

April 29, 1943

Dr. T. L. Watson,
E. I. du Pont de Nemours and Company,
Medical Department,
Gopher Ordnance Works,
P. O. Drawer 3471,
St. Paul, Minnesota.

Dear Dr. Watson:

I am sending you the analytical results on four of your men without waiting for the records and also without waiting for the completion of the analyses on the last man. My reason for doing it is that the results obtained are rather significant. I presume that the men on whom the samples were obtained were actually employed at their job at the time these samples were taken. The results on the blood are all high and more or less uniform. Those on the urine are somewhat more variable, but they are not out of line with the results obtained on the blood. I would judge that [REDACTED] has had somewhat less exposure than the others, although whether this was a matter of time or intensity of exposure cannot be determined from the data. In any case, it is quite clear that an exposure that can give rise to blood levels and urine levels of this order of magnitude is somewhat hazardous and that it may produce cases of frank lead intoxication.

Examination of the blood smears gave the following results:

[REDACTED]	4-17-43	23	per	50	fields
[REDACTED]	4-17-43	60	"	"	"
[REDACTED]	4-16-43	9	"	"	"
[REDACTED]	4-16-43	18	"	"	"
[REDACTED]	4-16-43	54			

I shall look over the records when they come and give you any further interpretation that might seem to be useful. I shall also send you the bill for the series of analyses when the others have been completed.

Very truly yours,

Robert A. Kehoe, M. D.

RAK ef
Enc.

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Samples of urine and blood received from employees of the E. I. DuPont de Nemour
Gopher Ordnance Works, P. O. Drawer 3471, St. Paul, Minnesota, for lead analysis

Name	Urine			Blood		
	Analysis Number	Ml.	Mg. Pb/L.	Analysis Number	Grams	Mg. Pb/100 g
[REDACTED]	43A-1243	100	0.085	43A-1244	12.05 17.9	0.08 0.07
[REDACTED]	43A-1245	100	0.21	43A-1246	11.85 12.3	0.105 0.115
[REDACTED]	43A-1247	100	0.12	43A-1248	10.4 12.9	0.10 0.115
[REDACTED]				43A-1249	Badly contaminated 15.75	0.12

Samples Received: 4-20-
Samples Reported: 4-27-