

ILLINOIS POLLUTION CONTROL BOARD
May 18, 1984

ALLIED HASTINGS BARREL)
& DRUM SERVICE, INC.,)
)
Petitioner,)
)
v.) PCB 83-119
)
ENVIRONMENTAL PROTECTION AGENCY,)
)
Respondent.)

MR. ANTHONY J. VENTRELLA, ATTORNEY AT LAW, APPEARED FOR THE
PETITIONER;

MR. PETER E. ORLINSKY, ATTORNEY AT LAW, APPEARED FOR THE
RESPONDENT.

OPINION AND ORDER OF THE BOARD (by J. D. Dumelle)

This matter comes to the Board on an August 22, 1983
Petition for Variance and January 5, 1984 Amended Petition for
Variance filed by Allied Hastings Barrel and Drum Service, Inc.
(Allied). No objections were received and no members of the
public testified at the March 2, 1984 public hearing in Chicago.
The Illinois Environmental Protection Agency (Agency) filed a
recommendation on February 4, 1984 that variance be granted
subject to certain conditions.

Allied owns and operates a facility located in the Chicago
Metropolitan Area, within Air Quality Control Region 67, at 915
West 37th Street, Chicago. Allied produces reconditioned steel
drums to which coatings are applied as an integral part of the
manufacture. The facility employs approximately 45 people and is
located in an industrial, commercial and residential area. The
facility reconditions both open head and tight head drums. Open
head drum reconditioning involves removal of paint and residue by
burning, shotblast cleaning, and painting. Tight head drum
reconditioning involves removal of residue by washing and
painting. The painting process utilizes spray booths and
uncontrolled drying ovens. The refurbished drums are used for
storage of insecticides, fungicides, flammable liquids, poisons,
food products, and other materials (Pet. ¶ 1, Rec. ¶ 3).

Allied claims that it is unable to comply with the Volatile Organic Compound (VOC) limitations of 35 Ill. Adm. Code 215.204 (j), which became effective December 31, 1983. Allied requests a variance from those limitations, and ancillary regulations, until December 31, 1985.¹ The regulations from which variance is requested are as follows:

<u>Current</u> <u>35 Ill. Adm. Code</u>	<u>Old</u> <u>Chapter 2</u>	<u>Substance</u>
215.204(j)	Rule 205(N)(1)(j)	Sets maximum VOC content of coatings
215 Appendix C ²	Rule 104(h)(1)	Requires Compliance Plan
215.211	Rule 205(j)(1)	Compliance Date of December 31, 1983

Section 215.204(j) sets limits on the VOC content of coatings used by Allied as follows:

exterior (extreme performance) coatings	3.5 lbs VOC/gal
interior (clear) coatings	4.3 lbs VOC/gal

Allied utilizes over 20 different types of coatings. In 1983, Allied used 20,725 gallons of exterior coatings with an average VOC content of 4.26 lbs/gal and 3425 gallons of interior coatings with an average VOC content of 5.08 lbs/gal (Rec. ¶ 5). Thus, Allied's present operations are not in compliance.

Allied proposes to achieve ultimate compliance by reformulation of coatings. It is likely that Allied's coatings vendors will achieve reductions in the VOC content of acceptable exterior coatings to levels below compliance with the regulatory limits before reductions in VOC content of acceptable interior coatings to achieve compliance with the regulatory limits. Therefore, Allied proposes to reduce the VOC content of the exterior coatings

¹ Allied's original petition and the Agency recommendation request variance until December, 1985. Allied's Amended Petition requests variance until December, 1983. The Board presumes the December 1983 date is a typographical error, since the rules first became effective on that date.

² Although Allied requested the Variance from Section 215, Appendix C, the applicable Section for Compliance Plans is 215.212.

to levels below the regulatory requirement of 3.5 lbs/gal by the end of the variance period and ultimately achieve full compliance by internal offsets. Allied anticipates the following coatings usage and VOC emissions (Am. Pet. p. 25) during the Variance period:

<u>1984</u>	<u>Units</u>	<u>Gallons Coating</u>	<u>VOC Content</u>	<u>VOC Emissions</u>
Exterior	306,000	21,550	4.13 lbs/gal	89,000
Interior	52,000	3,635	5.08 lbs/gal	<u>18,290</u>
			Total	107,290
<u>1985</u>				
Exterior	318,000	20,000	3.7 lbs/gal	74,000
Interior	59,000	4,105	5.0 lbs/gal	<u>20,530</u>
			Total	94,530

Allied has evaluated coatings in the past that have lower VOC content (R. 11-13, Am. Pet. pp. 39-58) and intends to continue such efforts.

Allied has evaluated other potential methods of compliance including fume incineration, carbon adsorption, condensation, electrostatic painting and afterburners (Am. Pet. pp. 26-38). Allied claims each of these options is unworkable due to extremely high costs, technological problems, or lack of space. Coating reformulation is the only practical solution.

Based upon the relatively low level of total VOC emissions (about 50 tons per year), the lack of complaints from area residents, the Agency's belief that the granting of variance "should not cause any increased health effects," and the fact that Allied must comply with its ozone episode action plan, the Board finds that the adverse environmental impact of the granting of variance should be minimal (see Rec. ¶¶ 13-15). The Board, therefore, finds that immediate compliance with Sections 215.212, 215.211, and 215.204(j) would impose an arbitrary and unreasonable hardship on Allied. The Board will impose as conditions of this variance Allied's estimated VOC content and reporting and permit conditions requested by the Agency.

This Opinion constitutes the Board's findings of facts and conclusions of law in this matter.

ORDER

Allied Hastings Barrel and Drum Service, Inc., is hereby granted a variance from 35 Ill. Adm. Code 215.211, 215.212, and 215.204(j), subject to the following conditions:

1. This variance will expire on December 31, 1985.
2. During the term of this variance the annual average coatings VOC content shall not exceed the following:

	<u>1984</u>	<u>1985</u>
Exterior	4.13 lbs/gal	3.7 lbs/gal
Interior	5.08 lbs/gal	5.0 lbs/gal

3. Within 45 days of the Board's final Order herein, and every third month thereafter, Allied shall submit written reports to the Agency detailing all progress made in achieving compliance with Section 215.204(j). Said reports shall include information on the names of replacement coating and the manufacturers specifications including per cent solids by volume and weight, per cent VOC by volume and weight, per cent water by volume and weight, density of coating, and recommended operating parameters; detailed description of each test conducted including test protocol, number of runs, and complete original test results; the quantities and VOC content of all coatings utilized during the reporting period; the quantity of VOC reduction during the reporting period; and any other information which may be requested by the Agency. The reports shall be sent to the following addresses:

Environmental Protection Agency
 Division of Air Pollution Control
 Control Programs Coordinator
 2200 Churchill Road
 Springfield, IL 62706

Environmental Protection Agency
 Division of Air Pollution Control
 Region 1, Field Operations Section
 1701 South First Avenue
 Suite 600
 Maywood, IL 60153

4. Within 45 days of the Board's final Order herein, Allied shall apply to the Agency for all requisite operating permits pursuant to Section 201.160(a).
5. Within 45 days of the Board's final Order herein, Allied shall execute a Certification of Acceptance and Agreement to be bound to all terms and conditions of the variance. Said Certification shall be submitted to both the Agency at the addresses specified in paragraph 4. The 45 day period shall be held in abeyance during any period that this matter is being appealed.

I, (We) _____, having read the Order of the Illinois Pollution Control Board in PCB 83-119 dated May 18, 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.

Board Member Bill Forcade concurred.

I, Christan L. Moffett, Clerk of the Illinois Pollution Control Board, hereby certify that the above Opinion and Order was adopted on the 18th day of May, 1984 by a vote of 6-0.



Christan L. Moffett, Clerk
Illinois Pollution Control Board