

PITTSBURGH CEMENT CORPORATION
PORT ALLEGANY, PENNSYLVANIA

January 5, 1966

OPERATION	HAZARD	CONTROL
Sawing	asbestos & silica	exhaust ventilation - respirators
Grinding scrap Cleaning floor	asbestos & silica asbestos & silica	under negative pressure general ventilation

REMARKS:

ASBESTOS PLANT: P-1 survey dated June 1964. All recommendations have been effected but No. 3. Discussed No. 3 with plant engineer. Enclosure is already present on apparatus. They will remove hood and extend pipes to enclosure.

A metal storage bin has been expected to replace the old bin. It is equipped with a cyclone at the top - Heavy materials are deposited in the bin and fines are inated through bag filter. The push type pneumatic conveying system from the scrap Under has been revamped. It is part of the storage bin and works on vacuum now. Few heavy steel duct work has replaced the old tin stuff. Dustiness while unloading the 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 bin to the feeder machine. This will consist of a wand (suction) which will enable the operator to stand outside the storage bin. The wand will pick up the material and deliver 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. Sawing operations still pose a ventilation problem. (It is a tough one). Several ideas from air jet to vacuum methods may be tried. Aid jet for blowing asbestos dust from insulation was discouraged. Duct entry too far to capture particles.

We will resurvey this area in very near future. Plant manager, Griffith, requests we do this at our earliest convenience. The I.H. Foundation will also resurvey. I would like both reports so that he can better understand.

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PORT ALLISANT, PENNSYLVANIA

January 5, 1966

NOTES:

Front of Card:

Zip Code - 15743
Telephone - 642-2552

9 women - office

Baker is Personnel Manager

CORRECTIONS AND/OR ADDITIONS:

OPERATION

HAZARD

CONTROL

Plant #1 - Glass bricks:

Paint mixing and spraying

Mix contains PbO
Fired at 970°C

Automatic spray and spray
booths.
Appr. respirators available

Plant #2 - Foam Glass:

Ball mill

glass ground to 5 to 5½ microns

Plant #3 - Foam thames:

Refining

T D I

Now purchase TDI mixed
with resin

Correction to Batch mixes:

Mix to Plant One - all dusts

Sodium nitrate, sodium sulfate, fluorospar,
cyanide salt, limestone, cullet, washed sand.
4 min. per mix, 4 hours operation, the rest of
the time weighing out materials.

Mix to Plant Two:

Antimony oxide, sodium nitrate, sodium sulfate,
cyanide salts, lime stone, borax, washed sand.
2 mixes per 4 hours.

ASBESTOS PIPE DEPARTMENT Refer to survey June 1964.

Scrap mill

asbestos & silica dusts

enclosed & exhausted
thru filter

Shoveling scrap to
blender

asbestos & silica dust

done by hand - respirators

Feeding asbestos from
bag to blender

asbestos dust & silica

done by hand - respirators

Port and delivery
loading machines

asbestos & silica

Pneumatic - enclosed and
vented to collector

Adding machines

asbestos - silica -
silica mist, dust

enclosed and vented,
damp

Lay dip

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PARIS: CONTINUED

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 experience. Between dust concentrations, asbestos, and lung cancer, this guy is very concerned (nervous 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 length at a later date.

PLANT #1 - GLASS BLOCKS:

Ceramic sprays contain lead oxide. These are necessary to produce finish since temperature range is important. Coated glass blocks are fired at around 970° F.

assisting need for lead oxide. Will sample at these operations. Discussed blood and some samples pending outcome of survey.

FOAM GLASS:

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

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

TRAIL:

Discussed services of our mobile X-ray Unit. Perhaps they will take advantage of it.

RECOMMENDATION: