

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

RE: THE CLEAN ENVIRONMENT COMMISSION and HUDSON BAY MINING AND SMELTING CO., LIMITED, Applicant,

WHEREAS pursuant to the provisions of The Clean Environment Act, Hudson Bay Mining and Smelting Co., Limited filed an application with the Department in connection with the continued operation of an existing mine known as Osborne Lake Mine located at Lots 1177, 1189, 1179, 1190, Group 422, Township 69, Range 15, West of the Principal Meridan, in Manitoba, with discharge of effluent to Osborne Creek and thence via Osborne Lake and Wekusko Brook to Wekusko Lake;

AND WHEREAS in the absence of limits being prescribed by a regulation under The Clean Environment Act, the application was referred to The Clean Environment Commission for the prescribing of limits on the discharge or deposit of contaminants to the environment;

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

AND WHEREAS the Commission considered the application on the 25th day of February, 1980;

IT IS HEREBY ORDERED THAT

1. The Applicant shall not discharge effluent from the said operation where the quality of the said effluent, when sampled at the outfalls of either or both of the mine water discharge pipes adjacent to the north and south shafts of the said operation is of such quality that:

(a) the concentrations of the following substances in the effluent are in excess of the corresponding maximum allowable concentrations shown for those categories listed under columns I, II, and III of the following table:

Substance	Column I Maximum Monthly Arithmetic Mean* Concentration	Column II Maximum Concentration In a Composite Sample**	Column III Maximum Concentration In a Grab Sample
Total Arsenic	0.5 mg/1	0.75 mg/1	1.0 mg/1
Total Copper	0.3 mg/1	0.45 mg/1	0.6 mg/1
Total Nickel	0.5 mg/1	0.75 mg/1	1.0 mg/1

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WATER
Pollution
Control
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- 1. (b) the pH of the effluent is below the minimum allowable values shown for those categories listed under columns I, II, and III of the following table:

Parameter	Column I Minimum Monthly Arithmetic Mean* pH	Column II Minimum pH in a Composite Sample**	Column III Minimum pH in a Grab Sample
pH	6.0	5.5	5.0

- (c) on and after the 1st day of March, 1981, the concentrations of the following substances in the effluent are in excess of the corresponding maximum allowable concentrations shown for those categories listed under columns I, II, and III of the following table:

Substance	Column I Maximum Monthly Arithmetic Mean* Concentration	Column II Maximum Concentration In a Composite Sample**	Column III Maximum Concentration In a Grab Sample
Total Lead	0.2 mg/l	0.3 mg/l	0.4 mg/l
Total Suspended Matter	25.0 mg/l	37.5 mg/l	50.0 mg/l

- (d) on and after the 1st day of March, 1985, the concentration of the following substance in the effluent is in excess of the corresponding maximum allowable concentrations shown for those categories listed under columns I, II, and III of the following table:

Substance	Column I Maximum Monthly Arithmetic Mean* Concentration	Column II Maximum Concentration In a Composite Sample**	Column III Maximum Concentration In a Grab Sample
Total Zinc	0.5 mg/l	0.75 mg/l	1.0 mg/l

- 2. The Applicant shall not dispose of solid waste and bulky metallic waste, as defined in regulations issued under the said Act, in any area other than designated waste disposal grounds.

3. The Applicant shall not discharge or dispose of sludge from the treatment of mine water in such a manner as to contaminate the environment.

Order No. 874

Dated at the City of Winnipeg
this 18th day of March, 1980.


Chairman,
The Clean Environment Commission.

* - the "monthly arithmetic mean" for each substance means the average value of the concentrations of each such substance as determined in all composite or grab samples collected and reported during that month with the exception that, if the applicant collects only one composite or grab sample during a month, the single set of analytical results shall be construed as being representative of the effluent quality of that month and hence shall be treated as the monthly arithmetic mean;

** - a "composite sample" means a quantity of effluent consisting of a minimum of three equal volumes of effluent collected at approximately equal time intervals over a sampling period of not less than seven hours and not more than twenty-four hours, or consisting of effluent collected continuously at an equal rate over a sampling period of not less than seven hours and not more than twenty-four hours.

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