

ILLINOIS POLLUTION CONTROL BOARD

May 3, 1984

MEYER STEEL DRUM, INC.,)
)
) Petitioner,)
)
) v.) PCB 83-116
)
) ILLINOIS ENVIRONMENTAL PROTECTION)
) AGENCY,)
)
) Respondent.)

MR. MICHAEL J. KRALOVEC OF FEIWELL, GALPER & LASKY, LTD., APPEARED ON BEHALF OF MEYER STEEL DRUM, INC., KEELER AVE. PLANT.

MR. PETER ORLINSKY, ATTORNEY AT LAW, APPEARED ON BEHALF OF THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY.

OPINION AND ORDER OF THE BOARD (by B. Forcade):

This matter comes before the Board upon an August 22, 1983 petition for variance filed by Meyer Steel Drum, Inc., Keeler Ave. Plant ("Meyer") as amended on December 23, 1983. Meyer has requested a variance from Rule 104(h)(1), Rule 205(j)(1) and Rule 205(n)(1)(j) of Chapter 2: Air Pollution, to allow delayed compliance with the emission limitation for volatile organic compounds ("VOCs") discharged from its steel drum coating lines. Meyer's Keeler Avenue Plant is scheduled to cease operation by April 30, 1984. The entire operation will be moved to another Chicago location. Therefore, although variance has been requested until December 31, 1985, the only applicable period is from January 1, 1984, to April 30, 1984.

The recent codification of applicable rules to 35 Ill. Adm. Code is as follows:

<u>Rule</u>	<u>Section</u>
104 (h)(1)	215.212
205 (j)(1)	215.211 (a)
205 (n)(1)(j)	215.204 (j)

On January 31, 1984, the Illinois Environmental Protection Agency ("Agency") filed a recommendation that variance be granted. Hearing was held on February 6, 1984.

Section 215.204(j) requires that effective December 31, 1983, VOCs contained in the coatings utilized by Meyer for miscellaneous metal parts and products coatings, shall have the following upper limits:

exterior (extreme performance) coating	3.5 lb/gal
interior (clear) coating	4.3 lb/gal

Section 215.211(a) establishes the compliance date, and Section 215.212 requires Manufacturers to submit a compliance plan to the Agency.

Meyer owns and operates several facilities in Chicago. The facility which is the subject of this petition is located at 5303 South Keeler Avenue, Chicago, Illinois 60632. New steel drums are manufactured and several coatings are applied. The coatings are applied in spray booths to interior and exterior drum surfaces and dried in uncontrolled ovens. The drums are built to meet customer specifications and are used for storing and transporting foods, adhesives, oils and liquids. The Plant is located in an area which is industrial, commercial and residential.

ENVIRONMENTAL IMPACT

Meyer utilizes approximately twenty different types of coatings. The 1983 usage figures are as follows: (Am. Pet. p. 39)

<u>Emissions*</u>			
<u>Coating Type</u>	<u>Gallons Used</u>	<u>VOC Content</u>	<u>VOC Emissions</u>
Interior	2,765 gal/yr	5.05 lb/gal	13,963.3 lb/yr
Exterior	16,830 gal/yr	4.55 lb/gal	76,576.5 lb/yr
Total	19,595 gal/yr		90,539.8 lb/yr
	= 45.3 tons VOC/yr		

<u>Allowable Emissions</u>			
Interior	2,765 gal/yr	4.3 lb/gal	11,889.5 lb/yr
Exterior	16,830 gal/yr	3.5 lb/gal	58,905 lb/yr
Total	19,595 gal/yr		70,794.5 lb/yr
	= 35.4 tons VOC/yr		

* The figures submitted in the amended variance petition are estimates and have been rounded off. For purposes of comparison with the current and allowable emissions presented in this Opinion, the difference is only 0.10%.

Meyer's amended petition contains a compliance plan which involves a gradual reduction in the VOC content of various coatings over a two year period and reaches compliance levels through internal offsets. However, if the Keeler plant ceases operation on April 30, 1984, as scheduled, this would negate the necessity for a long term plan of action.

HARDSHIP

In formulating its Recommendation, the Agency met with Petitioner several times, spoke with various consulting engineers, and contacted coating manufacturers. In addition, on December 13, 1983, the Agency had a meeting with representatives of the United States Environmental Protection Agency ("USEPA") and the drum and barrel manufacturing industry. At that meeting, the USEPA expressed its opinion that currently there is no practical means of achieving compliance with interior coatings (Rec. p. 2).

For several years, Meyer has been working both internally and with its coating suppliers to develop the necessary technology to reduce VOC emissions. To date, the efforts have been partially successful, but have not produced great enough reductions to achieve compliance with Section 215.204(j) by December 31, 1983. Among the options studied by Meyer are: use of high solids, water-based, and powder coatings, electrostatic spray, installation of afterburners, and carbon adsorption. Some of the options were rejected because the resultant product was unacceptable, installation and maintenance costs were prohibitive, and space limitations prevented additional equipment from being installed (Pet. p. 9).

The internal offset plan proposed by Meyer would achieve compliance, minimize harmful environmental impact, and be cost effective, but would require until December, 1985, to complete. The Board finds that granting of variance will have minimum adverse environmental impact and that immediate compliance with Rules 215.212, 215.211 (a), and 215.204(j), would impose an arbitrary and unreasonable hardship.

This opinion constitutes the Board's findings of fact and conclusions of law in this matter.

ORDER

Meyer Steel Drum, Inc., Keeler Avenue Plant is hereby granted a variance from 35 Ill. Adm. Code 215.212, 215.211(a), and 215.204(j) subject to the following conditions:

1. The variance covers the period from January 1, 1984, to April 30, 1984.
2. The variance applies only to the Keeler Avenue facility.

- 3. Within 45 days of the date of this Order, Meyer Steel Drum, Inc., Keeler Avenue Plant shall execute a Certification of Acceptance and Agreement to be bound to all terms and conditions of this variance. Said Certification shall be submitted to the Agency at 2200 Churchill Road, Springfield, Illinois 62706. The 45-day period shall be held in abeyance during any period that this matter is being appealed. The form of said Certification shall be as follows:

CERTIFICATION

I, (We) _____, having read the Order of the Illinois Pollution Control Board in PCB 83-116 dated April 19, 1984, understand and accept said Order, realizing that such acceptance renders all terms and conditions thereto binding and enforceable.

Petitioner

By: Authorized Agent

Title

Date

IT IS SO ORDERED.

I, Christan L. Moffett, Clerk of the Illinois Pollution Control Board, hereby certify that the above Opinion and Order was adopted on the 3rd day of May, 1984 by a vote of 6-0.

Christan L. Moffett
Christan L. Moffett, Clerk
Illinois Pollution Control Board