

February 8, 1940

Mr. S. Kitto
Belle City Malleable Iron Company
Racine Steel Castings Company
Racine, Wisconsin

Dear Mr. Kitto:-

I delayed replying to your letter of January 24th since the samples obtained on [REDACTED] had not been analyzed. They have now been completed and I am sending you herewith the report of the analyses, together with a bill for our services in making them.

I have purposely omitted any reference to the interpretation of these results on the report sheet itself. As a matter of fact, these results are clearly indicative of a significant exposure to lead compounds on the part of this man. It is, of course, conceivable that he was not sufficiently careful in the collection of the samples and that both of them were slightly contaminated with lead dusts from his hands or clothing. On the other hand this is improbable since they are both quite consistent with each other, and have exactly the same meaning. The lead content of the feces is almost six times the mean normal level, while the lead concentration in the urine is somewhat more than seven times the mean normal urinary concentration. Indeed the urinary sample contains lead in quantities which may be and often are associated with the existence of lead intoxication.

The above findings do not mean of necessity that Mr. [REDACTED] will develop lead intoxication. They do mean, however, that the conditions under which he has been working are sufficiently hazardous that they might produce lead intoxication in men who are exposed to this extent. These results may not be entirely characteristic of the conditions under which other men are working. Nevertheless such evidence as we have from these observations indicates that the conditions of lead exposure of this man were and are hazardous.

Very truly yours,

N 7344

[REDACTED] contain

Samples of urine and feces received January 15, 1940.

Urine

Analysis No. 40A-0153

Volume - 2860.0 cc

Mgs Pb Found - 0.63

Mgs Pb/liter - 0.22

Feces

Analysis No. 40A-0154

Mgs Pb Found - 1.90

Mgs Pb/100 gms-
dry sample 4.50

Mgs Pb/gm
ash of sample - 0.38

Reported: February 6, 1940

Dr. Robert A. Kehoe
Kettering Laboratory
College of Medicine
Cincinnati, Ohio

February 8, 1940

To Belle City Malleable Iron Company
Racine Steel Castings Company
Racine, Wisconsin

For two analyses in the case of [REDACTED]
at \$5.00 each \$10.00

RE 0005441

Alvin Putney

BELLE CITY MALLEABLE IRON COMPANY

RACINE STEEL CASTINGS COMPANY

RACINE, WISCONSIN

January 24, 1940

Dr. Robert A. Kehoe
University of Cincinnati
College of Medicine
General Hospital
Cincinnati, Ohio

Dear Dr. Kehoe:

We are wondering whether you are far enough
along with your analysis to give us some report on the
lead exposure.

Yours very truly,

BELLE CITY MALLEABLE IRON CO.

A. Titto

Treasurer

SK:DP

KE 0005442