

NERCO ENVIRONMENTAL
SERVICES

Dave Dickson
FILE COPY

DATE: December 4, 1991

REPORT ON: Urinary Arsenic Determinations

REPORTED TO: ROYAL OAK MINES INC.
Giant Yellowknife Mines
P.O. Bag 3000
Yellowknife, N.W.T
Attention: Sharon Kerr

CLIENT REFERENCE #: n/a

INVOICE NO.: NCN-91089

REPORT #: G-02

The 1 sample submitted by you on November 28th, 1991 and received in our lab on November 28th, 1991 has been designated as REPORT # G-02. The analytical services requested by you are now complete.

SAMPLE IDENTIFICATION:

The samples received for analysis are listed under "Analytical Results" according to their respective identification codes.

METHODS OF ANALYSIS:

Samples were analyzed for **creatinine** using a BECKMAN Analyzer 2. "Occupational arsenic" determinations were made through a partial digest method (outlined in the Industrial Hygiene Program for Monitoring Occupational Exposure to Arsenic -Nerco Con Mine Ltd). "Total arsenic" determinations were made on a HITACHI Zeeman Atomic Absorption instrument.

The detection limit for arsenic determinations are as follows:

TOTAL, Ug/L	30*
OCCUPATIONAL, Ug/L	15*

* Note: Arsenic levels in this report have been converted from ug/Liter of urine to ug/Gram of creatinine. The arsenic values less than 30 ug/L (or 15 ug/L in Occupational Arsenic case) are not converted to creatinine units, and are reported as less than detection limit.

Gail Seto

Gail Seto
NERCO CON MINE LTD.