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*See Dr. Siegel's letter
7/8/47 for historical
background neither
Harris*

Aluminum Ore Company

East St. Louis, Ill.

May 2, 1947

Dr. R. A. Kehoe
Kettering Laboratory of Applied Physiology
University of Cincinnati
Cincinnati, 19, Ohio

Dear Dr. Kehoe:

We wish to acknowledge and thank you for your letter of April 21, 1947 in which you report blood analyses on two of our workmen. There was no statement for your services in this letter, however if you will forward a bill we will return a check to you promptly.

Bill paid 5-10-47

There was a similarity of names on two of the men ([redacted]) to which you refer, this similarity undoubtedly caused some confusion because both of these men were lead spray painters and both had been analyzed previously. However, [redacted] had complained of severe abdominal cramps and was hospitalized by Dr. Siegel. Dr. Siegel asked for a lead analysis to rule out the possibility of lead poisoning.

In the case of [redacted], we were quite disturbed to find the report that you made in March 1947 was high, particularly because this man had been off the job for a whole year, and that the worker who took his place had shown no increase in lead level for that year. After receiving your report we checked again and found that the man ate his lunch at the lead bench contrary to previous instructions. This condition has been corrected, the man is now given ample time to wash before eating, he has stopped smoking at the bench and we have provided a new type ventilator that reaches within 6 inches of the work. We are running aerial tests on this ventilator and will advise you of the results.

We have valued your past associations and have tried to make our records fully available to you. This last time there was confusion as to whether Dr. Siegel or myself would furnish the clinical data, Dr. Siegel and I will work together to wrap all this past data in a single package for you and in the future will see that you receive the information promptly

KE 0005265

N 7296

May 2, 1947

and regularly. Dr. Siegel is our plant physician and if you would prefer to send your medical interpretations to him it will be satisfactory since we work together on the plant hygiene program.

You can expect to hear from us within one week to give you all the information to bring your records to date. We are anxious to see that you have as much information as possible to round out your data and we will cooperate all possible toward that end.

Cordially,

ALUMINUM ORE COMPANY



R. C. Roberts
Industrial Hygienist

KE 0005266

Robert A. Kehoe, M. D.
College of Medicine Eden Avenue
Cincinnati 19, Ohio.

May 6, 1947

Aluminum Ore Company,
East St. Louis,
Illinois.

Attention: Mr. H. C. Roberts

Analysis of Blood and Urine for Lead



\$ 20.00

KE 0005267

N 7296 01

April 21, 1947

Mr. F. C. Roberts,
Aluminum Ore Company,
East St. Louis, Illinois.

Dear Mr. Roberts:

I am sending you herewith analytical reports on the blood and urine of [REDACTED] and [REDACTED]. Incidentally, reference to our report of March 1 will demonstrate that William [REDACTED] was the other man whose lead absorption was believed by us to be significant, on the basis of the analytical results therein reported. The results on [REDACTED] on the contrary, showed nothing of consequence.

The present results, with respect to [REDACTED] confirm those previously obtained, in demonstrating that his recent lead exposure has not been of the hazardous type. In the case of Boschenreither the low value obtained on the urine is not to be taken too seriously in view of the continued elevation of the lead concentration in the blood. I think I should point out to you that in the case of a man like [REDACTED] whose lead exposure has gone on over a considerable period of time, it is not to be supposed that there would be any significant change in the findings after only a month, even if he had been removed completely from all exposure. It takes months to eliminate lead from the body, when it has accumulated therein over a period of months or years. In general, a man whose lead exposure has lasted over a period of years would require six or eight months to reduce the lead content of his body to the point where the analytical findings would approach normal values. In this instance the low value found in the urine is merely the result of chance variation, since the results obtained on the urine from hour to hour and from day to day may vary quite significantly.

I am writing these words to you rather than to Dr. Siegel, since I have no way of telling what the relationships of your company are to Dr. Siegel. If he is your company physician, and if he makes clinical observations on these men, he should send me the clinical information that he has for our records, since otherwise we are not obtaining the information that we should have. As I pointed out to you originally, this is a research laboratory, and while we are willing to be helpful, our work of this sort is conducted primarily to obtain information. Therefore, if clinical information is available, we shall insist on having it in the future. If Dr. Siegel merely collects these samples for you at your request, it is a different matter. I make these comments not only because of the necessity of our obtaining as much useful information as we can, but also because all information of this type is medical information and it should be handled between medical men. The interpretation of

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Mr. R. C. Roberts - (2) - April 21, 1947

physiological and clinical data is otherwise likely to be incorrect and misleading.

Very truly yours,

Robert A. Kehoe, M. D.

RAK ef

Enc.

KE 0005269

Name:

Material: Urine and Blood

Submitted: 4-14-47 by Dr. Siegel, Aluminum Ore Company,
E. St. Louis, Illinois

Required: Lead Analyses

URINE

Analysis Number	- 47A-2727
Volume	- 36 ml.
Specific Gravity	- 1.022
Mg. Pb/Liter	- 0.07

BLOOD

Analysis Number	- 47A-2728	
	<u>Spectrographic</u>	<u>Dithizone</u>
Grams	- 13.4	20.5
Mgs. Pb/100 Grams	- 0.065	0.04

Samples Collected: 4-11-47

Samples Received: 4-14-47

Samples Reported: 4-17-47

KE 0005270

N 7296.03

Name:

Material:

Urine and Blood

Submitted:

4-14-47 by Dr. Siegel, Aluminum Ore Company,
E. St. Louis, Illinois

Required:

Lead Analyses

URINE

Analysis Number	-	47A-2725
Volume	-	61 ml.
Specific Gravity	-	1.027
Mg. Pb/Liter	-	0.045

BLOOD

Analysis Number	-	47A-2726
		<u>Spectrographic</u> <u>Dithizone</u>
Grams	-	20.2 20.7
Mgs. Pb/100 Grams	-	0.085 0.065

Samples Collected: 4-11-47

Samples Received: 4-14-47

Samples Reported: 4-17-47

KE 0005273

N 7296.04