

February 26, 1943

Dr. W. D. Norwood,  
Medical Supervisor,  
E. I. du Pont de Nemours and Company,  
Kankakee Ordnance Works,  
P. O. Box No. 955,  
Joliet, Illinois.

Dear Dr. Norwood:

I am returning to you herewith the results of our analyses on three of your men. On one of these, [REDACTED], there was no urine sample.

Some interpretation of these results is justified, but in order that we may make a more adequate interpretation, I should be pleased if you would send along the clinical data which I requested, at your early convenience. Two of the blood samples, on [REDACTED] and [REDACTED], are within normal limits. That on [REDACTED] is just at the extreme upper edge of normal values and might be regarded as giving some evidence of occupational lead exposure. The other does not reveal any exposure. In the case of Ed Caplan, however, the result is well above normal limits, and although it is not necessarily significant of dangerous exposure, such values are compatible with the existence of mild symptoms of lead intoxication. The two urine samples, however, have yielded essentially normal results. That on Raymond Johnson is just at the upper level of normal values, but if this were a concentrated sample of urine, it could not be regarded as abnormal in its lead concentration.

In summary of these results, I would conclude that these men have a mild and hygienically insignificant occupational lead exposure. This conclusion could only be adequately founded if we were to have a number of analyses, either on additional men in the same occupation or repeated analyses on these men. It is quite certain, however, that the occupational lead exposure on these men is not of a seriously hazardous type.

Not knowing the precise nature of your intentions with respect to further samples, and wishing to avoid the difficulties of bookkeeping in the Laboratory, I am enclosing herewith a bill to cover the cost of analyses reported herein. If it is not convenient to reimburse us at this time, or if you intend to send additional samples in the immediate future, you are at

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liberty to handle this invoice later if you wish.

With kindest personal regards,

Cordially yours,

Robert A. Kehoe, M. D.

RAK ef

Enc.

KE 0005122

Samples of urine and blood on various employees received from  
Dr. W. D. Norwood, Kankakee Ordnance Works, Joliet, Illinois.

| Name       | Urine              |     |          | Blood              |       |               |
|------------|--------------------|-----|----------|--------------------|-------|---------------|
|            | Analysis<br>Number | Ml. | Mg. Pb/L | Analysis<br>Number | Grams | Mg. Pb/100 g. |
| [REDACTED] |                    |     |          | 43A-361            | 19.5  | 0.055         |
| [REDACTED] | 43A-357            | 20  | 0.055    | 43A-358            | 20.8  | 0.08          |
| [REDACTED] | 43A-359            | 60  | 0.11     | 43A-360            | 20.6  | 0.04          |

Samples Received: 2-10-43

Samples Reported: 2-16-43

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