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CONFIDENTIAL

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PERSONNEL

Mr. David B. Woodbury
Poseco Incorporated
20200 Sheldon Road
Brook Park, Ohio 44142

Dear Mr. Woodbury:

The following is a report of an industrial hygiene survey performed at your Mt. Braddock Plant on August 27, 1974. You were present during the survey, along with Mr. G. D. Brandt and Mr. T. Whalen.

I. PURPOSE AND SCOPE:

The purpose of this survey was to measure the prevailing concentrations of airborne asbestos and silica dust at selected plant locations where asbestos or silica materials were being handled. The results were reviewed in order to determine if the concentrations were below the OSHA standard, and if not, to determine the location and extent of any problem. Previous studies by your insurance carrier suggested that a high silica dust concentration had been measured at one of two locations, while no measurable concentrations of asbestos fibers could be found in three locations sampled.

Operations selected for sampling during this survey were those believed to have the greatest potential for asbestos or silica dust generation at this time, and in most cases do not necessarily coincide with those of the insurance carrier. For some operations, only observations and/or ventilation measurements were made due to the fact they were not operating at the time or because of time limitations. Some discussion and recommendations regarding control measures are also included.

II. FINDINGS:

The raw materials of primary concern for this evaluation are amosite asbestos (RM 265A), chrysotile asbestos (RM 319, 319A), silica flour (RM 131B), silica sand (RM 3182, 3183, OOP, OOE), amorphous silica (RM 3553) and diatomaceous earth (RM 544). At the time of the survey, little or no wollastonite was being used. The asbestos counts noted in this report exclude any fiber glass and possible wollastonite found on the filters used to collect the air samples.

Battery operated personal air samplers were used in accordance with OSHA methods to collect breathing zone (B.Z.) samples. The asbestos samples were examined microscopically under phase contrast illumination. The silica dust samples were analyzed gravimetrically and subsequently for free crystalline silica. The free crystalline silica

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