



Atomic Energy
Control Board

Ottawa, Canada
K1P 5S9

Commission de contrôle
de l'énergie atomique

Cogema Resources Inc.
Kiggavik - Sissons Project,
Baker Lake Area
District of Keewatin
Northwest Territories
Mining Facility Removal
Licence AECB-MFRL-157-3.5
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Your file Votre référence

Directorate of Fuel Cycle
and Materials Regulation

Our file Notre référence

22-C4-123-1

Cogema Resources Inc.
817 - 825 45th Street West
Box 9204
Saskatoon, Saskatchewan
S7K 3X5

The Atomic Energy Control Board (hereinafter "the Board") pursuant to paragraph 7(1)(a) of the *Uranium and Thorium Mining Regulations* hereby licenses Cogema Resources Inc. (hereinafter "the licensee") to maintain its surface facilities at the mining facility (known as the Kiggavik - Sissons Project) located in the District of Keewatin, in the Baker Lake Area, Northwest Territories and more particularly described in Appendix "A" to this licence.

The licensee shall comply with the following conditions:

1. subject to any other condition of this licence, the facility shall be maintained in accordance with the methods and procedures and for the purposes described in the documents listed in Appendix "B" to this licence;
2. no significant modifications to or deviations from the design, operating conditions, methods or procedures described in the documents referred to in condition 1 may be made without the prior written approval of the Board;
3. the licensee shall ensure that maximum permissible doses of ionizing radiation or exposures to radon daughters set out in Schedule II of the *Atomic Energy Control Regulations* are not exceeded, but notwithstanding the permissible doses and exposures in those regulations, doses of ionizing radiation and exposures to radon daughters received by any person shall be kept as low as reasonably achievable (ALARA), social and economic factors being taken into account;
4. the licensee shall maintain the core storage facilities in a manner acceptable to the Board and
 - (a) inspect the site at least twice per year to ensure that uranium-bearing materials are secure,
 - (b) submit to the Board, in the annual report, the results of the inspections referred to in condition 4(a);

5. records kept pursuant to paragraph 11(1)(c) of the *Atomic Energy Control Regulations* shall be issued to the employee as those records pertain to that employee within 60 days
 - (a) after the end of each quarter of a year, where the dosimetry period approved by the Board does not exceed a quarter of a year, and
 - (b) after the end of a dosimetry period approved by the Board where that period exceeds a quarter of a year, andall such records shall be submitted to the Board within 60 days after the period reported;
6. the licensee shall ensure that every contractor working at the facility understands and complies with the applicable conditions of this licence including those relating to the licensee's operating policies and working procedures with respect to the protection of health, safety and the environment;
7. the licensee shall ensure that every worker at the mining facility receives instruction, in a manner that is satisfactory to the Board, in respect of the health, safety and environmental procedures that are described in the documents listed in Appendix "B";
8. the licensee shall decontaminate all material, machinery or equipment before removal from the mining facility to levels of radioactivity specified by the Board;
9. there shall be sufficient qualified personnel in attendance to ensure, at all times, the safe conduct of the activities authorized by this licence;
10. the licensee shall:
 - (a) report to the Board within 24 hours
 - (i) any situation or incident that results or is likely to result in a significant hazard to the health or safety of any person, and
 - (ii) any accidental release of contaminants within the facility, that results or is likely to result in a hazard to the environment;
 - (b) initiate appropriate remedial actions to eliminate or reduce the hazard or mitigate the effects of the release; and
 - (c) notify the Board of the actions taken or intended;

11. the licensee shall maintain security measures acceptable to the Board for protecting the facility and preventing theft, loss or any unauthorized use of prescribed substances associated with the activities authorized by this licence;
12. the licensee shall obtain and maintain an irrevocable standby letter of credit for an amount acceptable to the Board, which provides that the amount be paid to the Board upon either:
 - (a) failure by Cogema Resources Canada Ltd. to fulfill its obligations with respect to decommissioning of the Kiggavik/Sissons Project; or
 - (b) the financial institution that issued the letter of credit notifying the Board in writing on or before the date that is 60 days prior to the expiry date that it elects not to consider the letter of credit renewed for an additional one year period, and the licensee failing to provide, on or before the date that is 30 days prior to the expiry date, a renewal Letter of Credit acceptable to the Board.

This licence, issued in duplicate, comes into effect June 15, 1993.

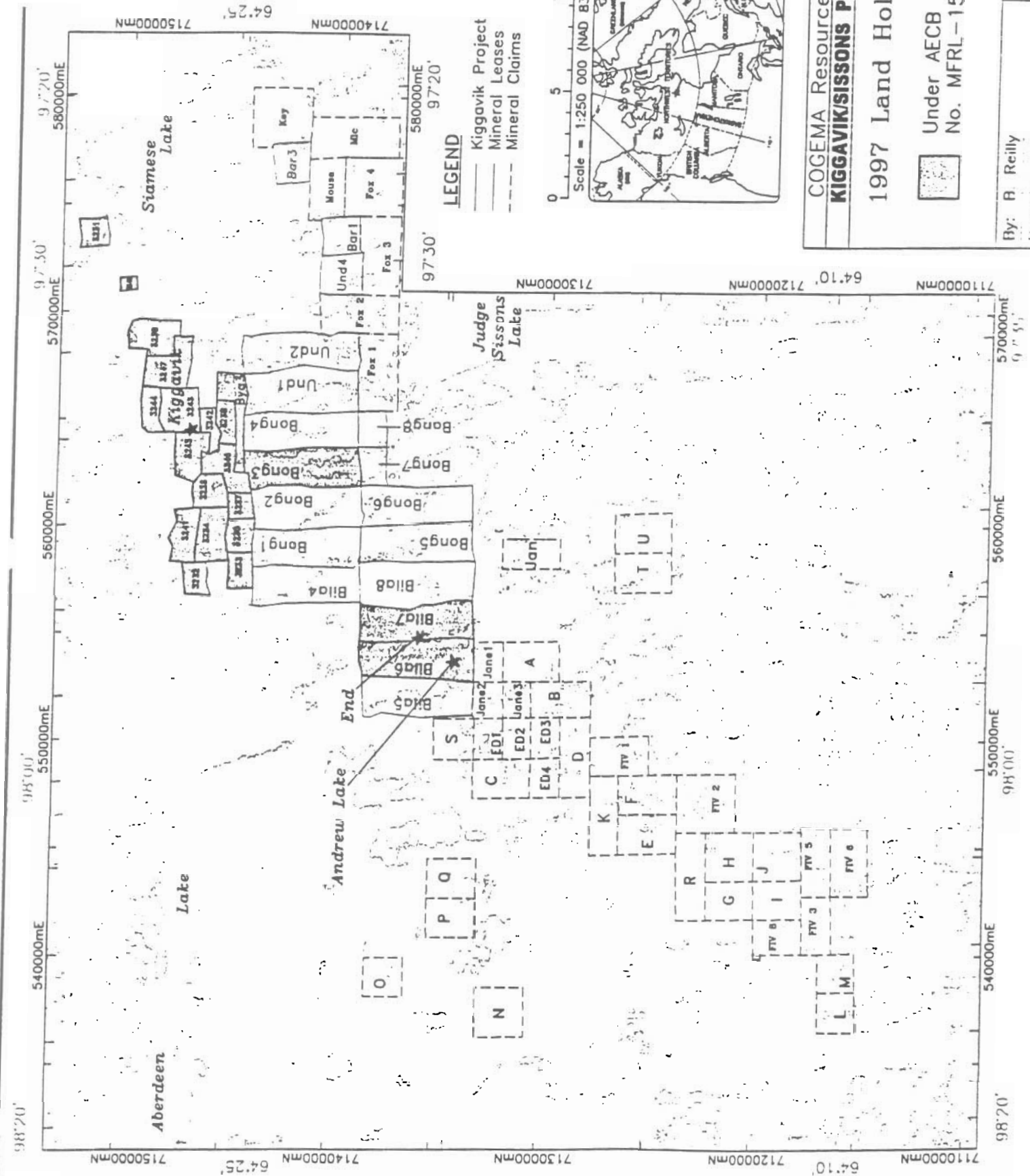
AMENDED at OTTAWA, this 29th day of August, 1998.

ATOMIC ENERGY CONTROL BOARD

BY 

R.M. Duncan
Director General

APPENDIX "A.1"



COGEMA Resources Inc.
KIGGAVIK/SISSONS PROJECT

1997 Land Holdings

Under AECB Licence
 No. MFRL-157-3.3

APPENDIX "A.2"

LEASE	ACREAGE
ML 3231	396
ML 3232	426
ML 3233	492
ML 3234	772
ML 3235	498
ML 3236	623
ML 3237	360
ML 3238	434
ML 3239	867
ML 3240	145
ML 3241	709
ML 3242	294
ML 3243	1027
ML 3244	484
ML 3245	713
ML 3246	698
ML 3247	870
ML 3294 (Bong 3)	2349
ML 3298 (Bya 3)	690
ML 3301 (Bila 6)	2615
ML 3302 (Bila 7)	2180

APPENDIX "B"

REFERENCE DOCUMENTS

1. Letter dated November 7, 1997 from L. Quarshie, Director, Cogema Resources Inc., to Mr. Peter Courtney, Project Officer, Atomic Energy Control Board;
2. Revised Mining Facility Licensing Manual - Kiggavik - Sissons Project dated May 15, 1998 with cover letter dated May 15, 1998 from L. Quarshie, Director, Cogema Resources Inc., to Peter Courtney, Project Officer, Atomic Energy Control Board.