

DECEMBER 20, 1950

James H. Fluker, Superintendent
Division of Safety and Hygiene
Columbus, Ohio

In re: R. L. Kramig and Company
222 E. 14th Street
Cincinnati 7, Ohio

PLAINTIFF'S
EXHIBIT

REK-9

SURVEY OF DUST HAZARDS AT ASBESTOS AND PAPER SPECIALTIES PLANT

1. The writer visited the asbestos and paper specialties plant of this company at Dana and Floral Streets, Norwood, Cincinnati, Ohio, to check conditions under which their employees work. The writer had been informed that the company was operating under Manual 4058 which covers the manufacture of electric porcelain.
2. Contact was made with R. L. Kramig, President.
3. The company manufactures tubular asbestos and paper specialties.
4. The company purchases kraft paper or asbestos in rolls. This material is wrapped on molds to form the shape desired. Each layer of paper or asbestos is cemented to the under-layer. The mold is then removed from the unit. It may then be impregnated with a plastic, or it may be left in its original condition. In any event, it is passed through a drier to remove the volatiles in the adhesive.

The dust produced in cutting these units to specified shapes will be either paper or asbestos fiber.

5. The company has installed an exhaust system to remove the dust. Exhaust connections are attached to all buffers and saws with the exception of one. This unit has been installed recently. At times the company saws these tubular units lengthwise on a carborundum saw which discharges considerable dust to the atmosphere. At the time the writer was present, the dust in the section where a man was cutting some tubular units lengthwise appeared to be from 15 million to 20 million particles of dust per cubic foot of air. This dust would contain from 60% to 75% asbestos. This is very much in excess of good operating procedure. Other units produce some dust which appeared to be in excess of good operating conditions also.
6. The man operating the saw at which the bad conditions showed up was wearing a handkerchief over his face. The writer was told that the company furnished respirators but that the employee would not wear one. On examination of the type of respirator furnished, it was found that it was of the heavy double filter type. The writer has advised the company that there are other respirators on the market, approved by the Bureau of Mines, for this type of work which are very much lighter and which the employees will wear.

7. It is recommended:

- A. That the company purchase respirators which their employees will wear pending an adjustment of the exhaust system now in service;
- B. That the company reconstruct the exhaust system so that it will take away the excess dust as it is formed;
- C. That the Division of Safety and Hygiene be notified when this is accomplished so that a check can be made regarding the conditions under which the employees work.

Respectfully submitted,

LESTER M. MERRITT
INDUSTRIAL HYGIENE ENGINEER.

DMH:fai