

ILLINOIS POLLUTION CONTROL BOARD  
May 3, 1973

MATTISON MACHINE WORKS, )  
 )  
 ) Petitioner, )  
 )  
 ) V. ) PCB 73-66  
 )  
 ) ENVIRONMENTAL PROTECTION AGENCY, )  
 )  
 ) Respondent. )

Mark E. MacDonald on behalf of Petitioner;  
Nicholas G. Doxoryst, II, Assistant Attorney General, on behalf  
of Environmental Protection Agency.

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

Petitioner operates a grey iron foundry located in Rockford, Winnebago County, Illinois. Petitioner requests modification of orders by the Pollution Control Board in PCB 71-227, 71-330 and 72-338, which required, inter alia, that Petitioner obtain a stack test on its baghouse, attached to its cupola, by an independent testing service. The order also required Petitioner to file a bond in the amount of \$160,000 to ensure compliance with the Board's order. Petitioner requests that the Board waive the stack test requirement and that the bond posted by Petitioner be returned indicating compliance with the Board order.

Installation of the baghouse and completion of the entire cupola emission control system was completed in December, 1972. Mattison alleges in its petition that there is no physical method which could be employed for testing the efficiency of the system installed. By definition and specific design, the Mattison baghouse has no stack or specific emission point.

Accordingly, it is alleged, no sample can be taken without interfering with the operation of the system itself. The Mattison baghouse system is designed for particulate removal in excess of 99.9 percent and no plume or other visible emission of any type is produced by the system.

The Agency reports in its Recommendation that one of its investigators observed the baghouse in operation, that the emissions from the baghouse were negligible, and that the baghouse seemed to be operating efficiently.

Emissions from the cupola with and without the baghouse as calculated by the Agency using Compilation of Air Pollutant Emission Factors, AP-42, Table 7-10, are as follows:

	<u>Particulates</u>
Uncontrolled	144.5 lb/hr
With Baghouse	1.7 lb/hr
Allowable	8.7 lb/hr

The Agency further reports that testing of the baghouse would be difficult.

It is the decision of this Board that insistence upon the stack test requirement in this circumstance would impose an unnecessary hardship.

IT IS THE ORDER of the Pollution Control Board that the stack test requirement be waived and that the bond posted be returned to Petitioner.

I, Christan L. Moffett, Clerk of the Illinois Pollution Control Board, certify that the above Opinion and Order was adopted by the Board on the 3<sup>RD</sup> day of May, 1973, by a vote of 4 to 0.

Christan L. Moffett