

March 18, 1931

Dr. W. E. Deuel,
E. I. duPont de Nemours and Co.,
Dye Works Hospital,
Pennsgrove, N. J.

Dear Dr. Deuel:

I am sending you herewith the analytical results and the results of the blood examinations on the last group of cases from the Dye Works. You will observe that a number of these results are fairly high. I have checked those which are above what might be regarded as the normal level. However, the results in the case of the urines, which indicate the magnitude of absorption, are for the most part normal. The occasional high result indicates that some of these men have absorbed fair amounts of lead, and that there is still some considerable exposure. This simply means that we will have to continue to keep our eyes open for any and all possible points of avoidable exposure. You will note too that there are a few high results in the blood examinations. In the case of J. Johnson, if I am not mistaken, stippling has been more or less continuously high.

In checking over the analytical results which you sent me I find a number of fairly high findings. Those which are excessively high in the tetraethyl lead building may well be the result of exposures of very short duration, and may not be significant. However, they are not altogether to be ignored, and further tests should show what is their real significance. In the case of the alloy building, which I have already called to the attention of Mr. Robinson and Mr. Stecher, the high results are of somewhat more significance, I believe. On the first floor of the alloy building four out of the eight observations show an amount of lead dust which is above the permissible level. On the second floor of the alloy building ten results out of the twenty-one are somewhat high. On the top floor one out of five is higher than it should be. And in the case of the smelter six out of twelve are above the proper level. I doubt very much if these represent special conditions. I suspect the results represent a fair cross-section of conditions of operation. This simply means, as I have already pointed out to Mr. Robinson, that further studies are necessary in order to fix the blame so that the conditions can be remedied.

Of the list of men which you sent the last time, we do not have any histories of the following:

#1398 -

Sal. -

Dr. Deuel #2

I should be very glad if you would let me have histories on these men when you find it convenient to do so.

I shall send containers to you for the collection of new samples the first of April. I shall probably send you three extra containers and I shall be very glad if you will select from the alloy group, three additional men who have worked ~~there~~ for some time and who will represent the results of daily exposure over some considerable period of time. This will give us a further line on the conditions in the alloy building.

Kindest regards.

Very truly yours,

RAK:KJ

CC:Dr. Gehrman

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