

NOTES:

Office Card:Zip Code - 16753
Telephone - 642-2552

9 women - office

Baker is Personnel Manager

HIGHLY CONFIDENTIAL
SUBJECT TO PROTECTIVE ORDCORRECTIONS AND/OR ADDITIONS:

OPERATION	HAZARD	CONTROL
<u>Plant #1 - Glass brick:</u>		
Paint mixing and spraying	Mix contains PbO Fired at 970° ^{°F}	Automatic spray and booths. Appr. respirators
<u>Plant #2 - Foam Glass:</u> <u>Ball mill</u>	glass ground to 5 to 5½ microns	
<u>Plant #3 - Foam thans:</u> <u>Polymerization</u>	T D I	New purchase TDI : with resin
<u>Mixture to Batch mixes:</u> <u>Mix to Plant One - all dusts</u>	Sodium nitrate, sodium sulfate, fluorspar, cyanide salt, limestone, cullet, washed sand. 4 min. per mix, 4 hours operation, the rest of the time weighing out materials.	
<u>Mix to Plant Two:</u>	Antimony oxide, sodium nitrate, sodium sulfate, cyanide salts, lime stone, borax, washed sand. 2 mins per 4 hours.	
<u>ASBESTOS FIRE DEPARTMENT</u> <i>Plant 8</i> Refer to survey June 1964.		
Scrap pile	asbestos & silica dusts	enclosed & exhaust thru filter
Shoveling scrap to blender	asbestos & silica dust	done by hand - re
Feeding asbestos from bag to blender	asbestos dust & silica	done by hand - re
Transport and delivery to building machines	asbestos & silica	Pneumatic - enclo bented to collect
Building machines	asbestos - silica - silica mist, dust	enclosed and vent damp
Clay dip	asbestos and silica	wet mix
Baking	heat	enclosed & vented

January 5, 1964

OPERATION	HAZARD	CONTROL
Sanding	asbestos & silica	exhaust ventilators respirators
Grinding scrap	asbestos & silica	under negative
Clearing floor	asbestos & silica	general ventilation

HIGHLY CONFIDENTIAL
SUBJECT TO EXECUTIVE ORDER

REMARKS:

ASBESTOS PLANT: Re: survey dated June 1964. All recommendations have been a but No. 3. Discussed No. 3 with plant engineer. Enclosure is already present apparatus. They will remove hood and extend pipes to enclosure.

A metal storage bin has been expected to replace the old bin. It is with a cyclone at the top - Heavy materials are deposited in the bin and fines eliminated through bag filter. The push type pneumatic conveying system from under has been revamped. It is part of the storage bin and works on vacuum heavy steel duct work has replaced the old tin stuff. Dustiness while unloading bin to feed the feeder machines has been visibly reduced a hundred fold. Engineering drawings have been completed to eliminate the hand shoveling of scrap from the feeder machine. This will consist of a wand (suction) which will enable operator to stand outside the storage bin. The wand will pick up the material and blow it to a cyclone located on top of the feed machine bin. Fines will be exhausted through a filter to outside.

Plant floor is visibly cleaner. Housekeeping is much improved. Some operations still pose a ventilation problem. (It is a tough one). Several methods including air jet to vacuum methods may be tried. Air jet for blowing asbestos dust from pipe or insulation was discouraged. Duct entry too far to capture particles.

We will resurvey this area in very near future. Plant manager, Mr. [Name] requests we do this at our earliest convenience. The I.E. Foundation will assist. He would like both reports so that he can better justify expenditures for dust control and perhaps needs in areas that have been overlooked.

January 5, 1966

APES: CONTINUED

SUBJECT TO PROTECTIVE ORDER

This outfit readily got interested in asbestos. They sent their Assistant Plant Manager, R. K. Francis to England to an asbestos manufacture. There he spent two weeks in the plant with the plant doctor who had had better than twenty years of experience. Between dust concentrations, asbestosis, and lung cancer, this guy is very concerned (next to scared). Because of limited time our discussion was cut short. However he was interested in what has been done in the U.S. Will talk to him at 1 at a later date.

PLANT #1 - GLASS BLOCKS:

Ceramic sprays contain lead oxide. These are necessary to produce finish temperature range is important. Coated glass blocks are fired at around 970°F. necessitating need for lead oxide. Will sample at these operations. Discussed by me samples pending outcome of survey.

FOAM GLASS:

Glass ground to about 5 - 5½ microns (so they say). Foam glass rises by methane foam. Didn't tell me what made it rise. Will find out next time. (the trade secret) Their dust has dust in this area. Will do some sampling for dust perhaps something else. Corning Glass Works in Ohio did some work - X-rays, etc. no problem. Never saw report. Had written for it. Seems as Chest X-rays dropped this department.

Using petroleum tar as adhesive. Buy from Kendall. Will do some survey. Kendall Oil, Bradford, to find out what is in stuff. Suggest inspection of skin starts with medical exam., etc.

GENERAL:

Discontinued services of our mobile X-ray Unit. Perhaps they will take a or it.

RECOMMENDATIONS:

Keep unapproved type respirators out of asbestos pipe insulation shops

EX. MAILING NO. 7
WIT. GR. 11th
DATE 9-28-82
BRENDA L. HOLIER, RPTIR.

PLAINTIFF'S
EXHIBIT
Pittsburgh Courier
8 I.O.
8-23-85

[illegible]