PLAINTIFF'S
EXHIBIT
USG-498

Weston Plant, Mr. H. D. Steeves

October 1, 1969

Dept. 170-6, Mr. G. R. Krug

American Mutual Industrial Hygiene Survey - Dated August 13, 1969

Attached please find a copy of the subject report.

Both noise and toxic dust exposures were investigated. As you will note, there are problems in both areas.

DUST

I have corrected the Threshold Limit Values (TLV) shown on the attached Air Analysis Table because the Value for asbestos has lowered from 5.0 to 2.0 Million Particles per Cubic Foot (mppct.). This lowering will also affect the 10.0 TLV for SprayDon, but I am not sure exactly how much.

Only Bureau of Mines Approved respirators should be worn by all operators and those others that are exposed to asbestos or SprayDon dusts. Respirators should be periodically hygienically cleaned, preferrably daily.

There is some question just how much further you can reduce the dust exposure. Emptying of bags and handling of empty bags, etc., offer serious exposure. At this time, bulk handling is not feasible. However, excellent housekeeping should be maintained and all dust collection equipment should be kept at optimum efficiency.

NOISE

As we were all aware, the Cupola area offers the only real exposure.

In the U. S., the Federal government states that persons can be exposed to 90 decibels for eight hours on the A Scale without harm being incurred to about 85 percent of the population. Anything above that may cause damage or temporary threshold shift.

We are only interested in the A Scale values. The C Scale tells us there is noise in the high frequency areas if C Scale readings are higher than A Scale readings. This can be helpful in designing acoustical absorbers, etc.

Personnel exposed to excessive noise levels should be provided with the best ear plugs commercially available. Also, an acoustical type enclosure should be considered. Even if it isn't totally enclosed, there could be a major noise reduction.

After you have opportunity to review the attached report and this memo, I would appreciate hearing from you.

GRK:spm
Att.

cc: #270, Toronto, Mr. H. F. Kent
#186, Chicago, Mr. C. P. Kipp

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