FORM 3162 PRINTED IN U.S.A.

PITTSBURGH CORNING CORPORATION

INTER-OFFICE CORRESPONDENCE

W. F. Yellig — From J. L. Hyde

Subject: Trip Report: Trip to Tyler, Texas & Return May 7, 1969 to May 9, 1969 — Date May 13, 1969

Objective of Trip:

To review the dust collection system, assess dust collector capacities, and determine the practicability of implementing stop gap measures for improving dust protection.

I Review of Dust Collector System

Doctor Morton Corn and I visited the Tyler, Texas UNIBESTOS manufacturing facilities on May 8, 1969. Hood velocities and duct velocity pressures were taken and recorded in order to determine the operating level of the present dust collectors. Approximately eight air samples were taken to spot check dust levels within the plant. Doctor Corn will incorporate the aforementioned information in his report, as well as, the Polaroid pictures taken of the ducts, dust collectors, etc.

II Dust Collector Capacities

On a qualititive basis (Doctor Corn has all data), the dust collection system appears to be inadequate for the present operation. Capture velocities were not reached at the majority of the hoods (exception: scrap grinder) and there was build up in one of the horizontal ducts indicating that carrying velocities were too low. The air samples were scheduled for ten minutes each but, several samples were cut short at five minutes due to the visible collection of dust on the filter paper.

III Stop Gap Measures

Two possible avenues are open for stop gap measures: (1) Reduce manufacturing (dust) load and (2) increase dust collector capacity. Attached, for your review, is a listing of several alternatives that will aid the dust problem at Tyler. Note, that only one alternative can be considered a "stop gap" measure, and I believe its probability of success is somewhat limited, and obviously (1) above cannot be considered.

John Hyde

PLAINTIFF'S EXHIBIT 04879.00

JLH/pm
ATTACHMENT
cc: E. W. Holman
C. E. van Horn
B. M. Stout

PLAINTIFF'S EXHIBIT WR-009794

000780

Subject: Dust Control, Tyler

Outlined below are three alternative courses of action that can be followed in order to improve dust collection at Tyler. Regardless if any (or none) of the courses are accepted, personnel should be required to wear respirators immediately.

I Utilization of Present Equipment (Stop Gap)
- 1.1 Ascertain capability (CFM) of present equipment. This figure can be based on Pitot tube readings taken May 8, 1969 and Manufacturers' specifications.
- 1.2 Establish capacity requirements, based on the present and any required additional hoods.
- 1.3 Evaluate the possibility of increasing blower capacity to bring the system nearer to required capacity. (Air - cloth ratio is certain to increase greatly).

Toward this end, Mr. van Horn has been requested on May 8, 1969 to supply Central Engineering with an up to date layout of the Tyler facility. The serial numbers of the blowers have been recorded and will be forwarded to the manufacturers so that specifications can be obtained. However, it must be mentioned that the recorded hood entry velocities were extremely low with the present equipment operating at supposedly near peak capacity. Therefore, it would appear that a massive increase in capacity would be required to pull enough air to be meaningful.

II Utilization of Present Equipment
- 1.1 Ascertain capacity of present equipment.
- 1.2 Establish capacity requirements based on required hoods.
- 1.3 Design hoods and duct system for optimum dust control.
- 1.4 Purchase new equipment to make up requirements not covered by the present equipment.

III New Plant Design
- 1.1 Determine air requirements for the proposed new plant.
- 1.2 Determine where or if the present dust collection equipment can be utilized.
- 1.3 Purchase any new equipment and install at the present site until ready for use in the new plant.

JLH/pm