

ILLINOIS POLLUTION CONTROL BOARD  
February 28, 1974

LITHO-STRIP COMPANY, DIVISION OF )  
AMSTED, )  
 )  
Petitioner, )  
 )  
vs. ) PCB 73-511  
 )  
ENVIRONMENTAL PROTECTION AGENCY, )  
 )  
Respondent. )

Sheldon A. Zabel, Attorney, on behalf of Petitioner;  
Kathryn S. Nesburg, Attorney, on behalf of Respondent.

OPINION AND ORDER OF THE BOARD (by Mr. Seaman):

On December 6, 1973, Litho-Strip Company filed its Petition, seeking therein variance until April 1, 1974, from the provisions of Rule 205(f) of the Air Pollution Regulations.

Petitioner owns and operates a facility at 7247 South 78th Avenue, in Bridgeview, County of Cook, Illinois, where it operates equipment for, among other things, the coating of metal. Petitioner's operation consists of the cleaning of continuous roll strip steel, the application of paint by roller coating, curing the paint in bake ovens, re-rolling and shipping to customers.

The Petition relates to the equipment designated by Petitioner as Curing Oven 1 and Curing Oven 2. These ovens are now served by a single stack.

Curing Oven 1 has a maximum production rate of 432 lbs/hr, composed of 194 pounds of solids and 238 pounds of blends of non-photochemically reactive solvents, consisting of M.E.K., M.I.B.K., Butyl Cellusolve, and Solvesso 150. The estimated average aggregate production is 173 lbs/hr, of which 95 lbs/hr is solvent.

Curing Oven 2 has a maximum production rate of 648 lbs/hr, composed of 291 pounds of solids and 357 pounds of solvents

presumed to be photochemically reactive. The estimated average aggregate production is 259 lbs/hr, of which 143 lbs/hr is solvent.

Petitioner calculates that the maximum hydrocarbon emissions from Curing Ovens 1 and 2 are 207.1 lbs/hr and 310.6 lbs/hr respectively. The Agency calculates the average emissions to be: Curing Oven 1 - 96.8 lbs/hr of hydrocarbons and 21.4 lbs/hr of particulate; Curing Oven 2 - 145 lbs/hr of hydrocarbons and 32.1 lbs/hr of particulates. The particulates involved are condensibles and are not subject to 3.111 or Rule 203.

On November 9, 1972, Petitioner applied to the Agency for a permit for the subject equipment. Since the emissions exceeded the standards of Rule 205(f), Petitioner included in its application a Project Completion Schedule which indicated that Petitioner would modify the stack serving Curing Ovens 1 and 2 and would install new afterburners on each of the ovens by November 26, 1973.

Petitioner alleges that it was delayed in its installation of control equipment because the changing state of the art and changes in state regulations made many manufacturers of incinerators reluctant to quote prices. Petitioner allegedly contacted five vendors for quotations on fume incinerator systems. Evaluation and studies continued until April 18, 1973, when a contract was signed with Air Preheater, Inc. of Wellsville, New York.

Additional time was required to design an integrated system which includes oven exhaust, afterburners and multi-use heat recovery system. All appropriations were approved on July 23, 1973. Petitioner alleges that due to the failure of material and equipment suppliers to meet delivery schedules and the resultant inability of the contractors to complete the modification of the existing equipment, the installation of the new control equipment cannot be expected before March, 1974.

The estimated total cost of the program is \$300,000. The proposed control equipment efficiency based on Air Preheater's laboratory tests is 95% to 99%. The Agency feels that Rule 205(f) should be met by the proposed equipment, since 85% efficiency is needed to achieve compliance. The Agency granted a construction permit on October 3, 1973.

Petitioner's facility is located in an industrial area with railroad switch yards located to the north and east. To the west are apartments and scattered homes, with the nearest being 100 feet to the west of the facility. People

living in the area were contacted by the Agency and some indicated that emissions or odors from Petitioner's plant did not bother them in any way. Others indicated that they would be happy to see air pollution control equipment installed within the time stated in the Petition.

The Agency is of the opinion that Petitioner has been acting in good faith and that the time schedule for compliance is reasonable. Incineration is a suitable solution to Petitioner's problem and an allotment for gas has been obtained. Petitioner will be granted variance from Rule 205(f) until April 1, 1974.

This Opinion constitutes the findings of fact and conclusions of law of the Board.

IT IS THE ORDER of the Pollution Control Board that Litho-Strip Company be granted a variance from the provisions of Rule 205(f) of the Air Pollution Control Regulations until April 1, 1974. Upon completion of the subject control system, Petitioner shall notify:

Illinois Environmental Protection Agency  
Division of Air Pollution Control  
2200 Churchill Road  
Springfield, Illinois 62706

I, Christan L. Moffett, Clerk of the Illinois Pollution Control Board, certify that the above Opinion and Order was adopted on this 28<sup>th</sup> day of February, 1974 by a vote of 5-0.

