

AN ORDER OF THE CLEAN ENVIRONMENT COMMISSION

UNDER THE CLEAN ENVIRONMENT ACT

RE: THE CLEAN ENVIRONMENT COMMISSION and FALCONBRIDGE NICKEL MINES, LIMITED,
Applicant,

WHEREAS pursuant to the provisions of The Clean Environment Act, Falconbridge Nickel Mines Limited submitted an application to The Clean Environment Commission to prescribe limits in connection with the disposition of mine tailings solids and liquids and the discharge of effluent from either or both the tailings basin and the tailings disposal area (as shown on drawing No. 3209-13 dated July, 1970 as prepared by Reid, Crowther & Partners Limited and forming an attachment to Order No. 54 dated the 2nd day of November, 1970): all associated with the operation of the Manibridge mine sited on Lot 3001 Group 422 and located in part of Township 66 Range 10 WPM in the Province of Manitoba;

AND WHEREAS the Applicant, further to clause 4 of Order No. 54 dated the 2nd day of November, 1970, was required to submit a proposal or scheme to discharge the effluent to the Muningwari Lake Drainage Area: and did submit such a proposal or scheme and subsequently proceeded to divert the effluent in accordance with the said proposal or scheme;

AND WHEREAS no representation was made to The Clean Environment Commission by any person who is or is likely to be affected by an Order of the Commission prescribing limits in connection with the said operation;

AND WHEREAS The Clean Environment Commission considered the application on the 7th day of November, 1972, but deferred consideration of this matter pending the distribution of draft copies of the Order to the principals and to the Mines Branch;

IT IS HEREBY ORDERED THAT:

1. The Applicant shall ensure that mine tailings solids are deposited only in the said tailings basin and the said tailings disposal area.

*Assigned
to
Water Pollution
Nov 26/75
CBO/ed*

0.6-284.3

2. The Applicant shall ensure that mine tailings liquid effluent from either the said tailings basin or the said tailings disposal area:
 - (a) is directed to the Muningward Lake drainage area (as shown on attached Schedule 1) and hence via a creek to Doughty (Lily) Lake and to the Munigan River enroute to Sipiwesk Lake (as shown on attached Schedule 2) and ultimately the Churchill River;
 - (b) is prevented from reaching:
 - (i) any part of the Grass River system;
 - (ii) Clarke Lake;
 - (iii) any part of the Minago River drainage area.
3. The Applicant shall ensure that during every month a sample of the said tailings liquid effluent is taken and analyzed for the following substances and characteristics:
 - (i) Arsenic as As
 - (ii) Cadmium as Cd
 - (iii) Cyanide as CN
 - (iv) Lead as Pb
 - (v) Mercury as Hg
 - (vi) Copper as Cu
 - (vii) Nickel as Ni
 - (viii) Zinc as Zn
 - (ix) Iron as Fe
 - (x) Total Solids
 - (xi) Total Volatile Solids
 - (xii) Suspended Solids
 - (xiii) Suspended Volatile Solids
 - (xiv) Settleable Solids
 - (xv) Hydrogen ion concentration (pH)
4. The Applicant shall ensure that the results of the analyses and determinations required under Clause 3 are forwarded to the Environmental Management Division of the Department of Mines, Resources and Environmental Management within thirty days of the end of the month in which the sample is taken.
5. The Applicant shall, within one year of the date of issuance of this Order, provide the said Commission with a detailed scheme for:


Cont'd . . .

5. (a) the orderly removal and eventual disposal of all structures, their contents and the accumulated material on the said site;
 - (b) the proposed steps to be taken in order to rehabilitate the said site progressively and at the termination of the said operation in line with aesthetic consideration;
 - (c) the measures proposed for the retainment and/or treatment of acid generating waste that may exist at the time of termination of the said operation.
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6. The Applicant shall, within one year of the date of termination of the said operation, complete all necessary steps and carry out the detailed scheme for the rehabilitation of the environment.

Order No. 504

Dated at the City of Winnipeg

this 25th day of NOVEMBER, 1975.



Chairman,
Clean Environment Commission

SCHEDULE 1

Fillings Disposal Area

