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HEALTH HAZARD
KAYLO VS. GPL-400

I have reviewed the general problem of the dust hazard of insulations and their effect upon humans.

Asbestos (as found in Kaylo) when breathed into the lungs causes asbestosis which often leads to lung cancer. Johns-Manville denies that this is true. I have reprints of three medical articles on the subject. One article describes the case history and autopsy of an insulator who died of lung cancer (he also smoked three packs of cigarettes/day). The second paper describes the effect of asbestos on several hundred mice, which was somewhat inconclusive. The third paper tells of the problems of asbestosis in an asbestos textile plant in North Carolina. The state of North Carolina requires X-rays and examinations for all people working with asbestos and free silica materials.

According to studies on guinea pigs by Miller and Sayers, kaolin dust is inert. Mr. G. W. Phelps of United Clay Mines has written me that he knows of no cases of pneumoconiosis caused by Owen Clay which we use in GPL-400.

According to Drinker, "Animal studies and periodic examination of workers indicate that there is no danger at all of pulmonary damage from either mineral wool or Fiberglas."

There is not enough data on the ingredients of Pfleifer's proposed R&R Carvyltemp type product to make a statement on its possible toxic effects.

All insulations are dusty and insulators seldom complain except when the dust is particularly irritating to them. Based on presently available data, GPL-400 is not as detrimental to the health as is Kaylo. It might be advisable for Bob Davis to make a laboratory dust comparison between Kaylo and GPL-400 using the same method as before. This would be helpful to have before we go into GPL-400 production.

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