

ILLINOIS POLLUTION CONTROL BOARD

August 29, 1974

SHERWIN-WILLIAMS COMPANY,                     )  
    Petitioner,                                 )  
  )  
    v.   )         PCB 74-212  
  )  
ENVIRONMENTAL PROTECTION AGENCY,)         )  
    Respondent.                                 )

OPINION AND ORDER OF THE BOARD (by Dr. Odell)

On June 6, 1974, Sherwin-Williams Company, located in a farming area at 1717 Gifford Road in Elgin, Illinois, filed a Petition for Variance with the Pollution Control Board (Board). Petitioner sought a one-year variance from the requirements of Rule 205(f) of the Air Pollution Regulations (Chapter 2). Allowable emissions under Rule 205(f) are 8 lbs/hr.; Sherwin-Williams calculated that its total emissions of photochemically reactive organic compounds from its four lines are approximately 53.5 lbs/hr. Petitioner's facility employs 300 people and is engaged in the manufacture and coating of metal containers of various sizes. The excessive emissions occur in its container coating and lithography operations.

Petitioner received an operating permit from the Environmental Protection Agency (Agency) on April 3, 1973, conditional on its installing an afterburner to control emissions to comply with Rule 205(f) of Chapter 2. The subsequent shortage of natural gas and fuel oil meant that the afterburner would not be a viable control technique. Petitioner received a new operating permit on March 4, 1974, with compliance achieved through the use of reformulated coatings containing exempt solvents. At present, exempt solvents are in short supply. Petitioner now intends to switch to water-based coatings but, before the change-over, Petitioner will exceed the standards of Rule 205(f) of Chapter 2. Petitioner ultimately hopes to install emission-free ultraviolet curing equipment. One such unit is expected to be installed on an experimental basis by August 1, 1974. The one-year variance request was premised on a need to check-out the ultraviolet curing system. Conversion to the water-based coatings was anticipated to be achieved by July 31, 1974.

The Agency filed its Recommendation on August 5, 1974, and concluded that "Petitioner's Compliance Program will meet the requirements of Rule 205(f) in three months through the use of water-based coatings." The Agency stated it had no objection to the grant of variance; it also noted that no citizens had complained about the nature of Petitioner's operation.

Petitioner's history shows good faith efforts to achieve compliance with Rule 205(f). A program of compliance is underway. The shortage of exempt solvents exists throughout the industry. For these reasons, we grant the Variance.

ORDER

Petitioner is granted a variance from Rule 205(f) of Chapter 2 until November 1, 1974, to use photochemically reactive solvents in its manufacturing process totaling 53.5 lbs/hr. on lines #1 through #4. This Variance is subject to the following conditions:

- a. Petitioner shall utilize as much exempt solvent formulations as can be furnished by its suppliers.
- b. Petitioner shall use water-based coatings as soon as possible before November 1, 1974.
- c. Petitioner shall submit reports for August, September and October to:

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

and to the

Illinois Pollution Control Board  
309 West Washington Street, Suite 300  
Chicago, Illinois 60606

The monthly reports shall indicate the performance of the new ultraviolet curing system. The monthly reports should also include the total amount of solvents used, the nature and amount of non-exempt solvents used, the nature and amount of exempt solvents used, the nature and amount of water-based coatings used, the amount and nature of exempt solvents purchased (indicating the supplier), the amount and nature of non-exempt solvents purchased (indicating the supplier), the amount and nature of water-based coatings purchased (indicating the supplier), and the amount and nature of solvents and coatings in inventory at the beginning of each month.

- d. Petitioner shall make timely applications for all necessary construction and operating permits.

I, Christan L. Moffett, Clerk of the Illinois Pollution Control Board, hereby certify that the above Opinion and Order was adopted on the 29<sup>th</sup> day of August, 1974, by a vote of 5 to 0.

  
Christan L. Moffett