



Indian and Northern  
Affairs Canada

Affaires indiennes  
et du Nord Canada

cc: K. Morton  
G. Halverson

P.O. Box 1500  
Yellowknife, NWT  
X1A 2R3

July 19, 1990

Your file    Votre référence

Our file    Notre référence

N-5510-E6

JUL 23 1990

Manager  
Giant Yellowknife Mines Ltd.  
Bag 3000  
Yellowknife, NWT X1A 2M2

Dear Sir,

Because of the Federal Court's Rafferty-Alameda environmental related decision, your projects that are described on the attached EARP Statements have had a preliminary environmental screening. We have taken this opportunity to advise you of this and to communicate a copy of the EARP Statements coming from that screening.

Yours truly,

W.A. Padgham  
Regional Manager  
Geology Division

Canada

## EARP STATEMENT

As specified under the Environmental Assessment and Review Process (EARP) Guidelines Order (1984), the proposal described below has been subjected to an environmental screening or initial assessment to determine whether, and the extent to which, there may be any potentially adverse environmental effects.

This screening was performed on information contained in the Project Description:

CANADA-NWT Mineral Development Agreement, GNWT/DIAND

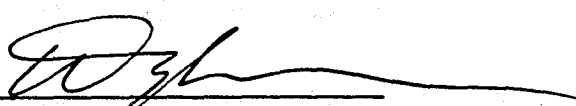
PROGRAM: N2.A Northern Technology

PROJECT: N2.A.16 Arsenic Purification and Beneficiation Testwork

Giant is examining the feasibility of producing arsenic metal and/or other arsenical products in the same plant that will be used to produce arsenic trioxide. There is a 1200 tonne annual market in North America for arsenic metal, all of which is produced offshore, primarily in China. The prefeasibility program would include a technology search and a preliminary market study. Depending upon the process technology, some laboratory testing may be included in the program. The project will define the opportunities for manufacture and marketing of a range of arsenical products. The prefeasibility program will include a technology search, preliminary plant design and a marketing study for a number of arsenic products.

As this work is done in laboratories or at the minesite (sampling) impacts if any will be monitored and controlled at the sites.

It has been concluded that the potentially adverse environmental effects are insignificant or mitigatable with known technology.

  
W.A. Padgham  
Regional Manager  
Geology Division  
NAP, DIAND  
Yellowknife, NWT

Date

July 19, 1990

  
Ranjit Somassy  
A/Regional Manager  
Environment & Conservation

Date

July 19, 90

## EARP STATEMENT

As specified under the Environmental Assessment and Review Process (EARP) Guidelines Order (1984), the proposal described below has been subjected to an environmental screening or initial assessment to determine whether, and the extent to which, there may be any potentially adverse environmental effects.

This screening was performed on information contained in the Project Description:

CANADA-NWT Mineral Development Agreement, GNWT/DIAND

PROGRAM: N2.A Northern Technology

PROJECT: N2.A.10 High Temperature Gas Filtration

Design, build and test a sintered metal high temperature gas filter in order to introduce a new arsenic trioxide purification process. During the past several years, Giant marketed crude arsenic trioxide produced as a by-product. Due to the quality of this product Giant's sole customer declined to renew their purchase contract. Recently Giant developed a purification process which will be tested on bench and pilot scale. A part of this work will be sub-contracted to New Brunswick Research and Productivity Council.

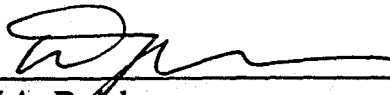
Phase 1: Design and Preparation of a metal pilot scale filter

Phase 2: Fabrication and installation at NB RPC.

Phase 3: Testing using crude baghouse dust from Giant.

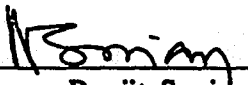
As this work is done in laboratories or at the minesite (sampling) impacts if any will be monitored and controlled at the sites.

It has been concluded that the potentially adverse environmental effects are insignificant or mitigatable with known technology.

  
W.A. Padgham  
Regional Manager  
Geology Division  
NAP, DIAND  
Yellowknife, NWT

Date

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A/Regional Manager  
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