





Commission Member Document Submission

- CNSC staff's Commission Member Document (CMD) was posted October 10, 2024
- Contains CNSC staff assessments, licensee performance, and Indigenous engagement efforts for operating uranium mine and mill (UMM) facilities in 2023, and historic and decommissioned UMM facilities from 2021-2023
- New dashboard format in appendix B, C, D, E and F



ROR for UMMs in Canada: 2023
Posted to CNSC Web-site on
2024 October 10



Summary of Report

- All 5 UMM sites which are licensed to operate have satisfactory safety ratings for all 14 safety and control areas (SCAs) in 2023
- All historic and decommissioned sites were rated satisfactory for the SCAs of radiation protection, conventional health and safety, and environmental protection from 2021-2023
 - Dyno and Madawaska were rated "Below Expectations" in 2022 for management systems, and Port Radium had "Below Expectations" from 2021-2023 for operating performance; these circumstances were considered to have low safety significance
- Updates provided on Orders issued to Cigar Lake in 2022, and Rabbit Lake in 2023
- Information on CNSC staff's ongoing Indigenous engagement work



Indigenous Engagement and Interventions

- CNSC staff engaged
 with Indigenous Nations
 and Communities
 throughout 2023, with
 the goal of furthering
 open, respectful and
 trusting relationships
- CNSC staff thank all intervenors for their submissions





Key Themes from Interventions:

- A general appreciation of the regulatory and engagement work of CNSC staff
- Interest in increased noncompliances over the past several years
- Access to raw machinereadable data
- CNSC staff's conclusions on protection of the environment



Update on Cigar Lake's 2022 and Rabbit Lake's 2023 Inspector's Orders

2022 Cigar Lake

- On October 28, 2022, a CNSC Inspector's Order was issued due to the volume of waste rock Stockpile 'C' being above the limit
- Saskatchewan Ministry of Environment (MOE) also took enforcement action; CNSC and MOE worked collaboratively
- In May 2023, CNSC staff accepted Cameco's Plan to return to compliance and all conditions of the order were met
- As of June 22, 2024, Cameco reported the volume of Stockpile 'C' was reduced to below the limit, which was verified in a CNSC inspection in July 2024

2023 Rabbit Lake

- On October 26, 2023, a CNSC Inspector's Order was issued due to expired Personal Protective Equipment (PPE) in use by the Rabbit Lake Emergency Response Team (ERT)
- The Order prohibited work involving open flame, heat production and/or sparks ('hot work') and required an immediate plan for obtaining non-expired PPE, among other actions
- On August 2, 2024, CNSC staff determined that all conditions of the order were met
- In December 2024, CNSC staff verified all responses to the order were properly implemented



2024 Administrative Monetary Penalty-Cameco Corporation

- Cameco had previously advised CNSC staff that CSA standard N393-13 Fire protection for facilities that process, handle, or store nuclear substances would be implemented at its uranium mine and mill sites by December 31, 2023
- On January 22, 2024, during a reactive inspection at the Rabbit Lake Operation, CNSC Inspectors determined that Cameco had not yet implemented CSA N393-13, and had not informed CNSC staff of the delay in implementation
- On March 14, 2024, CNSC issued an administrative monetary penalty (AMP) to Cameco to promote compliance with the *Nuclear Safety and Control Act*
- CNSC staff are receiving monthly updates on implementation progress, and will continue to monitor until the standard is implemented and verified



Conclusions

- Releases of radioactive and hazardous substances to the environment were below regulatory limits
- Radiological doses to the public and to workers were below regulatory limits
- Lost-time injuries were consistent with previous years
- Licensees took appropriate follow-up actions on all reportable events
- Canada's international obligations with respect to UMM sites were fulfilled

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Errata

- Section 3.4.2, in late 2024 Cameco reclassified an injury at Key Lake to an LTI, bringing the total to 5 LTIs at Key Lake in 2023
- Section 10 states that all historic and decommissioned sites were rated as "satisfactory" save for Port Radium- in fact, Madawaska and Dyno were both rated "below expectations" for the SCA of Management Systems in 2022, as described correctly in sections 7.2.1 and 8.8.1
- Appendices B.3 and F.3, 'Radon' should read 'Radium'
- Appendix B.3, Radium-226 values for 2019, 20, 21 and 22 should each be an order of magnitude larger, e.g. 0.008 instead of 0.0008
- Appendix D.1 The financial guarantee for Rabbit Lake should read \$202,700,000 instead of \$42,100,000