

AN ORDER OF THE CLEAN ENVIRONMENT COMMISSION

UNDER THE CLEAN ENVIRONMENT ACT

Re: The Clean Environment Commission and Tantalum Mining Corporation of Canada Limited, applicant

WHEREAS Pursuant to the provisions of The Clean Environment Act, Mr. C. T. Williams, on behalf of Tantalum Mining Corporation of Canada Limited - a Division of Chemalloy Minerals Limited -, submitted an application to The Clean Environment Commission to prescribe limits in connection with the deposition of tailings solids and the deposition of mine water and tailings area effluent, all relevant to the operation of a mine/mill complex located on part of Section 15, Township 17, Range 15 EPM, north shore of Bernic Lake, Manitoba,

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AND WHEREAS The Clean Environment Commission considered the application on the 22nd day of July, 1974, on the 12th day of August, 1974, and again on the 15th day of October, 1974,

IT IS HEREBY ORDERED THAT

1. The applicant shall ensure that tailings and/or tailings slurry is deposited only within an area comprising 67.7 acres more or less as outlined in red on the attached map marked "Appendix A to Order No. 396,"
2. The applicant shall ensure that mine water is disposed of by discharge to the tailings area as indicated on the attached map marked "Appendix A to Order No. 396,"
3. The applicant shall ensure that only relatively inert and non-toxic substances are used in the mineral concentrating process and/or the slurry flocculating process,

Assigned to
and Pollution Control
J. G. Hawkins
CBO/BH
Oct 29/74

4. The applicant shall ensure that with respect to the disposal of waste rock there is no impairment of the natural environment other than that occasioned by the use of the said waste rock for engineering purposes associated with the mine/mill complex and ancillary facilities,
5. The applicant shall ensure that tailings area effluent:
 - (a) is subject to prior retention in the tailings ponds for a period of 30 days,
 - (b) has a hydrogen ion (pH) characteristic of between 6.0 and 8.5 when and if discharged,
 - (c) is released only towards and into the North Bay of Bernic Lake, as marked on the attached map marked "Appendix A to Order No. 396,"
6. The applicant shall ensure that the effluent at the final point of decantation or release from the tailings disposal ponds is sampled once every month that effluent is decanted or released and each sample analyzed for the following substances and characteristics:
 - (a) Suspended Solids,
 - (b) hydrogen ion concentration (pH),
7. The applicant shall ensure that the effluent at the final point of decantation or release from the tailings disposal ponds is sampled once in the Spring and once in the Fall at approximately six-month intervals and sample 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)

8. The applicant shall ensure that the results of the analyses and determinations required under Clauses 6. and 7. of this Order are forwarded to the Environmental Management Division of the Department of Mines, Resources and Environmental Management within 30 days of the end of the month in which the sample or samples are taken,

IT IS HEREBY FURTHER ORDERED THAT

9. The applicant shall, within one year of the date of issuance of this Order, file with The Clean Environment Commission a detailed scheme for:
 - (a) the orderly removal and eventual disposal of all structures, their contents, and all other accumulated material on the site of the said operation,
 - (b) the steps proposed to be taken to rehabilitate the said site progressively and at the termination of the said operation in line with aesthetic considerations,
10. The detailed scheme, as required under Clause 9, shall be subject to review from time to time by the said Commission and the applicant and in any case reviewed not less than one year before the expected date of termination of the said operation as determined by the applicant,
11. The applicant shall, within six months of the date of termination of the said operation, take all necessary steps and carry out the detailed scheme as amended and finally approved by the said Commission for the rehabilitation of the environment.

Order No. 396



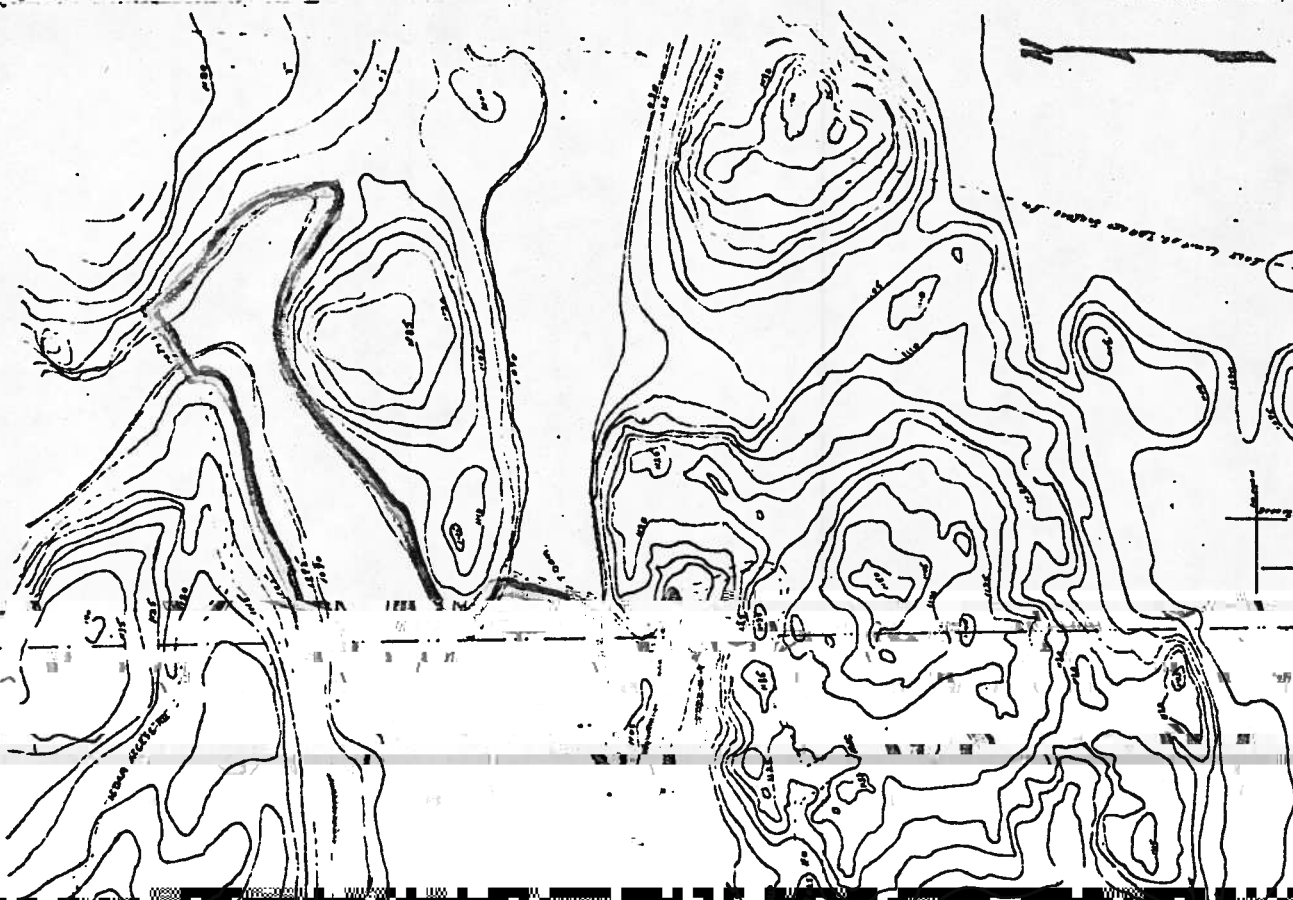
Chairman
Clean Environment Commission

Dated at the City of Winnipeg

this 21st day of OCTOBER, 1974.

Appendix A as attached forms part of this Order.

TOWNSHIP 18 RANGE 15E
SECTION 18 SECTION 14



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APPENDIX A TO CEDER No

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8011 SOUTH TO SECTION LINE 11

Appendix A to CEDER No

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