



Environment  
Canada

Environnement  
Canada

Environmental  
Protection

Protection de  
l'Environnement

Room 1023, 10025 Jasper Avenue  
Edmonton, Alberta T5J 2X9

February 28, 1975

Your file    Votre référence

Mr. D. J. Emery  
Mine Manager  
Giant Yellowknife Mines Ltd.  
Yellowknife, N.W.T.  
XOE 1HO

Our file    Notre référence

4221-70/Y24

Dear Mr. Emery:

Re: Stack Emission Survey

With reference to our meeting on January 22, 1975, I had agreed to outline our proposal for the Giant Yellowknife Emission Survey.

The Surveillance and Chemistry Divisions of the Air Pollution Control Directorate will be reviewing the EPS Code 1-AP-74-1 entitled "Standard Reference Methods for Source Testing: Measurement of Emissions of Particulates from Stationary Sources" in order to ensure its applicability in source testing the arsenic particulate emissions at the Giant Yellowknife plant.

In June 1975, we would like to test the sampling procedure at Giant Yellowknife using our code, equipment and personnel and the existing stack facilities. This experimental work may take approximately one to two weeks. If the test work is satisfactory, some definitive stack sampling may be conducted at that time.

In July or August we would like to have Giant Yellowknife undertake some definitive stack sampling using the EPS code. At that time, EPS personnel will observe the stack sampling work and will collect some of the samples for analyses. Monitoring of the process, production rate and pollution control equipment would be highly desirable. At this time, we are contemplating about 5-6 tests as stated at the January meeting.

It would be useful in formulating the past history of the Yellowknife arsenic situation to review the dustfall data that Giant Yellowknife has collected over the past years particularly if these figures are related to the estimated emission rates. It would be appreciated if you could make this information available.

...../2

I would also like to request a familiarization tour of the Giant Yellowknife plant sometime in April so that we can review the process, pollution control equipment, stack sampling facilities, etc.

If you wish further clarification, feel free to contact me.

Yours truly,

A handwritten signature in dark ink, appearing to read 'H. Veldhuizen', with a stylized flourish at the end.

H. Veldhuizen  
Head  
Air Pollution Control Section

c.c. C. A. Lewis, District Manager, EPS, Yellowknife  
W. A. Lemmon, APCD, Ottawa  
D. A. Williams, APCD, Ottawa  
L. Dubois

HV/mc