentration of 80 micrograms per cubic meter (0.03 ppm); and (B) a maximum 24-hour concentration not to be exceeded more than once per year of 365 micrograms per cubic meter (0.14 ppm).

(b) Secondary Standard. The secondary ambient air quality standard for sulfur oxides measured as sulfur dioxide is a maximum 3-hour concentration not to be exceeded more than once per year of 1,300 micrograms per cubic meter (0.5 ppm).

(c) Measurement Period. For determining conformance with sulfur oxide air quality standards, sulfur oxides shall be measured as sulfur dioxide by the pararosaniline method as described in 40 CFR Part 50, National Primary and Secondary Ambient Air Quality Standards, Appendix A, or by an equivalent method of proof approved by the Agency.

This amendment was originally contained in the Board proposal for the adoption of air quality standards which was published in Newsletter #47 on May 8, 1972. The Board conducted hearings on June 15, 1972 in Chicago and June 16, 1972 in Granite City on the proposal. On May 3, 1973 the Board enacted the air quality standards with the exception of Rule 308: Sulfur Oxide which was again proposed for final comment. This modified proposal was published in Newsletter #65 on May 17, 1973. This modified proposal contained a tighter standard applicable in the Chicago and St. Louis major metropolitan areas. Since the original hearings on

the ambient air quality standards, R72-7, the Board has held exhaustive inquiry hearings on sulfur dioxide removal technology, R74-2. The Board hereby incorporates the following portions of the record produced in R74-2, which dealt with health aspects of sulfur dioxide, within the record of R72-7:

Testimony of Dr. John Finklea, R. 8 to 85,
Exhibits 1, 2 and 3;

Testimony of Gary Patzlaff, R. 114 to 178;

Testimony of F. Frazer Ross, R. 1746 to 1852;
Exhibits 79 through 87;

Testimony of Dr. Peter K. Mueller, R. 1852 to 1898;
Exhibit 88; and

Testimony of Dr. Bertram Carnow, R. 2061 to 2126;
Exhibits 96, 97, and 98.

The proposal in its present form is identical with the federal ambient air quality standards pertaining to sulfur dioxide which appear at 40 CFR Part 50.4 and 50.5. They differ from that published in Newsletter #65 in that the Board has decided to delete the proposed secondary annual ambient air quality standard and the alternate standards applicable in the Chicago and East St. Louis major metropolitan areas. The deletion of the secondary ambient air quality standard is consistent with the revision of 40 CFR Part 50.5 which revoked the federal secondary annual ambient air quality standard for sulfur dioxide (30 F.R. 178, pages 25678 through 81 (September 14, 1973)).

The public comment period on this proposed amendment to the Air Pollution Regulations shall extent until March 31, 1975. It is not anticipated at this time that additional hearings will be necessary prior to the adoption of this proposal.

IT IS SO ORDERED.

I, Christan L. Moffett, Clerk of the Illinois Pollution Control Board, hereby certify the above Order was adopted on the 14th day of February, 1975 by a vote of 4-0.


Christan L. Moffett, Clerk
Illinois Pollution Control Board