

DEPARTMENT OF NATIONAL HEALTH AND WELFARE

INTRADEPARTMENTAL CORRESPONDENCE

TO: Chief, Occupational Health Laboratory

OUR FILE NO. C455-10-13

REF. YOUR FILE NO.  
DATED

FROM: H. N. MacFarland

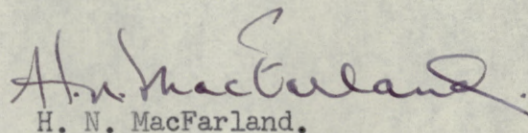
DATE: March 22, 1954.

SUBJECT:

Arsenic - Hair (Pascal Smith)

Attached is a copy of Mr. J. L. Monkman's report on hair analysis for arsenic for the patient, Pascal Smith, in Edmonton.

The levels found are, of course, abnormally high.

  
H. N. MacFarland.

HNM/iw  
Att.



Dr. H. N. MacFarland

0455-10-13

J. L. Monkman

March 19th, 1954.

Arsenic - Hair (Pascal Smith)

Please see attached copy of correspondence re the above, dated February 2/54, from Dr. W. L. Falconer. Arsenic found in urine was: .019  $\gamma$  per 1 ml., or .019 ppm as As (.025 ppm as  $As_2O_3$ ).  
Not beyond

Arsenic found in 1 gram samples of hair was:

	<u>ppm As</u>	<u>ppm <math>As_2O_3</math></u>
Unwashed hair	32.0	42.0
Alcohol-washed hair	32.0	42.0
Ether-washed hair	30.0	40.0
Water-washed hair	21.0	27.0

The hair was washed by decantation with five 25 ml. changes of liquid after standing 24 hours in first portion. One drop of Aqueet was used in first 25 ml. portion of water.

There are 2 grams of hair left.



J. L. Monkman.

JLM/iw