



Supplementary Information

Written submission from CNSC Staff

In the Matter of the

Cameco Corporation, Rabbit Lake Operation

Application for the renewal of uranium
mine/mill licence for Rabbit Lake Operation

Commission Public Hearing

June 7-8, 2023

Renseignements supplémentaires

Mémoire du personnel de la CCSN

À l'égard de

Cameco Corporation, établissement de Rabbit Lake

Demande visant le renouvellement du permis
d'exploitation de mine et d'usine de
concentration d'uranium pour l'établissement
de Rabbit Lake

Audience publique de la Commission

7-8 juin 2023

To A	Denis Saumure Commission Registrar c.c. Commission Registry	Security Classification – Classification de sécurité UNCLASSIFIED	
		e-Doc number / ccm number e-Doc 6984674	
From De	Kavita Murthy Director General Directorate of Nuclear Cycle and Facilities Regulation	Your File – Votre référence 2.04 (Rabbit Lake)	
		Date March 24, 2023	Tel. No. – N° de tél. (613) 222-1703

Subject / Objet: CNSC Staff Submission: Correction of Errors in CMD 23-H7, Licence Renewal, Cameco Corporation Rabbit Lake Operation

ISSUE

After the submission of CNSC staff’s CMD 23-H7, *Licence Renewal, Cameco Corporation Rabbit Lake Operation*, staff noted display and/or content errors in three graphs within the CMD, as well as other items requiring clarification. CNSC staff are providing corrections in this memo to ensure that the Commission and members of the public are able to see these corrections in advance of the hearing date. Please note that none of these administrative corrections change the conclusions and recommendations made in CMD 23-H7. It should be noted that CNSC staff’s CMD presentation at the Commission hearing in June, 2023 will include data for the entire 2022 calendar year and therefore the tables and graphs presented in the slides will be both corrected and updated.

CNSC STAFF SUBMISSION

CNSC staff wish to provide the following corrections/revisions:

- On page 21 in Table 3.1: “Number of reported events, 2013-2022”; there were no reportable events during the January 1 to September 30, 2022 timeframe. A lost-time injury (LTI) that occurred after September 30 was counted and has been removed to ensure that the reporting timeline provided in the CMD is consistent. A revised table with the correct data is provided below:

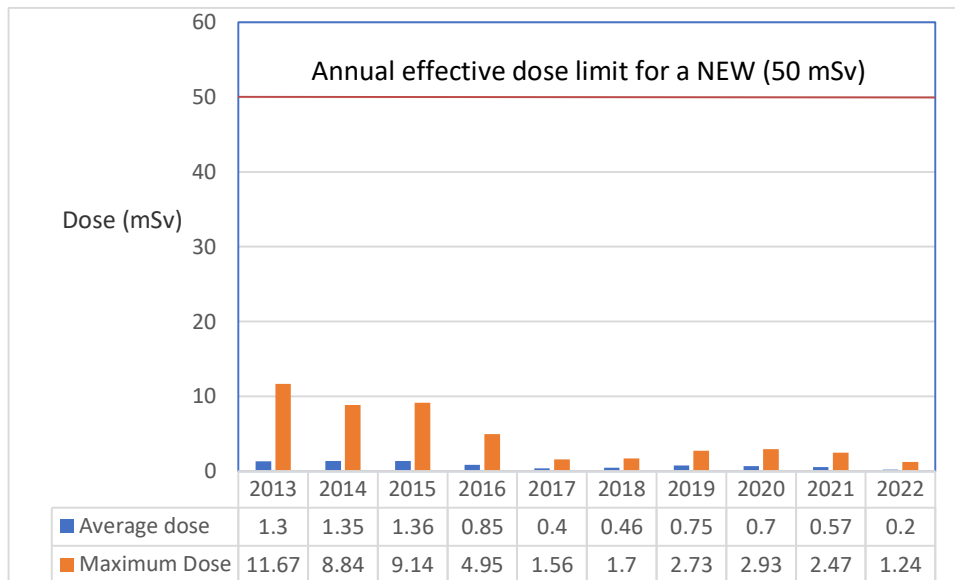
Table 3.1: Number of reported events, 2013-2022

Year	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022*
Total number of events	2	5	4	3	1	1	1	0	5	0

* The 2022 reporting period values are based on January 1, 2022, to September 30, 2022, data.

- On page 34, the Figure 3.2: “Maximum and average individual effective doses to RLO NEWs, 2013-2021” appears to have been partially cut off when the CMD was converted from WORD to PDF format. In addition, the years covered should be 2013-2022 (up to September 30, 2022). The correct graph and figure title are provided below:

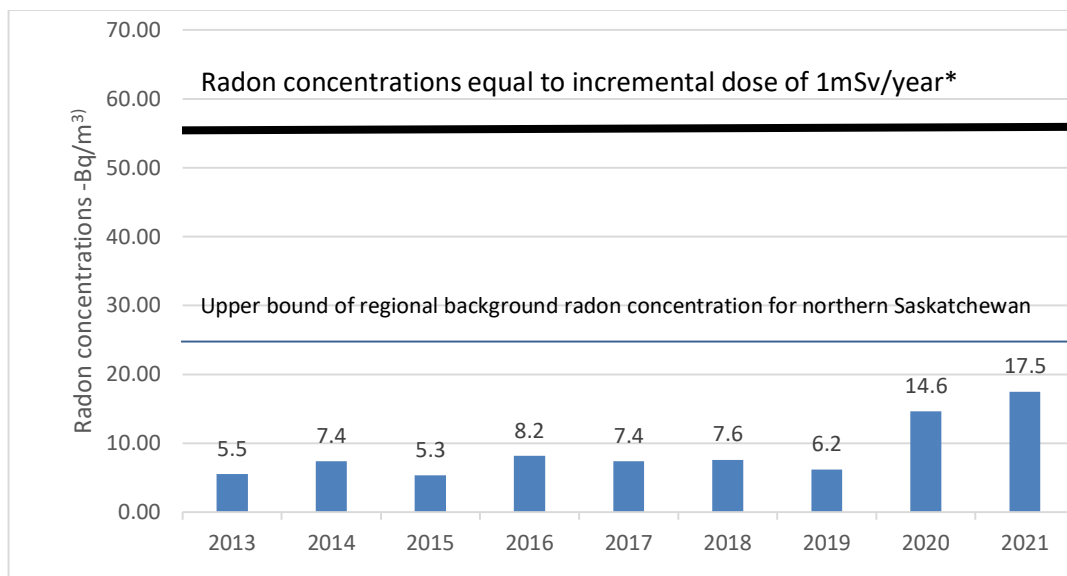
Figure 3.2: Maximum and average individual effective doses to RLO NEWs, 2013-2022*



* The 2022 reporting period values are based on January 1, 2022, to September 30, 2022, data.

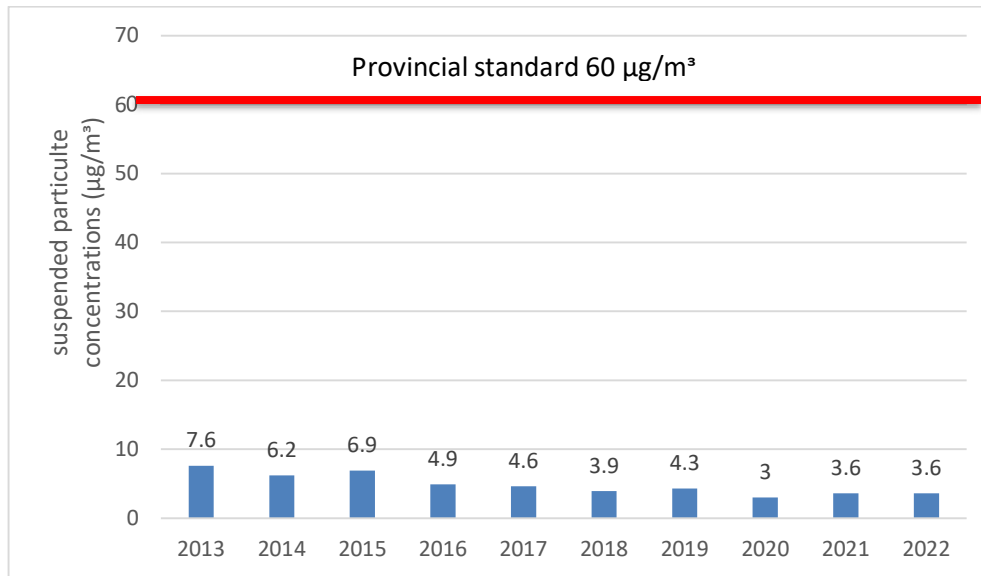
- On pages 49 and 50 of CNSC staff’s CMD, figures 3.4 and 3.5 were interchanged and labelled with the incorrect limits. Below are the corrected figures with the proper limits included:

Figure 3.4: Concentrations of radon in ambient air, 2013-2021



*Upper-bound of the incremental dose of 1 mSv per year above background (i.e., an incremental radon concentration of 30 Bq/m³ above natural background) based on ICRP Publication 115. Values are calculated as geometric means.

Figure 3.5: Concentrations of total suspended particulate, 2013-2022*



*The 2022 reporting period values, calculated as geometric mean, are based on January 1, 2022, to September 30, 2022, data.

- On page 93 in the table under the criteria ‘A longer licence period can be recommended when effective compliance programs are in place on the part of both the applicant/licensee and the CNSC’; CNSC staff indicate in the second paragraph that there have been 36 inspections, the number should be 37.

This concludes CNSC staff’s identification of corrections within CMD 23-H7, *Licence Renewal, Cameco Corporation Rabbit Lake Operation*.

CONCLUSION

CNSC staff have provided the above corrections to ensure the Commission, the public, and Indigenous Nations and communities have correct and complete information during their reviews of CMD 23-H7. These corrections are administrative in nature, and none affect CNSC staff’s conclusions or recommendations as found in that CMD.

Digitally signed by Murthy, Kavita
DN: cn=C.A, o=GC, ou=CNSC-
CNSC, cn="Murthy, Kavita"
Reason: I am approving this
document
Ottawa, Ontario, Canada
Date: 2023.03.24 16:03:49-04'00'
Foxit PDF Editor Version: 12.0.2

Kavita Murthy
Director General
Directorate of Nuclear Cycle and Facilities Regulation