

April 24, 1937

Mr. I. Dent Jenkins  
Harrison Radiator Division  
General Motors Corporation  
Lockport, New York

Dear Mr. Jenkins:

From the list of results which I am sending you, I think you will be able to identify the source of the samples which I obtained in the foundry on the day of my visit. Allow me to call your attention to the high percentages of lead in these dusts. I am sure you will realize, as I do, that these finely divided dusts must have been in the atmosphere around these workmen during a considerable portion of their activity, and their deposition on these various surfaces is merely an indication of their presence in the atmosphere.

With reference to the sample obtained from the floor, I screened out all the discrete particles of solder by putting the material which I obtained through a hundred-mesh screen. Thus the sample analyzed consisted of materials which passed this screen. This was composed of particles which could easily be suspended in the atmosphere by sweeping or by air currents. On the basis of these observations, I think you might well consider the advisability of the use of suitable respirators in connection with this occupation. Moreover I would advise the prompt discontinuance of the use of the broom which was so freely used during the time of our brief inspection of the operation. If you follow these suggestions, you will materially change the situation of these men by the time we arrive to examine them. However I should advise doing this since I am much more interested in providing safe conditions for the men than I am in finding out just what resulted from conditions of the type that existed when I was in the plant.

Very truly yours,

RAK:is

Robert A. Kehoe, M.D.