

FILE NAME: Kent (KNT)

DATE: 1953

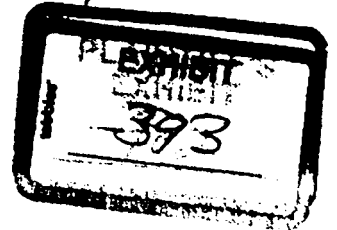
DOC#: KNT009

DOCUMENT DESCRIPTION: Memos RE H. & V. Specialties Co., West Groton

3-170

Main file

3-170



April 21, 1953

To: Mr. Kelly
From: Dr. Elkins
Subject: H. & V. Specialties Co., West Groton

Herewith are three copies of a report by our engineers, Mr. Elise Compton, and Mr. Harold Savley, on their visit to the above company on April 16.

You will note that some progress has been made in carrying out our recommendations relative to dust control. As you know, it is preferable that air which contains a toxic dust or fume should be exhausted to the outdoors since recirculation through a dust collector may produce a hazard, especially if the collector becomes over loaded or breaks down. In this plant, however, it appears that for technical reasons it would be difficult to avoid recirculation of the air. Every effort should be taken, therefore, to make sure that the dust collection system is adequate and as fool proof as possible.

We will plan to check this plant again sometime during the summer.

Inasmuch as this was a matter initiated by your Division, no copy of the report is being sent by us to the employer.

HEE:VO:G
ENCLOSURES

*3cc:dis.
1cc:encls.*

agreed that a representative from the Turner & Haven Co. should contact us prior to making the final installation. He further agreed to notify this office when the installation has been completed so that air tests can be made in the carding and picking operations.

ENC/jah

Supplementary

A revisit in June is suggested.

Main file 3-17c

April 17, 1953

To: Dr. Elkins
From: Mr. Compton and Mr. Bayley
Subject: E. & V. Specialties Co., Vest Gorton
Person
Inter- Mr. L. B. Nichols, General Manager
viewed:
Date of
visit: April 15, 1953

A follow-up visit was made to this plant to check the status of our previously-submitted recommendations relative to the control of the dust hazard from the picking and carding operations.

The plant was not in operation at the time of this visit. However, it was learned from Mr. Nichols that a trial collector had been installed by the Turner & Hawes Company. This collector is a Spiroclean bag-type with an automatic rotating cleaner located within the bags. Tests made by Turner & Hawes Company on the discharge to the outside atmosphere indicated that the discharge air contained less dust than the outside atmosphere.

We were further informed that during the cold winter months it is necessary to recirculate the air. This condition is necessary because the air has to be humidified before entering the plant to eliminate static electricity. At present, the collector is connected to the carding machine only. However, when the installation is completed, the exhaust for the picking machine will also pass through this collector. Since the unit has a capacity of 15,000 CFM, it is believed to be adequate for this job. It was pointed out to Mr. Nichols that ordinarily the recirculation of air containing toxic dust is not permitted because of the possible breakdown in the system, such as the tearing of a collector bag, which would permit the dust to be redispersed into the plant. Mr. Nichols agreed that a small auxiliary filter should be installed in the system so that in the event of a collector breakdown the small filter would fill up very quickly and actuate a warning device or automatically shut off the blower.

This unit has been installed on an experimental basis and at present is exhausting the carding machine only. If proven successful, the installation will be extended to include the picking machine as well. For this reason no change has been made on the picking machine as yet. It is expected that the exhaust system will be completed sometime in June. Mr. Nichols

agreed that a representative from the Turner & Hawes Co. should contact us prior to making the final installation. He further agreed to notify this office when the installation has been completed so that air tests can be made in the carding and picking operations.

DAC/jah

Supplementary

A revisit in June is suggested.