

April 3, 1958

FROM: F. H. HUYETTE
DAVENPORT WORKS



TO: MESSRS. L. T. LETSINGER &
S. H. BENNETT

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RE: INDUSTRIAL HYGIENE COMMITTEE

A meeting of the Industrial Hygiene Committee was held on March 31, 1958. The following were in attendance: Dr. L. A. Block, G. Decker, B. L. Tiedemann, C. L. Huey, J. H. Lowry, H. H. Hannah, I. K. Kaighin, and F. H. Huyette.

A report from the Iowa State Hygienic Laboratory on the sanitary water analyses of three samples was discussed. The bacteriological analyses showed that the water from the three locations (Well House #2, Building 800, and Building 808) was bacterially satisfactory. Water samples will be sent to the Hygienic Laboratory on a monthly basis. The points of collection will be rotated among eleven locations.

The Chemical Laboratory again sampled the ozone containing atmosphere in the bus bar welding area, Building 819. The test results indicated that for the periods tested the welders were not being exposed to ozone concentrations exceeding the maximum allowable concentration. In view of this, the Committee recommended that we continue our observation of the area to determine whether or not ventilation systems should be installed. The Engineering Division has been asked to hold up the installation of exhaust systems for the present time.

A report was received from the Alcoa Research Laboratories in response to our recent inquiry on the toxicity of morpholine which is used in our steam lines. According to the report, "if the concentration of morpholine is excessive an ammonical odor will be apparent." The report further indicated that due to the low concentrations of the amine in the condensate no problems should be anticipated.

Inspections of our plant cafeterias will be made once a month. The inspection team will consist of the Works Physician, Training Director, and Safety Director.

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The Committee discussed the use of Teflon which is to be applied to the heating drum on the induction continuous sheet annealing line. Since Teflon

decomposes at high temperatures, the vapor emitted may present a health problem; however, a fume exhaust system will be installed which should eliminate any potential hazard to personnel.

A water problem at C Cafeteria was brought to the Committee's attention. An iron pipe apparently was the cause of the water coloration that was reported. The defective pipe is to be replaced by a copper one.

The air-oil mist smoke at the Acme Saw was discussed. In the original study of this problem, the Chemical Laboratory reported that results of atmosphere tests made at the saw showed that we do not have a health hazard. In contacts with operating personnel, we have received comments regarding the nuisance created by the smoke. Before making a recommendation on the advisability of spending a considerable sum of money in correcting the smoke situation, the Committee believes further study should be made. Plate Department Supervision has agreed to notify us when a large accumulation of smoke occurs. At that time, another check will be made.

There were no cases of accidental chlorine inhalations reported to the Medical Department during the past month.

F. H. HUYETTE

Recorded by I.K.Kaighin:sw

Copies to: All Division Heads

Members of Hygiene Committee

Dr.L.V.Cralley, Pittsburgh Office