ILLINOIS POLLUTION CONTROL BOARD

May 16, 1974

SEAWAY BUILDING PRODUCTS, Petitioner, vs. ENVIRONMENTAL PROTECTION AGENCY, Respondent.	)	PCB 73-565

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

On December 28, 1973, Seaway Building Products Co., Inc. filed its Petition for Variance, seeking therein variance from the provisions of Rule 205(f) of the Air Pollution Regulations for a period of one year.

Petitioner operates a facility located at 2638 East 126th Street, Chicago, Illinois. At this facility, Petitioner manufactures residential siding from aluminum and steel coils. The metal is first coated with a primer. It is then coated with one of two protective coatings - Water Reducible Acrylic Latex Coating or Plastisol (PVC) Coating. These coatings are applied to the base metal by the use of a continuous coil coating line. The coated metal is then sized and roll formed into residential siding panels.

Petitioner states that estimated concentration of solvents in the exhaust stream are as follows:

Latex:

Water	7782	P.P.M.
Mineral Spirits	2.6	P.P.M.
Hexylene Glycol	142	P.P.M.
Propylene Glycol	142	P.P.M.
Formaldehyde	5.5	P.P.M.

Plastisol:

Odorless Mineral Spirits	397	P.P.M.
Mineral Spirits, High Flash	26	P.P.M.
Aromatic Naphtha 150 Flash	9.5	P.P.M.
Butyl Carbitol Acetate	76	P.P.M.

Petitioner uses approximately 60 lbs/hour of primer coating. Stack tests indicate emissions of photochemically reactive hydrocarbons at a rate of 9.89 lbs/hour. Petitioner uses approximately 350 lbs/hour of Water Reducible Acrylic Latex and 400 lbs/hour of Plastisol (PVC) for finish coating. Stack tests indicate emissions of photochemically reactive hydrocarbons at a rate of 10.48 lbs/hour.

Petitioner is seeking a one year variance while it converts coating formulations to utilize available exempt solvents. Petitioner alleges hardship in obtaining supplies of non-photochemically reactive solvents, due to current petrochemical shortages.

The Agency has received several citizen complaints concerning paint odors in the vicinity of Petitioner's facility. The Agency is of the opinion, however, that the odors are emitted from the adjoining Ford Motor Company assembly plant which emits in excess of 1,000 lbs/hour of solvents from its spray painting operation.

The Agency recommends that this variance be granted.

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

IT IS THE ORDER of the Pollution Control Board that Seaway Building Products Co., Inc. be granted a Variance from the provisions of Rule 205(f) of the Air Pollution Regulations for a period of one year from the date of this Order, subject to the following conditions:

a. Petitioner shall continue to use non-photochemically reactive solvents whenever possible.

b. Within 6 months, Petitioner shall submit to the Agency a modified Compliance Plan to replace that which has been nullified by shortages. This plan may:

1. Achieve compliance at the expiration of the Variance by replacement of photochemically reactive solvents with non-reactive solvents demonstrated to be not in short supply; or

2. Achieve compliance at the expiration of the Variance by qualification under the Alternative Standard of Rule 205(f)(1); or

3. Achieve compliance by May 30, 1975 under the provisions of Rule 205(f)(2)(D).

c. Within 6 months, Petitioner shall apply for all Agency permits for this facility.

d. Within 30 days of this Order and for every quarterly period thereafter, Petitioner shall submit a report to the Agency enumerating the volume of non-exempt coatings used during the period, and documenting good-faith attempts to procure exempt coatings. Such reports shall be sent to:

Environmental Protection Agency
Division of Air Pollution Control
Control Program Coordinator
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 16th day of May, 1974 by a vote of 5-0.

Christan L. Moffett