

AN ORDER OF THE CLEAN ENVIRONMENT COMMISSION
UNDER THE CLEAN ENVIRONMENT ACT

RE: THE CLEAN ENVIRONMENT COMMISSION and SNOW LAKE GOLD CORPORATION,
Applicant,

WHEREAS pursuant to the provisions of The Clean Environment Act, Ilam Associates filed a proposal with the department on behalf of Snow Lake Gold Corporation in connection with the operation of a metallurgical complex including a plant for the the extraction of gold from arsenopyrite residues, ancillary works, buildings and tailings areas, located on E.A.L. 14, in Township 68, Range 14 WPM, in the Town of Snow Lake, Manitoba;

AND WHEREAS in the absence of limits, terms and conditions on emissions to the environment prescribed by a regulation, the proposal was referred to The Clean Environment Commission to prescribe limits, terms and conditions;

AND WHEREAS after giving notice of its intention to prescribe limits, terms and conditions, the Commission did not receive notice of representation from any person likely to be affected;

AND WHEREAS the Commission considered the proposal on the 20th day of November, 1987;

IT IS HEREBY ORDERED THAT

1. The Applicant shall direct all sanitary and domestic sewage resulting from the operation of the said complex to onsite holding tanks registered under applicable Manitoba Regulations.

2. Subject to clause 4, the Applicant shall not at any time discharge process wastewaters or other liquid effluents to the environment from either the arsenate tailings area or the cyanide tailings areas of the said complex.

3. The Applicant shall, at all times during the operation of the said complex, confine contaminated surface runoff streams within the operational area.
4. If, after cessation of operations at the said complex, the discharge of effluent into the environment from the cyanide tailings area becomes unavoidable, the Applicant
- (a) (i) shall sample the effluent prior to discharge, and ensure that the effluent discharged is of such quality that a grab sample of the effluent taken at the overflow point of the cyanide tailings pond does not exceed the limits prescribed in (b);
- (ii) shall submit a copy of the analysis for each sample of effluent obtained pursuant to (a) to reach the Environmental Management Division within 30 days of the date the sample was collected;
- (b) shall not at any time discharge effluent from the cyanide tailings area where, on the basis of a grab sample of the effluent taken at the overflow point of the cyanide tailings area,
- (i) the concentration of any contaminant in the effluent exceeds the following limits:

	<u>Contaminant</u>	<u>Limits</u>
(A)	total cyanide	0.5 milligrams per litre
(B)	total arsenic	0.5 milligrams per litre
(C)	total copper	0.3 milligrams per litre
(D)	total lead	0.2 milligrams per litre
(E)	total nickel	0.5 milligrams per litre
(F)	total zinc	0.5 milligrams per litre
(G)	total suspended solids	25.0 milligrams per litre

- (ii) the pH of the effluent is less than 6.0 pH units.

5. The Applicant shall submit to the Environmental Management Division copies of the detailed engineering drawings and specifications associated with the proposed construction of the arsenate tailings and cyanide tailings impoundment areas, as soon as available but a least 6 months before construction of said facilities.

6. Within 3 months of the commencement of operation of the said plant the Applicant shall submit to the said Division:
 - (a) a plan showing the locations of all the piezometers proposed to be installed down gradient of both tailings disposal areas;

 - (b) a schedule for monitoring the water quality in the piezometers.

7. The Applicant shall, at the request of the said Division, investigate the effectiveness of any segment or component of the wastewater treatment or containment systems to confirm the effectiveness of the arsenate or cyanide tailings disposal scheme or investigate other specific areas of concern and shall provide the Division with such engineering studies, drawings, specifications, analyses of process wastewater, surface water or groundwater and such other information as is requested in writing by the Division.

8. The Applicant shall dispose of all solid waste, exclusive of tailings solids, in a waste disposal ground designated pursuant to applicable Manitoba Regulations, or in such a place and/or such a manner as is satisfactory to the Environmental Management Division.

9. The Applicant shall clarify, revise or update the preliminary rehabilitation scheme described in section 7.0 of the applicant's Environmental Impact Statement dated January, 1987, as requested in writing by the Commission.

10. Upon the imminent cessation of operations the Applicant shall submit to the Commission a final rehabilitation scheme, subject to approval, revision or otherwise by the Commission.

11. The Applicant shall carry out the works identified in the final approved rehabilitation scheme within such time as is specified by the Commission.

12. In this order "operational area" means the area encompassed by "Boundary Line" identified in Schedule "A" to this Order.

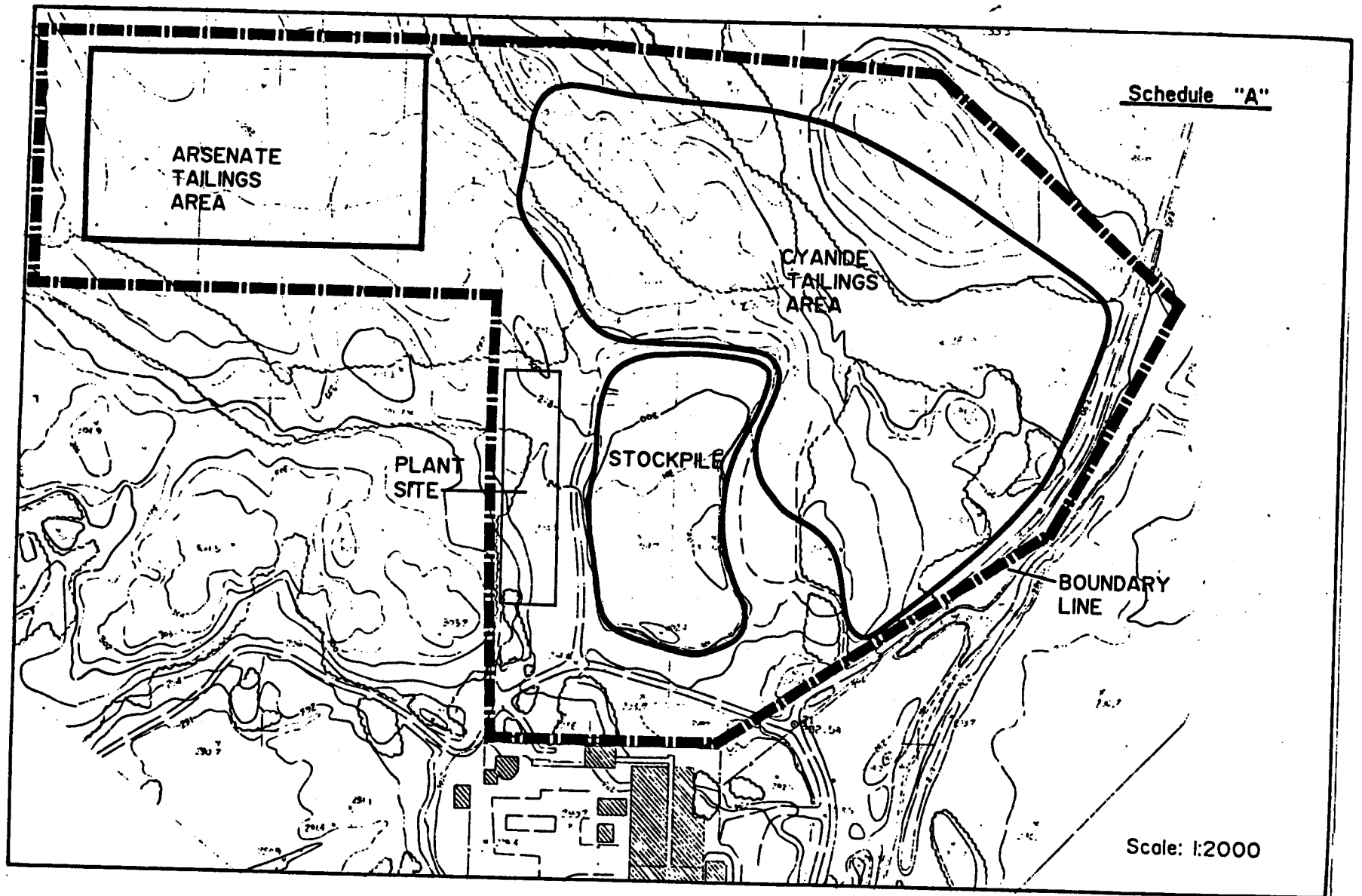
Order No. 1129

Dated at the City of Winnipeg
this 7rd day of December, 1987.



Chairperson,
The Clean Environment Commission.

File: 2799.0



Schedule "A"

ARSENATE
TAILINGS
AREA

CYANIDE
TAILINGS
AREA

PLANT
SITE

STOCKPILE

BOUNDARY
LINE

Scale: 1:2000