



Supplementary Information

Written submission from Cameco Corporation

In the Matter of the

Cameco Corporation, Beaverlodge Project

Application for the Licence Revocation and
Transfer of Properties to Saskatchewan
Institutional Control Program

Commission Public Hearing

January 30, 2025

Renseignements supplémentaires

Mémoire de Cameco Corporation

À l'égard de

Cameco Corporation, le projet de Beaverlodge

Demande de révocation de permis et de
transfert de propriétés au programme de
contrôle institutionnel de la Saskatchewan

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Request for a Licensing Decision: Revocation of the Beaverlodge Waste Facility Operating Licence, WFOL-W5-2120.0/2025

Submitted by:
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List of Acronyms

ACFN	Athabasca Chipewyan First Nation
AJES	Athabasca Joint Engagement and Environment Sub-committee
AWG	Athabasca Working Group
BVL-PIP	Beaverlodge Public Information Program
CA	Collaborative Agreement
CBEMP	Community Based Environmental Monitoring Program
CMD	Commission Member Document
CNSC	Canadian Nuclear Safety Commission
DLRM	Dené Lands and Resource Management
EARMP	Eastern Athabasca Regional Monitoring Program
ERA	Environmental Risk Assessment
FDCBP	Fookes Delta Community Based Program
IC	Institutional Control
IEMP	Independent Environmental Monitoring Program
IMA	Impact Management Agreement
LTMP	Long Term Monitoring Plan
MN-S	Métis Nation of Saskatchewan
NAD	Northern Administrative District
NSEQC	Northern Saskatchewan Environmental Quality Committee
SHA	Saskatchewan Health Authority
SkMER	Saskatchewan Ministry of Energy and Resources
SkMOE	Saskatchewan Ministry of Environment
QSM	Quantitative Site Model
YNLR	Ya'thi Néné Lands and Resource Office.

EXECUTIVE SUMMARY

Cameco Corporation (Cameco) has developed long-standing relationships with communities in northern Saskatchewan. Engagement activities associated with the decommissioned Beaverlodge properties occur formally through Cameco and government-sponsored committees as well as meetings with local communities or elected representatives, and informally through various activities, including site tours, community visits, community liaisons, newsletters, and public information sessions.

Engagement activities for the Beaverlodge properties involve the rights-bearing First Nation and Métis communities of the Athabasca Basin, namely the northern settlement of Uranium City and the Uranium City Local #50, located in the vicinity of the properties and Fond du Lac First Nation, located on Lake Athabasca.

Engagement also includes those that may have expressed an interest in the decommissioned properties, including the community of Fort Chipewyan, which is approximately 170 km to the south-west, across Lake Athabasca and the Métis Nation of Saskatchewan.

Cameco builds strong relationships in the north through its northern strategy and its commitments to maintaining open channels of communication. The Beaverlodge Public Information Program (BVL-PIP) was developed to assist in ensuring that Cameco's activities at the decommissioned properties are efficiently communicated to the public in a manner that complies with established regulations and stems from Cameco's over 35-year history in the north. The objective of the BVL-PIP is to ensure local communities are informed on a consistent basis about current and upcoming activities, and anticipated effects on the environment and the health and safety of persons, and work to build trust and support of the local people through direct involvement.

Engagement activities pertaining to the decommissioned Beaverlodge properties have been ongoing throughout the current and previous licence terms, in accordance with the approved BVL-PIP. Cameco provided information, listened to, and worked to address, questions and concerns while working diligently to ensure that local communities benefit from the value that the company places on economic development and social responsibility.

In November 2023, Cameco submitted the final closure documents to support the release of the final set of Beaverlodge properties from Canadian Nuclear Safety Commission (CNSC) licensing; release from decommissioning and reclamation requirements from the Saskatchewan Ministry of Environment (SkMOE); and transfer to the Institutional Control Program managed by the Saskatchewan Ministry of Energy and Resources (SkMER).

This report has been prepared in accordance with CNSC REGDOC-3.2.2, *Indigenous Engagement* and supports Cameco's request for the remaining Beaverlodge properties to be released from CNSC licensing and for the licence to be revoked.

1.0 BACKGROUND

The decommissioned Beaverlodge uranium mine/mill site and associated properties near Uranium City in northern Saskatchewan were operated by Eldorado Mining and Refining Limited between 1952 and 1982. From 1982 to 1985, the site was decommissioned and reclaimed to standards approved by federal and provincial regulators. Since 1988, Cameco has carried out routine environmental monitoring, environmental investigations, maintenance work, community engagement and targeted remediation on the 70 separate decommissioned properties that originally made up Beaverlodge.

On December 1, 2009, the CNSC granted Beaverlodge a Waste Facility Operating Licence (WFOL-W5-2120.0/2012), which was valid to November 30, 2012. Following that, a short-term renewal was granted that extended the licence term to May 31, 2013. On May 27, 2013, the CNSC notified Cameco that the Commission had renewed the Waste Facility Operating Licence (WFOL-W5-2120.0/2023) for a period of 10 years, from June 1, 2013, until May 31, 2023. That licence was amended in 2019 and again in 2022 to accommodate the release of 38 decommissioned properties from CNSC licensing and facilitate their transfer to the province of Saskatchewan's Institutional Control (IC) Program for long-term environmental stewardship.

In 2023, Cameco applied for and was granted a two-year licence term (WFOL-W5-2120.0/2025; expiring May 31, 2025). The purpose of the extended term was to allow adequate time for regulatory processes, public engagement, and document preparation associated with an application for the release of the remaining decommissioned Beaverlodge properties, to facilitate their transfer to the IC Program.

Cameco submitted final closure documents on November 22, 2023, to support the release of the final set of 27 decommissioned Beaverlodge properties from CNSC licensing; their release from decommissioning and reclamation requirements from SkMOE; and their transfer to the IC Program managed by SkMER. The Final Closure Report is publicly available on the [Beaverlodge website](#). Additional information is available on the [Saskatchewan Institutional Control Program website](#).

On February 5, 2024, Cameco submitted a formal hearing request for the final set of Beaverlodge properties to be released from CNSC licensing and for the Waste Facility Operation Licence to be revoked. Cameco will submit a Commission Member Document (CMD) in advance of a hearing, scheduled for January 2025. This process is required to transfer the properties to the IC Program managed by SkMER.

1.1 Indigenous Engagement Report

Engagement activities pertaining to the decommissioned properties have been ongoing throughout the current and previous licence terms, in accordance with the approved Beaverlodge Public Information Program (BVL-PIP). In addition, the Beaverlodge Public Disclosure Protocol, developed in accordance with guidance provided by CNSC REGDOC-3.2.1, *Public Information and Disclosure*, is posted on the [Beaverlodge website](#).

This report has been prepared in accordance with CNSC REGDOC-3.2.2, *Indigenous Engagement* and supports Cameco's request for the remaining Beaverlodge properties to be released from CNSC licensing, making them eligible for transfer to the Province of Saskatchewan for long-term environmental stewardship under the IC Program. Sections 1.2 and 1.3 of this report provide detail on the Indigenous groups and other interested parties identified for engagement. Section 2.0 discusses the engagement that has been conducted to inform the Beaverlodge Management Framework and Path Forward Plan (Path Forward) with the goal of preparing the properties for transfer to the IC Program. Section 3.0 summarizes current engagement activities in relation to the 2025 hearing, and Section 4.0 provides a description of planned Indigenous engagement activities and CNSC reporting.

To support the release of the remaining decommissioned Beaverlodge properties from CNSC licensing and their transfer to the IC Program, a comprehensive summary of the engagement activities from 2009 to present has been included with this report (Appendix 1).

1.2 Identification of Indigenous Groups

Cameco has a long history of engaging with Indigenous communities in the vicinity of our licensed operations. We focus our engagement activities on the rights-bearing First Nations and Métis communities of the Athabasca Basin, which include three Denesųłiné First Nations - Fond du Lac First Nation, Hatchet Lake First Nation, and Black Lake First Nation.

The closest community to Beaverlodge is the northern settlement of Uranium City, which includes members of the Uranium City Métis Nation Saskatchewan (MN-S) Local #50, as well as other rights-bearing First Nations. Uranium City is located approximately 8 km from Beaverlodge and is the only community with year-round road access to the decommissioned properties. The closest First Nation community to the decommissioned properties is Fond du Lac, which is approximately 80 km by air, to the east of Uranium City. As such, engagement activities specific to Beaverlodge have namely involved members of these two communities.

While the rights-bearing First Nation and Métis communities of the Athabasca Basin are the primary audience for engagement activities, Cameco provided information and responded to inquiries from the Northern Administrative District (NAD) communities and other organizations or groups such as the Northern Saskatchewan Environmental Quality Committee (NSEQC).

Cameco has also engaged with the provincial MN-S and the Athabasca Chipewyan First Nation (ACFN) who have both consistently expressed an interest in the decommissioned Beaverlodge properties, dating back to the 2019 CNSC licence amendment hearing. The ACFN community of Fort Chipewyan is located approximately 170 km to the south-west of Beaverlodge, across Lake Athabasca.

Cameco's relationship with the three First Nations and four municipal communities in the Athabasca Basin was formalized in June 2016, with the signing of the Ya'thi Néné Collaboration Agreement (CA). The Ya'thi Néné CA builds on the Impact Management Agreement (IMA), signed in 1999. The agreement confirms the continued long-standing

relationship between the communities, Cameco and Orano. The CA sets out Cameco's obligations to the communities under five main pillars:

- workforce development
- business development
- community investment
- community engagement and,
- environmental stewardship

The community engagement and environmental stewardship pillar of the CA defines Cameco's obligations in relation to engaging and informing the Athabasca Basin communities with respect to its operations, exploration and also provides a structure for these communities to be engaged with respect to Cameco's activities, including the decommissioned Beaverlodge properties as it is of interest to local community members.

Signatories to the Ya'thi Néné CA are the following:

- Uranium City
- Northern Settlement of Camsell Portage.
- Northern Hamlet of Stony Rapids.
- Northern Settlement of Wollaston Lake.
- Fond du Lac Denesūliné First Nation (Fond du Lac First Nation).
- Black Lake Denesūliné First Nation (Black Lake First Nation).
- Hatchet Lake Denesūliné First Nation (Hatchet Lake First Nation).

Ya'thi Néné is a non-profit organization, established in the 2016 Ya'thi Néné Collaboration Agreement (CA), owned by the seven Athabasca Basin communities.

1.3 Indigenous Representatives

Engagement between Cameco and the Basin communities under the CA occurs primarily through the Athabasca Joint Engagement and Environment Sub-committee (AJES; previously the Athabasca Working Group). The AJES is a joint committee of community and industry representatives that meets regularly to discuss matters of importance to the communities and provides a forum for the communities to share traditional knowledge.

The AJES is focused solely on the environment and is responsible for reviewing information from environmental monitoring programs such as the Community Based Environmental Monitoring Program (CBEMP), information updates from all Cameco and Orano mine site and exploration programs and providing feedback on behalf of community members. The AJES committee also shares this information with communities and their members. This committee meets a minimum of four times per year.

Under the CA, the Ya'thi Néné Land and Resource office (YNLR) was established to provide support to the subcommittee, and the executive director of YNLR is an AJES member. In addition, the office has become a point of contact for the communities.

The MN-S represents the province's Métis citizens. Cameco engages the MN-S Northern Region 1; however, the focus of Beaverlodge specific engagement activities is with the Uranium City MN-S Local #50 President and the Métis people in the vicinity of the decommissioned Beaverlodge properties. Cameco also engages directly with other Métis representatives, including the Stony Rapids MN-S Local #80 and #79 President.

It is Cameco's understanding that ACFN's Dené Lands and Resource Management (DLRM) was established to create capacity for the community to work with industry and government to assess the environmental impacts of industrial development on ACFN territory. Cameco has been engaging with ACFN through the DLRM.

Cameco also engages with the NSEQC, which was established pursuant to a recommendation of the Joint Federal-Provincial Panel on Uranium Developments in 1997 to foster better communication between northerners, the government and the uranium mining industry. There are representatives from 32 northern municipal and First Nation communities on the NSEQC. Activities of the NSEQC include site visits, workshops and general meetings. Members of the NSEQC are appointed by the provincial government, based on recommendations from community leaders. Members that visit uranium mining/milling operations are encouraged to report back to their communities and the larger NSEQC. Cameco has been engaging the NSEQC since its establishment and has toured representatives at the decommissioned sites, attended general meetings and invited representatives to Beaverlodge specific workshops.

2.0 BEAVERLODGE MANAGEMENT FRAMEWORK AND RELATED ENGAGEMENT

Cameco has developed long-standing relationships with communities in the Northern Administrative District of Saskatchewan. Engagement activities occur formally through Cameco and government-sponsored committees as well as meetings with local communities or elected representatives, and informally, through various activities, including site tours, community visits and public information sessions. Over time these engagement activities have expanded, increased in frequency and become more formalized with the establishment of committees and sub-committees (e.g. AJES). The Beaverlodge Management Framework was developed by Cameco, with input obtained from the Joint Regulatory Group and local stakeholders, including the NSEQC and Uranium City residents and leaders. The Framework was presented and accepted by the CNSC in November 2009.

2.1 Beaverlodge Management Framework

The Management Framework provided a systematic process to assess information, risk, and potential remedial options available for the decommissioned properties. Cameco has been consistent in the information shared describing the end goal as receiving a release from CNSC licensing and transferring the decommissioned Beaverlodge properties to the provincial IC Program.

To support the implementation of the Beaverlodge Management Framework, a Quantitative Site Model (QSM) was developed to assess residual risks, potential benefits of remedial options, and to establish environmental performance criteria to aid in evaluating the effectiveness of the selected remedial options.

Using the Framework, the following five general stages (Figure 2.1-1) were completed:

- Establish a comprehensive foundation of information upon which residual risks can be assessed.
- Assess the residual risk posed by the properties.
- If necessary, develop and assess reasonable remedial options that could mitigate residual risk on or immediately downstream the properties.
- Implement selected remedial option(s) and monitor results.
- If implemented options are successful in achieving the expected benefit or if it is determined that nothing more could reasonably be done to mitigate the residual risk(s) beyond natural recovery, then an application will be made to transfer the property to the IC program.

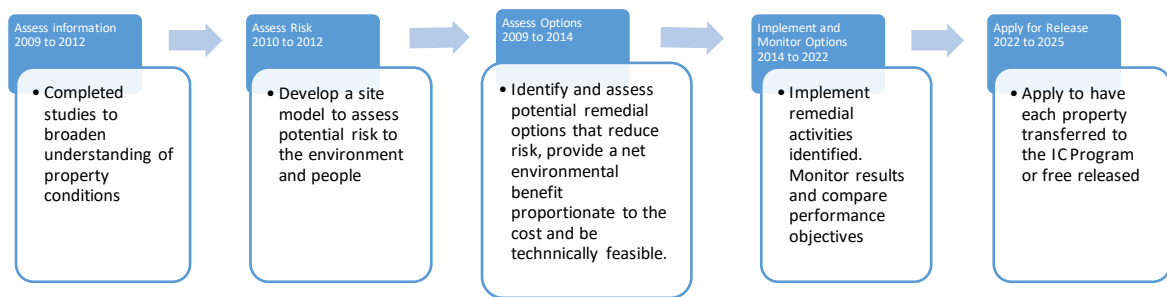


Figure 2.1-1: Simplified Beaverlodge Management Framework.

As part of stage 3 of the Framework, remedial options workshops were held in 2009 and 2012. The goal of the workshops was to engage northern Saskatchewan rights holders, stakeholders and regulators to help determine what potential remedial options would be reasonable to achieve the established performance objectives. Workshop participants included local and regional rights holders and stakeholders, including representatives of the MN-S, Uranium City residents, as well as representatives from Athabasca First Nations and other communities through the Athabasca Working Group (AWG) and NSEQC representatives.

2.1.1 Remedial Options Workshops

A remedial options workshop was held in 2009 to bring together regulatory and non-regulatory stakeholders and rights holders to determine what, if anything, could be done on the decommissioned Beaverlodge properties to improve the environmental conditions. The workshop was attended by regulatory and other government agencies, Uranium City residents, the MN-S, and the NSEQC representing the Athabasca Basin communities of Uranium City, Stony Rapids, and the Fond du Lac and Hatchet Lake First Nations. During the 2009 workshop, a list of potential remedial options was developed for consideration, and it was recognized that additional site-specific information was required before decisions could be made regarding the benefit of implementing remedial options. As a result, additional studies were completed from 2009 to 2012 to fill in potential information gaps. These studies informed the development of the Beaverlodge QSM, which was relied on during the subsequent 2012 remedial options workshop to assess the potential environmental benefits of implementing various remedial options.

Included among these studies was a Country Foods Program. In 2010, Cameco contracted a third-party, Indigenous-owned company to complete a two-year investigation that included surveying Uranium City residents regarding their consumption of country foods and collecting samples of vegetation, fish, and wild game with the help of community members. This study was an assessment of the actual food consumed by Uranium City residents, with many of the samples collected being provided by traditional land-users for analysis. The results of this study and Human Health Risk Assessment (HHRA) concluded that the consumption of country foods utilized by residents of Uranium City posed no health risks provided the healthy fish consumption guideline in place was adhered to. Results were

presented to the community in June 2012 and were supported by the CNSC and the Saskatchewan Health Authority (SHA).

The second remedial options workshop was held in 2012 and brought together local and regional stakeholders, including the MN-S and participants from Uranium City including leadership, land and resource users, youth and an Elder; Athabasca First Nations and other communities through the AWG and NSEQC, Cameco, the regulatory agencies and other stakeholders. The intent of the workshop was to evaluate potential remedial options, their respective costs and expected environmental benefit. Workshop participants evaluated the options using their own set of traditional values and experiences to determine what was important to them, and what options would be worthy of further consideration. The outcome of the workshop provided Cameco an opportunity to understand and consider many different perspectives, which was critical in developing an acceptable Path Forward.

In addition to the potential remedial options proposed by Cameco, the 2012 workshop also provided an opportunity to assess various other remedial options that were suggested by workshop participants. These additional options were discussed and expected outcomes evaluated using the Beaverlodge QSM.

2.1.2 Beaverlodge Path Forward Plan

The Path Forward for moving the decommissioned Beaverlodge properties into IC was developed by evaluating potential remedial activities using a number of criteria. These criteria included expected benefits to the local and downstream environment; predicted capital and operating costs; amount of long-term maintenance/operation required; level of uncertainty regarding technical feasibility, predicted benefits or costs; regulatory requirements; and stakeholder participant support.

In addition to the 2009 and 2012 remedial options workshops, engagement on the remedial options occurred through regular site tours and public meetings that included Uranium City residents, regional rights holders and stakeholders and regulatory agencies.

At the 2012 workshop, rights holders and community stakeholders were provided estimates on the costs, benefits and potential risks associated with a series of potential remedial options, and then were asked to provide their feedback on the reasonability of each option. While the consensus was that “do nothing” was not an acceptable option, it was recognized that those options which may be undertaken should be practical from a cost-benefit perspective. Participants concluded, that, save for some localized benefit of implementing select remedial options, the recovery of the Beaverlodge properties and the receiving environment would continue to be a long-term proposition.

“I attended these as a Fond du Lac NSEQC environment committee appointed representative, as did many other northern residents with various representation throughout the region. Participating was important to me because various stakeholders came together and were engaged, it was not just industry making the decisions in preparing these properties into the IC Program. The process gave me confidence because of the way information was provided, we were able to use our own set of values

and judgements to make decisions of that information. We had opportunities to raise questions and have our concerns addressed. It was not one-sided. I believe this shows Cameco's commitments to those interested engaged and provided meaningful participation on the path forward."

- 2022 Commission Public
Hearing Intervention

Through these initiatives, rights holders and public stakeholders were effectively informed and engaged regarding the future of the Beaverlodge properties. Their input with respect to the remedial options was captured and considered. This feedback influenced decisions made regarding which remedial activities were considered to be both reasonable and supported by stakeholder participants. This engagement process, including the outcomes of the workshops and other initiatives, supported the development of the Path Forward.

Overall, what was heard at the remedial options workshops, aided by the QSM, showed that continued natural recovery, paired with select remedial options was the best way to proceed for the decommissioned Beaverlodge properties. These select remedial options consisted of:

- Completion of a site wide surficial gamma survey and assessment.
- Securing historic mine openings from access.
- Decommissioning of identified boreholes.
- Re-establishment of the Zora Creek flow path.
- Conducting a final inspection and cleanup of properties.

Following the workshops, Performance Objectives and property specific Performance Indicators were established to evaluate the success of Path Forward implementation. The high-level criteria defined as the Performance Objectives are that the properties remain safe for general public access; that they are secure, with confidence that long-term risks have been assessed by a qualified person and are acceptable; that the environmental conditions (e.g. water quality) on and downstream of the decommissioned properties are stable and continue to naturally recover as predicted.

The Path Forward was presented to the Commission at the 2013 relicensing hearing and the Commission granted Cameco a 10-year licence to implement the select remedial options. The Plan also included performance criteria to evaluate the success of remediation prior to the transfer of the properties back to the Province of Saskatchewan.

Following the development of the Path Forward, engagement activities focused on providing updates regarding implementation of the plan, developed in consultation with rights holders and stakeholders, as well as assessments of the relevant performance objectives and property specific performance indicators.

2.1.3 Long-Term Monitoring Plan Workshop and Follow-up Engagement

With the decommissioned Beaverlodge properties progressing to step 5 of the Management Plan and being proposed for release from CNSC licensing and transfer to the IC Program,

Cameco began engagement regarding the Long-Term Monitoring Program (LTMP). The LTMP will be implemented by SkMER to continue monitoring of the properties and areas downstream to see that the Performance Objectives continue to be met.

A technical evaluation was completed by a third-party subject matter expert to support development of a program to monitor long-term trends in surface water quality and fish chemistry. The objectives of the technical evaluation were to define monitoring that would confirm long-term water trends continue to naturally recover as expected and provide information to the SHA to support the ongoing maintenance and eventual removal of the Healthy Fish Consumption Guideline and drinking water advisories. Through this process, the SHA was engaged to ensure the LTMP would provide the information necessary to support those decisions. The CNSC, SkMOE and SkMER reviewed and accepted the technical program as satisfactory for monitoring the long-term water quality trends and fish chemistry.

In addition to the technical evaluation, this monitoring plan was informed by numerous engagement activities that were conducted to obtain knowledge from, but not limited to, members of rights-bearing First Nation and Métis communities in the Athabasca Basin, residents of Uranium City, northern stakeholder organizations, and provincial and federal regulatory agencies on what they view as a reasonable long-term monitoring program based on their personal experience with these areas and the IC Program.

“As indigenous people, we need wild food in our diet and in our bodies. When the mines are done, we need to know that the food around all the areas is safe for traditional use. It is important to the north that the IC Program provides assurances that these properties are decommissioned properly and will never be forgotten in the future. It gives me comfort to know that the monitoring on these properties will continue for future generations.”

- 2022 Commission Public
Hearing Intervention

An in-person workshop was held in June 2023 to exchange information and to invite feedback on the specific aspects of the program, including water monitoring and fish sampling. While there was interest in monitoring water seasonally, the suggested frequency for monitoring ranged from every few months to every few years. The workshop participants suggested a frequency for fish monitoring ranging from annually to every five years with some suggesting monitoring to be adjusted depending on the results. Waterbodies of interest included some relevant to the Beaverlodge properties (Ace Lake, Beaverlodge Lake, Martin Lake, Crackingstone River, Lake Athabasca), as well as some waterbodies not impacted by the former Beaverlodge properties (Bushell Bay, Donaldson Lake, Milliken Lake, Lake Athabasca, and Nero Lake).

Subsequent engagement sessions were held with community representatives that did not attend the June 2023 workshop. These sessions included separate meetings with the MN-S and the MN-S Local #50 President, the ACFN, and AJES, which includes the YNLR. Insights from these meetings also suggested monitoring frequencies and locations that

aligned with the feedback received during the June 2023 Workshop (discussed above).

Following the workshop and subsequent engagement meetings, an updated version of the LTMP that considered both the technical evaluation as well as the feedback received during engagement activities was presented in Uranium City during the September 2023 public meeting, where additional feedback was received from attendees regarding land use. Participants in the 2023 public meeting included residents from Uranium City, ACFN Elders/DLRM, MN-S, MN-S Local #50 president, YNLR representatives, the AJES, the NSEQC and representatives from the other Athabasca Basin First Nations and communities.

As the organizations representing the Athabasca Basin First Nations and communities, Cameco continued to meet with the AJES and YNLR to facilitate their review of the LTMP. In support of that process, a meeting was held in October 2023 to review the technical evaluation that informed the LTMP, feedback provided during the June workshop and subsequent engagement activities, and the updated LTMP.

An additional meeting was held with the AJES, including the YNLR, in March 2024 to review the technical evaluation and the updated LTMP, which incorporated feedback received through the various engagement activities. In advance of the meeting, the LTMP was provided to the YNLR for review. During the meeting, a presentation was provided by the third-party subject matter expert that outlined the technical evaluation used to determine the initial sampling components and frequencies, a summary of community feedback provided through the various engagement activities, and the LTMP that incorporated both aspects. Cameco answered several questions raised during the meeting and encouraged written questions and feedback on the LTMP.

To promote informed discussion, the LTMP was posted to the Beaverlodge website in advance of the May 2024 public meeting in Uranium City. During that meeting, the LTMP was presented to meeting participants that included residents of Uranium City, and representatives from ACFN, MN-S, MN-S Local #50, YNLR, AJES, NSEQC, a Fond du Lac Elder and youth and representation from the other Athabasca Basin First Nations and communities.

Table 2.1 provides a summary of how the proposed frequency of monitoring through the technical evaluation was modified following community engagement and incorporated into the LTMP.

Table 2.1 LTMP Sampling Frequency

Program Component	Technical Evaluation	Community Engagement	LTMP
Water	Every 5 years	Seasonal to every 5 years	Every 3 years, initially
Fish	Every 20 years	Season to every 3 years	Every 10 Years
		Complete baseline fish monitoring program	Completed in 2023

The LTMP provided to SkMER incorporated both the technical program and traditional knowledge received from rights holders and other stakeholders and consists of two components: surface water and fish chemistry monitoring. Changes to this program based on community engagement have resulted in an increase in monitoring frequency from 3 times in the first 15 years to 7 times, as the water quality monitoring frequency is staggered with the physical site inspections.

In addition to water quality monitoring, fish chemistry monitoring will be completed to support the maintenance and eventual removal of the Healthy Fish Consumption Guideline. Sample locations and frequency are detailed in the LTMP (see **Table 2.2** for a summary) and were informed by previous sampling campaigns completed in the region, as well as stakeholder participant feedback. Based on that feedback, fish chemistry sampling will take place every 10 years in Beaverlodge, Martin and Cinch lakes and will be discontinued following removal of the guideline in each location.

Table 2.2 Sampling Locations and Frequency

Sampling Program Component and Locations	Objective	Frequency	Comments
Surface Water			
Ace Creek Watershed (AN-5, DB-6, AC-6A, AC-14)	Confirm that the trends in water quality are recovering, consistent with the understanding in the 2020 ERA	Every 3 years initially ²	Opportunity to decrease frequency after 15 years to sampling every 5 years. ²
Fulton Creek Watershed (TL-3, TL-4, TL-7, TL-9) ¹			Opportunity to decrease frequency after another 15 years to sampling every 10 years. ²
Beaverlodge Lake and Downstream (BL-5, ML-1, CS-1, CS-2)			
Fish			
Beaverlodge, Martin, and Cinch lakes	Support the removal of the healthy fish consumption guideline	Every 10 years	Discontinue after healthy fish consumption guideline removed for Beaverlodge, Martin, and Cinch lakes

¹ Drop upstream Fulton Creek Watershed stations (i.e., TL-3, TL-4, and TL-7) after 15 years if recovering as predicted.

² Program frequency consistent with the surface water program for the Cluff Lake Mine Site for management within the IC Program.

2.1.4 Engagement Strategy

In addition to the Beaverlodge Management Framework, Cameco’s BVL-PIP formalizes the engagement process to ensure that activities or plans are effectively communicated to those in the local vicinity of the properties. While we are the licensee, Cameco will continue to work through the approved BVL-PIP and provide a variety of opportunities for engagement to make information available, elicit feedback and provide a meaningful response to those interested, with respect to the current licence revocation request.

Cameco has long-standing relationships with residents of the Athabasca Basin and the broader NAD. The NAD is a large region with a dispersed population and many traditional and resource-based land users. The population of the NAD is approximately 36,500, including people of First Nation (Dene and Cree), Métis and non-Indigenous origin. A variety of well-developed tools are used to communicate with northern residents, as detailed in the public disclosure protocol for the decommissioned Beaverlodge properties which is available on the Beaverlodge website. While traditional media and evolving social media formats are used, the heart of Cameco’s engagement efforts in northern Saskatchewan continues to be through face-to-face interactions.

Cameco uses a range of communication tools to keep those interested informed about the decommissioned Beaverlodge properties. This is outlined in the Public Disclosure Protocol, which is posted to the Beaverlodge website. This ongoing commitment to keep northern Saskatchewan informed of Cameco’s activities at the properties includes annual meetings, site tours/visits, fact sheets, posters, newsletter/magazine content, virtual tour, presentations,

and a specially-purposed website (www.beaverlodgesites.com). In an effort guided by continuous improvement, translations were added to the Beaverlodge specific website in 2021. Meeting summaries and/or presentations are also provided in the corresponding Annual Report.

A public meeting has been held annually in-person in Uranium City, or virtually, to review the results of any activities completed since the previous meeting and to preview plans, activities, or studies for the upcoming year. The annual meeting provides an opportunity for Cameco to engage with local residents, rights holders and interested community stakeholders regarding the plan and schedule for transferring the properties to the province of Saskatchewan's IC Program.

Face-to-face engagement is Cameco's preferred method of engagement, whenever possible, as it provides the best measure of the perceptions and opinions of the target audience. However, during the COVID-19 pandemic, Cameco adapted its engagement strategy and continued to provide opportunities to share information and elicit feedback from interested groups virtually. This included hosting the 2020 and 2021 annual public meetings virtually. These meetings were translated to Dené and both the English and Dené versions were posted to the Beaverlodge website.

Virtual tour videos were also created and shared with those interested to help people reconnect with the land around the decommissioned properties during the pandemic when 'boots on the ground' tours were not possible, and to see areas that are not easy to access. Drone footage of the properties was used to create the 2020, 2021 and 2024 virtual tour videos, which included perspectives from local community members.

The virtual public meetings and property tours were recorded and posted to the Beaverlodge website with links provided to meeting participants and invitees. Once safe to do so, following the pandemic, face-to-face engagement activities resumed.

3.0 ENGAGEMENT ACTIVITIES RELATED TO THE 2025 HEARING

During Cameco's engagement activities in 2023 and 2024, general themes of discussions with rights holders and community stakeholders covered the proposed transfer of the remaining 27 decommissioned Beaverlodge properties into the provincial IC Program, the inspection, maintenance and continued monitoring of the sites once the SkMER takes over responsibility, and the water advisories and fish consumption guidelines in place in the Uranium City area. Information was provided at in-person meetings and site visits, in brochures, newsletters, posters as well as an updated virtual tour video. In addition, representatives from the CNSC, SkMER and SkMOE were invited to all Uranium City public meetings and the June 2023 LTMP workshop to provide information on the regulatory processes and respond to questions.

Cameco provided additional details to address questions that were raised during engagement activities, including timelines associated with the proposed transfer of the remaining 27 properties into IC Program, as well as providing an in-depth description of the continued site inspections, maintenance and monitoring of the properties by the SkMER. This included information on the LTMP and how the water and fish advisories will be routinely reviewed and assessed to determine when they may be able to be lifted.

A summary of current and historical engagement activities related to the decommissioned Beaverlodge properties conducted by Cameco with the rights holders, and community stakeholders since 2009 is provided in **Appendix 1**.

3.1 2023 Engagement Activities

The initial Beaverlodge Indigenous Engagement Report issued on December 9, 2022, provided a summary of Cameco's engagement activities with Indigenous groups and members of the public regarding the requested two-year licence renewal. This section summarizes Indigenous engagement activities that have taken place since the report was issued.

Cameco's engagement process for the decommissioned Beaverlodge properties is to update interested Indigenous groups and other parties on the proposed transfer of properties into the IC Program and upcoming plans proposed for the following year at the annual public meeting. This is in addition to a variety of ad hoc engagement methods throughout the year (e.g., articles, meetings).

Discussion on the two-year license renewal, to prepare the documentation to support the final release of the Beaverlodge properties from licensing, was undertaken at the February 6, 2023, quarterly AJES meeting in Stony Rapids. Cameco provided information on the request to release the remaining properties from the CNSC licensing and their proposed transfer to the provincial IC Program. Cameco also provided background on the development of the technical evaluation of the LTMP, and the plan for a workshop in June 2023 to exchange information and to invite feedback on the specific aspects of the program. Participants included representatives from Uranium City, Stony Rapids, Hatchet Lake First

Nation, Fond du Lac First Nation, Black Lake First Nation, as well as the YNLR Executive Director, a Uranium City Land Technician and the Manager of Environment with the YNLR.

On June 19, 2023, a workshop was held to exchange information regarding the status of decommissioned Beaverlodge properties and provide an opportunity for local land users to help shape the development of the LTMP, which will be implemented by SkMER under the provincial IC Program. Discussion included water and fish monitoring locations and frequencies as well as potential road closures and fish advisory notice posting locations. Workshop participants included Uranium City residents, land and resource users, NSEQC representatives, Fond du Lac Elders, youth and Chief and Council, YNLR, Ya'thi Néné Board, MN-S, AJES representatives from Uranium City, Fond du Lac, and Black Lake, NSEQC, and Cameco/Orano community relations liaisons, who are a key point of contact in their local communities. Representatives from SkMER, SkMOE and the CNSC were also in attendance.

Cameco continued its engagement on the LTMP during a meeting with the MN-S Director of Environment and the Northern Region #1 Director on August 1, 2023. The history of the decommissioned properties was reviewed and the plan to release the final set of 27 decommissioned properties into IC was discussed. Continued discussions also included the process of developing the LTMP for the IC Program.

Cameco, the MN-S Director of Environment and the Uranium City MN-S Local #50 President met in-person (Saskatoon) on August 31, 2023, to receive insights from the Métis Local #50 related to planned monitoring of the decommissioned Beaverlodge properties when transferred to IC Program. Discussions focused on the LTMP in addition to road closures, general information sign locations and fish advisory sign locations.

On August 31, 2023, Cameco personnel discussed the development of the LTMP with the ACFN and their DLRM office. A summary of the ACFN led community interviews was provided to Cameco in October 2023, and the information was incorporated into the development of a LTMP.

The 2023 annual public meeting was held in Uranium City on September 11 and 12. Discussions focused on sharing, with rights holders, local land users and other stakeholders, the information being used to support the release of the final set of 27 decommissioned Beaverlodge properties from CNSC licensing and transferred to the IC Program.

As part of the meeting, SkMER provided an overview of the IC Program, how it works and the benefits of the program. IC inspections for properties previously transferred to the IC Program have all been completed on time, with no public safety or environmental concerns identified. The next IC inspections are scheduled to occur in 2024. The SkMOE provided an overview of the process followed to determine if a site has been adequately remediated to facilitate a transfer to the IC Program.

Cameco provided an update regarding the Beaverlodge Path Forward status and the plan to transfer the final set of decommissioned properties to the IC Program by 2025. The

presentation also included information regarding the development of the LTMP and the physical inspections that will be required to assess the properties once transferred to the IC Program. Cameco provided an overview of the performance indicators that are relevant for assessing the final set of properties to determine if they meet the performance objectives, thus their eligibility to be transferred to the IC Program. During this meeting Cameco sought feedback from land-users regarding their use of local access roads while conducting traditional activities.

The CNSC provided an update discussing their process for evaluating a site's eligibility for release from CNSC licensing as well as the expected timelines for a hearing regarding the final 27 Beaverlodge properties. Information was also provided about the recently completed Independent Environmental Monitoring Program (IEMP) that the CNSC completed in the Uranium City area, with involvement from local land-users.

Participants in the 2023 public meeting included residents from Uranium City, ACFN Elders/DLRM, MN-S, MN-S Local #50 president, YNLR representatives, the AJES, the NSEQC and representatives from the other Athabasca Basin First Nations and communities. A factsheet was provided (Appendix 2) and presentations were provided by the CNSC, SkMOE, as well as the SkMER. A representative from the SHA was also in attendance. No questions or concerns were raised regarding the current application.

On October 13, 2023, Cameco met with representatives from the YNLR to continue discussions on the LTMP. On November 14 and 15, 2023, Cameco provided updates on the Beaverlodge properties at the quarterly NSEQC meeting. Discussion focused on decommissioning, the IC Program and the final release of the properties. Cameco also provided an update at the quarterly AJES meeting on November 30, 2023. Discussion included the two-year license extension, the request to release the remaining properties from CNSC licensing, with transfer to the IC Program, and the development of the LTMP for the properties in IC.

3.2 2024 Engagement Activities

Cameco provided an update on the decommissioned Beaverlodge properties at the February 9, 2024, quarterly AJES meeting. Discussion focused on decommissioning, the LTMP, the provincial IC Program, and the final release of the properties into IC. Information on the CNSC participant funding program and the deadline for interventions was also provided.

Cameco provided an update on the decommissioned properties at the February 27, 2024, NSEQC meeting. The formal request for a hearing regarding the release of the remaining 27 decommissioned properties, and participant funding opportunities was discussed. The LTMP, IC Program, and the planned spring public meetings in Uranium City were also discussed.

During the March 27, 2024, quarterly AJES meeting, Cameco provided a presentation on the Beaverlodge LTMP, including background on the technical evaluation used to derive components of the program and how community feedback was incorporated. As the organization representing the Athabasca Basin First Nations and communities, the YNLR

was provided with a copy of the LTMP in advance of the meeting. The presentation provided an overview of the technical evaluation, feedback received through engagement activities, and the resulting LTMP. Questions were answered during the meeting, and written feedback on the LTMP was encouraged.

The 2024 annual public meeting was held on May 27 and 28, 2024. Cameco provided an update during the meeting on a number of activities, including the proposed transfer of properties to the IC Program, performance indicators and evaluation, an overview of the remaining properties, regulatory timelines, monitoring in the IC Program (LTMP), other monitoring that occurs in the region (e.g. CBEMP, EARMP) and other ongoing engagement activities. Information was also provided on the regulatory timelines, including the planned January 2025 Commission hearing, the deadline to apply for participant funding and the deadline to submit interventions.

During the public meeting, presentations were also provided by the CNSC, SkMOE, SkMER and the SHA. The CNSC presentation focused on providing information regarding the hearing process and the opportunity for intervenors to participate and potentially receive funding for the hearing planned for January 2025. The CNSC also provided detail of the IEMP completed in the Uranium City and Camsell Portage areas in 2023 and discussed some preliminary results of the program. The SkMOE presentation focused on the process followed by the Ministry for removing the surface lease on the properties allowing the properties to be transferred to the IC Program. The SkMER provided an overview of the IC Program, as well as its current and future work. The future work includes conducting the regulatory scheduled IC inspection of previously transferred properties in 2024. The SkMER discussed the schedule of upcoming inspections and how people could be involved in the inspections.

The SHA provided a presentation of their interpretation of historical and recent fish chemistry results. The SHA was interested in receiving feedback from the local land users regarding the Healthy Fish Consumption Guideline and whether the community wanted to see the guideline updated to be more specific regarding the number of fish that could be consumed on each body of water listed in the guideline. Meeting participants confirmed they are not consuming fish from these locations, and given that, did not recommend any changes to the current Healthy Fish Consumption Guideline at this time

Participants in the 2024 public meeting included residents of Uranium City, representatives from ACFN, MN-S, MN-S Local #50, YNLR, AJES, NSEQC, a Fond du Lac Elder and youth and representation from the other Athabasca Basin First Nations and communities. A fact sheet was provided, and a copy is included in Appendix 2. As with the previous site visits, tours and meetings, no questions or concerns were raised regarding the current application.

Following the public meetings on May 27 and 28, a site visit to Fookes Delta was provided. The attendees of this site visit included the MN-S and representatives of the YNLR, NSEQC, AJES, ACFN Elders/DLRM and representatives from the other Athabasca Basin First Nations and communities, as well as interested community members. To show respect and

acknowledgement of the lands, the people, the traditional territory and Métis homeland, before starting the May 27 site visit, a drum ceremony was performed by a youth drummer and Elder from Fond du Lac First Nation, and a tobacco offering was made.

On June 4, 2024, Cameco provided information on the release of the remaining 27 decommissioned properties and revocation of the CNSC license, the LTMP and the scheduled Commission hearing to the NSEQC in La Ronge. Information regarding the requested release and the December 10, 2024, deadline for interventions was also discussed.

An update on the plan to release of the remaining 27 decommissioned properties and revocation of the CNSC license, the LTMP and the Commission hearing date of January 30, 2025, was provided to the AJES on June 25, 2024. Information regarding the hearing and the December 10, 2024, deadline for interventions was also discussed.

Cameco provided an update on the planned release of the 27 remaining decommissioned properties from CNSC licensing and transfer into IC Program at the September 24, 2024, quarterly AJES meeting. Discussion was also provided on the continuation of monitoring of the properties in IC under SkMER through the LTMP and the December 10, 2024, deadline for interventions.

Cameco participated in the Athabasca Basin Community Tour from October 1 to 4, 2024. The tour included meetings in the communities of Uranium City, Stony Rapids, Wollaston Lake, as well as the First Nation communities of Fond du Lac, Black Lake, and Hatchet Lake. In each community, Cameco provided an update on the planned release of the 27 remaining decommissioned properties from CNSC licensing and transfer into the provincial IC Program. Discussion was also provided on the continuation of monitoring of the properties in IC under SkMER through the LTMP and the December 10, 2024, deadline for interventions.

The community visits were attended by local leadership and representatives of the YNLR, AJES, NSEQC, MN-S, MN-S Local, and the MN-S Local #50 president (Uranium City). The attendees also included representatives from the other Athabasca Basin First Nations and communities, as well as interested community members and the Cameco/Orano community Liaisons. In most communities, the day commenced with a drum ceremony, a prayer from an Elder, opening remarks from leadership, a closing prayer, and a tobacco offering was made.

In 2024, the Beaverlodge website was updated to include additional details and resources on the Management Framework, the 2025 licence hearing, regional monitoring programs, and the process to transfer the remaining decommissioned properties into the provincial IC Program.

In addition, the virtual tour video (with Dené translation available) was updated in 2024 to include current information on the Beaverlodge properties and the proposed transfer of the remaining 27 decommissioned properties into the provincial IC Program. A Dené translation of the virtual tour video is available on the [Beaverlodge website](#).

In late September 2024, the YNLR provided written comments and recommendations regarding the Beaverlodge LTMP. Cameco plans to host a meeting with YNLR representatives in October, and the third-party subject matter expert who developed the LTMP. During the meeting, the YNLR comments will be discussed, which will be followed by a written response.

3.3 What We Heard

During engagement activities related to the remaining 27 decommissioned properties, community members and other interested parties have raised questions that Cameco has addressed. A summary of the comments received, in relation to the January 2025 hearing, are outlined below.

'Boots on the Ground' Property Tours

Following the 2019 Commission hearing to remove 20 properties from CNSC licensing, it was recognized that rights holders and stakeholders were interested in walking the land and seeing the properties firsthand. In response, a 'boots on the ground' tour of various properties was added to each of the subsequent Beaverlodge public meetings. These tours enabled attendees to have a physical interaction with the decommissioned properties.

Tour attendees have included the MN-S Local # 50 President, the local representative from the YNLR, representatives from AJES, the ACFN and DLRM as well as interested community members. To facilitate and encourage discussion, a summary booklet of the properties was prepared and distributed to participants prior to walking the properties. During the tours, Cameco and regulatory representatives were available to answer questions.

During the Covid-19 pandemic, a virtual tour, available in Dene and English, was shared to allow for virtual participation. In person property tours resumed in 2022 and continue to be a key part of the annual Beaverlodge public meetings.

Fookes Delta

In response to community questions asked in 2021 related to hunting and eating moose that may graze on plants growing on the Fookes Delta, a sampling program was completed that involved community youth in sample collection. The program involved fecal pellet and browse surveys, a trail camera study, and vegetation sample collection. Working closely with third-party subject matter experts, Cameco completed the Fookes Delta Community Based Program in 2021.

The monitoring program demonstrated that it remains safe to eat moose that use, or eat vegetation from, the Fookes Delta. The conclusion was consistent with regional country foods assessments as well as the 2020 ERA that concluded that living a traditional lifestyle and consuming country foods from the Beaverlodge area, while respecting the water and fish advisories, can continue to be done safely. The report detailing the methods and findings of this program was submitted to SkMOE and the CNSC in 2021 and results were

shared with community members at the Beaverlodge Public Meeting, and no further questions were raised.

Performance Objectives

In an intervention filed for the 2022 Commission hearing related to the removal of 18 decommissioned properties from the CNSC licence, the YNLR raised a concern with the use of the term ‘safe’ when speaking of the decommissioned properties, given the presence of the Healthy Fish Consumption Advisory in Martin, Beaverlodge, and Cinch lakes. In response to these comments, the use of the term has focused on the established performance objectives of being “safe, secure, and stable/improving”. In this context, the term applies to the physical and radiological safety of the decommissioned properties and their suitability for unrestricted public access.

Drinking water and fish consumption advisories are currently in place to manage remaining residual environmental risk associated with the decommissioned properties and areas downstream. Previous country food studies have indicated that community members are not consuming fish from these locations. During a presentation given by the SHA in the May 2024 public meeting, community members reaffirmed this position and indicated that people are not consuming fish from these locations.

Cameco has clarified during public meetings and in one-on-one discussions that the use of the term ‘safe’ is meant to refer to the performance objectives, namely the physical safety of the properties (E.g., waste rock pile stability). Documents submitted in support of the 2025 Commission hearing have incorporated this feedback, and clarification was added to the Cameco CMD to emphasize the properties are radiologically and physically safe and suitable for unrestricted public access.

Baseline Fish Chemistry Program

During the 2023 LTMP workshop, and the subsequent engagement sessions, participants recommended that a baseline fish chemistry study be completed to enable a comparison of future fish chemistry results in Beaverlodge, Martin and Cinch lakes.

In response to this recommendation, monitoring was completed by a third-party subject matter expert in September 2023, with the participation of a YNLR land technician. Program components were discussed with the SHA in advance of the monitoring to ensure the results provided a suitable baseline for comparison. Results from the program were provided to the SHA in April 2024, and subsequently presented by the SHA during the May 2024 public meeting.

Long-Term Monitoring Program

Cameco had heard questions regarding the opportunity for local communities to participate in the LTMP and plans regarding future engagement activities. While the management of

the LTMP is at the discretion of the SkMER, funding will be provided to enable the involvement of local communities or other interested parties, including the YNLR.

Funding will also be provided to enable the SkMER to continue engagement related to the decommissioned properties, including the presentations pertaining to the physical inspections of the properties and monitoring results from the LTMP.

Fort Chipewyan Forestry Dock

During the 2019 Commission hearing, ACFN representatives raised questions regarding the Forestry Dock in Fort Chipewyan. Following the hearing, Cameco initiated an investigation into the Forestry Dock, which confirmed there was no record of any Beaverlodge-related material being barged along the Northern Transportation Route, which included Fort Chipewyan.

A memorandum detailing the findings of the investigation was provided to CNSC staff on January 22, 2020, who provided it to the ACFN.

Other

In 2022, a question was raised by the YNLR regarding the historical remediation of flowing boreholes on properties adjacent to those that entered the IC Program in 2019. In response to these questions, a site visit was conducted in 2022 with a YNLR community land technician to see the remediated boreholes and to address any remaining questions. No additional questions were raised.

In early 2024, the YNLR raised a question regarding the condition of the stainless-steel caps in place at the Beaverlodge properties. While the properties in question are already in the IC Program, in July 2024 Cameco and the design engineer inspected all stainless-steel caps to ensure they were performing as expected. While in Uranium City, a site visit was arranged with the YNLR land technician to visit the shaft caps to ensure all questions had been adequately addressed. The design engineer confirmed the shaft caps were performing as expected, and no additional questions regarding the shaft caps were raised.

Cameco is committed to our engagement and keeping rights holders, stakeholders, local community members and other interested groups informed. Cameco has continuously adapted our engagement approach, continued to provide opportunities for dialogue and discussion, and responded to questions and comments received.

4.0 PLANNED INDIGENOUS ENGAGEMENT ACTIVITIES

Cameco is committed to our engagement activities and keeping those interested informed. In accordance with the approved BVL-PIP, Cameco's engagement activities will continue to provide opportunities for open dialogue and discussion.

In addition to the engagement activities completed throughout the licence term, Cameco will continue to discuss information pertaining to the proposed transfer of the remaining 27 decommissioned properties into the provincial IC Program during the scheduled fourth quarter AJES and NSEQC meetings.

Details and key dates associated with the public hearing scheduled for January 30, 2025, participant funding opportunities for those interested in participating in the hearing process, and the deadline for interventions were included in the Spring YNLR newsletter.

In late September 2024, the YNLR provided written comments on the Beaverlodge LTMP. Cameco plans to host a meeting with YNLR and the third-party subject matter expert who developed the LTMP in October 2024, to provide responses to the questions raised. Following the meeting, Cameco will provide a written response to the YNLR.

Additional engagement activities may be undertaken, as required.

Following transfer of the remaining 27 properties to the provincial IC Program, funding will be in place for SkMER to continue with monitoring, maintenance and engagement activities related to the Beaverlodge properties.

4.1 Interim Reporting Schedule

An Indigenous Engagement Report was prepared previously in support of the 2023 licence renewal. On February 5, 2024, Cameco submitted a formal hearing request for the final set of Beaverlodge properties to be released from CNSC licensing and for the Waste Facility Operation Licence to be revoked.

Following licence revocation, it is anticipated that reporting to the CNSC on Indigenous engagement activities will not be required by Cameco

5.0 CLOSING

Cameco has developed long-standing relationships with communities in the Northern Administrative District. Engagement activities associated with the decommissioned Beaverlodge properties occur formally through Cameco and government-sponsored committees, meetings with local communities or elected representatives, and informally through various activities including, but not limited to, site tours, community visits, newsletters, and public information sessions.

Engagement activities are targeted towards rights-bearing First Nation and Métis communities of the Athabasca Basin in the vicinity of the decommissioned Beaverlodge properties. Cameco builds strong relationships in the north through its northern strategy and its commitment to maintaining open channels of communication. The Beaverlodge PIP was developed to assist in ensuring that Cameco's activities at the decommissioned properties are efficiently communicated to the public in a manner that complies with established regulations.

The extensive history of engagement activities associated with the decommissioned Beaverlodge properties ensures that First Nations and community needs and preferences are at the forefront of the decision-making processes. The approach leads to more effective and sustainable outcomes, which has positioned Cameco well for a successful transfer of the remaining properties to the provincial IC Program.

APPENDIX 1

SUMMARY OF CURRENT AND HISTORICAL ENGAGEMENT ACTIVITIES

Through these initiatives, rights holders, community members and public stakeholders were informed and engaged regarding the future of the decommissioned Beaverlodge properties. Their concerns and feedback influenced decisions made regarding which remedial activities were considered to be both reasonable and socially acceptable. The engagement process, including the outcomes of the workshops and other initiatives supported development of the Path Forward. Rights holders and stakeholders have been engaged throughout the implementation of the Path Forward and their feedback has been incorporated into the long-term monitoring plans to be implemented once the properties have been transferred to the IC Program. Engagement opportunities have increased over time as AJES and NSEQC meetings moved to a quarterly frequency, the YNLR newsletter was established and access to online content in the north expanded with infrastructure improvements.

Table 1 provides a summary of the current and historical engagement activities related to the development and implementation of the Beaverlodge Management Framework and Path Forward.

Table 1- Summary of Current and Historical Beaverlodge Engagement Activities

Date	Community/Interest Group	Comment
June 17 and June 18, 2009	Representatives from Uranium City (including youth, Elders and Leadership), the MN-S, AWG, the NSEQC representing Fond du Lac First Nation, Hatchet Lake First Nation, Stony Rapids, and Uranium City	Remedial Options Workshop - introduction to the site, developing a common understanding, identification of methods, develop scenarios, assess scenarios, identify info gaps, design, and prioritize studies. This workshop set the stage for numerous studies that were incorporated into the development of the Beaverlodge Quantitative Stie Model, the tool that would be used to assess potential remedial options at future workshops and development of the Beaverlodge Path Forward.
May 20, 2009	Representatives from Uranium City and Fond du Lac First Nation,	Annual Public Meeting/Site Tour. Communicate the results of the 2009 CNSC meeting, update the community and EQC on issues around the BVL properties and to organize an advisory group of Uranium City residents to work with Cameco to develop a remedial management plan.
October 7, 2009	NSEQC	NSEQC Meeting/Site Tour. Discussion on 2009 activities, the IC Program, results from the remedial options workshop, the decision-making flowchart and future planning.
May 31, 2010	Representatives from Uranium City	Annual Public Meeting/Site Tour. Presented a history of Beaverlodge properties and results from the remedial options workshop.
July 13, 2010	Representatives from Uranium City	Year 1 Country Foods program meeting. The Country Foods program was implemented because of questions by local residents regarding the safety of consuming country foods in the vicinity of Uranium City. Purpose of the meeting was to describe the long-term objectives of the study, identify the foods potentially harvested by residents, explain the interview process and questionnaire form, and meet local residents. The results of this study provided information on the current and future use of the land that was considered when establishing the performance indicators applicable to the properties.
October 6, 2010	AWG	AWG Meeting. Presented history, transition phase monitoring, IC Program and management framework.
December 10, 2010	NSEQC	NSEQC Meeting/Site Tour. Provided an overview of the Beaverlodge history, provided an update of 2010 activities and presented the Beaverlodge Management Framework and how it would be used to assess the properties as they are prepared for transfer to the IC Program
June 6, 2011	AWG, representatives from Uranium City	Public Meeting/Site Tour. Presentation was provided regarding the status of the studies planned following the 2009 remedial options workshop. These studies

		were being completed to aid in the development of the Beaverlodge Quantitative Site Model. In addition a presentation summarizing the Year 1 results of Country Foods program was provided. Residents were encouraged to provide feedback on the results at the meeting. Short follow-up interviews were conducted to gather more detailed information on the quantity and the locations of country foods harvested on the former Beaverlodge properties. During this visit, community members who were interested in taking part in the summer and fall sample collections for Year 2 of the program met with the project manager from CanNorth to discuss the project in more detail.
September 27, 2011	EQC, representatives from Uranium City	Public Meeting/Site Tour. Provided a history and background of Beaverlodge, discussed the management plan, provided a summary of 2011 activities being completed as part of the Beaverlodge Management Framework following the 2009 remedial options workshop. Water quality results were also provided as well as a list of planned activities.
December 8, 2011	AWG, representatives from Uranium City, Fond du Lac First Nation, Hatchet Lake First Nation, Black Lake first Nation, Wollaston Lake, Stony Rapids, Camsell Portage	AWG meeting. Discussed 2011 activities being completed as part of the Beaverlodge Management Framework and activities planned for 2012. Beaverlodge fact sheet was distributed.
April 3 and 4, 2012	Representatives from Uranium City (including youth, Elders, and leadership), and the NSEQC representing the Athabasca communities and First Nations	Remedial Options Workshop. Objective: Obtain informed, clear, and documented feedback about the predicted benefits and estimated costs of a range of remediation options, from a cross-section of stakeholders and rights holders. Participants were provided opportunity to suggest remedial options to be assessed through the Beaverlodge QSM modelling tool. Participants were presented with information (such as expected environmental benefit and cost) and asked for their feedback regarding potential remedial options, in a way that allowed them to judge the potential remedial options using their own set of values and judgement, based on their lived experience with Beaverlodge.
June 4, 2012	Representatives from Uranium City, AWG	Public Meeting/ Site Tour: Discussed the Beaverlodge Management Framework and the status of implementation following the Remedial Options Workshop. The conclusion of the country foods study was that country foods harvested in the Uranium City area do not pose a health risk to residents, provided the SHA guidelines for fish are followed, CNSC hearing planned for Oct 2012 requesting 10-year licence to implement a remediation plan, with the goal of transferring properties to the IC Program. SHA provided an update on regional health studies.
September 25, 2012	NSEQC	NSEQC Meeting/Site Tour: Presentation provided water quality results as well as the results of the Country Food Study. Summarized the findings from the Remedial Options Workshops. Presented the Path Forward based off feedback received during the Remedial Options Workshops. Beaverlodge re-licensing hearing scheduled for 2013 requesting 10-year licence to develop and implement remedial options, with the goal of transferring the properties to the IC Program.
January 15, 2013	AWG, NSEQC, Representatives from Uranium City, Stony Rapids, Fond du Lac First Nation, Black Lake First Nation, Hatchet Lake First Nation	Public Meeting: Reviewed the management framework and presented the Path Forward and performance objectives regarding additional remediation of the decommissioned Beaverlodge properties.
February 6, 2013	Saskatchewan Environmental Society	Reviewed the management framework and presented the Path Forward and performance objectives regarding additional remediation of the decommissioned Beaverlodge properties.
February 20, 2013	AWG, Representatives from Fond du Lac First Nation, Hatchet Lake First Nation, Black Lake First Nation, Uranium City, Stony Rapids, Wollaston Lake	AWG meeting in Prince Albert. Update on Beaverlodge public hearing.
September 24, 2013	NSEQC meeting with representatives of Uranium City, Hatchet Lake First	Beaverlodge update, including an update regarding the Beaverlodge Management Framework, a summary of the Remedial Options Workshop, and introduced the Path Forward and related Performance Indicators. The meeting also included a

	Nation, Fond du Lac First Nation, Black Lake First Nation, Stony Rapids	summary of April 4, 2013 hearing that granted a 10 year licence to Cameco to implement the Path Forward to prepare the sites for release from CNSC licensing in and transfer to the IC Program.
December 11, 2013	AWG, Representatives from Uranium City, Hatchet Lake First Nation, Fond du Lac First Nation, Stony Rapids	AWG meeting in Prince Albert. Beaverlodge update and discussion around creek diversion.
February 26, 2014	NSEQC	Discussion on the history, the Beaverlodge management framework, and the path forward for managing the site, with the goal of transferring the property to IC.
June 16, 2014	Representatives from Uranium City	Presentation focused on the path forward for re-establishing Zora Creek and the associated road closures to allow this work to proceed safely. Also discussed other path forward projects being implemented in 2014 (gamma, crown pillar assessment, assess mine openings).
October 8, 2014	NSEQC	Presentation included background information as well as current and future activities occurring on the site. Provided an update regarding the path forward. Activities discussed included the re-establishment of Zora Creek, the site-wide gamma survey, locating and assessing the mine shaft caps, and assessment of crown pillars.
December 12, 2014	AWG, Representatives from Uranium City, Hatchet Lake First Nation, Fond du Lac First Nation, Stony Rapids	Provided an update on the Beaverlodge management framework and the progress related to implementation of the Path Forward, focusing on the Bolger Stream Reconstruction project, the crown pillar stability assessment, as well as locating and assessing the mine shaft caps.
February 19, 2015	AWG/AJES, Representatives from Uranium City, Hatchet Lake First Nation, Fond du Lac First Nation, Wollaston Lake, Stony Rapids	AWG/AJES Meeting. Presentation on the current and future activities at the Beaverlodge sites, including an update on the work to re-establish Zora Creek and remediation and monitoring activities.
May 19, 2015	Representatives from Uranium City, Hatchet Lake First Nation, Stony Rapids, Black Lake First Nation, Fond du Lac First Nation,	Public Meeting/ Site Tour: Provided an update regarding the implementation of the Path Forward and the progress through the Beaverlodge Management Framework. Focused on the assessment of Crown Pillars and the Bolger Stream Reconstruction. Also discussed plans to prepare 15 properties for transfer to IC and future planned site activities as part of the Path Forward.
May 26, 2015	NSEQC	Summary provided to all members regarding the work to re-establish Zora Creek and remediation and monitoring activities.
September 20, 2016	Representatives from Uranium City	Public Meeting/ Site Tour: Provided an update regarding progress on the Beaverlodge Management Framework and the implementation of the Path Forward. Also discussed the plans for transferring some of these properties to the provincial IC Program. Reviewed the plan and schedule for transferring all properties to IC by the end of the licence term (2023).
October 26, 2016	YNLR, Representatives from Uranium City, Camsell Portage, Wollaston Lake, Stony Rapids, Hatchet Lake First Nation, Fond du Lac First Nation	Quarterly AJES Meeting.
December 1, 2016	YNLR, Representatives from Uranium City, Camsell Portage, Wollaston Lake, Stony Rapids, Hatchet Lake First Nation, Fond du Lac First Nation	AJES Meeting. Discussed Beaverlodge engagement plans for 2017.
January 13, 2017	YNLR	Ad Hoc Meeting with new YNLR Executive Director. History of Beaverlodge and overview of the IC and plans for release.
May 30, 2017	YNLR, Representatives from Uranium City, Hatchet Lake First Nation, Fond du Lac First Nation	Public Meeting. Overview of the IC Program, how it was developed and the benefits of the program. Provided an update regarding the progress on the Beaverlodge Management Framework and the implementation of the Path Forward and the related Performance Objectives and Indicators. Discussed the plans for the release of 14 properties to IC and the planned schedule for releasing the remaining Beaverlodge properties to IC during the current licence term.

November 13, 2017	AJES, YNLR, Representatives from Uranium City, Camsell Portage, Wollaston Lake, Stony Rapids, Fond du Lac First Nation	Quarterly AJES meeting. Engagement plan discussion which included Beaverlodge.
May 29, 2018	Representatives from Uranium City, NSEQC	Public Meeting/ Site Tour. Discussed the progress on the Beaverlodge Management Framework and the implementation of the Path Forward and the related Performance Objectives and Indicators. Reviewed the plan to transfer 20 properties to IC and the schedule for transferring all properties by 2023.
June 6, 2018	YNLR, Representatives from Uranium City, Fond du Lac First Nation	Workshop. Interactive workshop with Athabasca Basin communities - from the beginning of mining to the end. Province of Saskatchewan presented on the IC Program and Beaverlodge was discussed.
November 28, 2018	NSEQC	NSEQC Meeting. Discussed the progress on the Beaverlodge Management Framework and the implementation of the Path Forward and the related Performance Objectives and Indicators. Reviewed the plan to transfer 20 properties to IC and the schedule for transferring all properties by 2023.
June 4, 2019	NSEQC representatives, AJES, YNLR, Representatives from Uranium City, Fond du Lac First Nation	Public Meeting. Discussed the progress on the Beaverlodge Management Framework and the implementation of the Path Forward and the related Performance Objectives and Indicators. Provided information regarding the October 2019 CNSC hearing to release 20 properties from CNSC licensing, to allow transfer to the IC Program. Provided information on how people or groups could intervene in the CNSC hearing process. Discussed the remaining site activities as part of the Path Forward and the schedule for transferring properties to the IC Program. by 2023.
July 9, 2019	NSEQC	NSEQC Meeting. Discussed Beaverlodge Management Framework, Path Forward and Performance Objectives and Indicators. Reviewed current plan to transfer properties at hearing in October 2019 and schedule for transferring all properties by 2023. Discussions focused on the request to release 20 of these properties from CNSC licensing and how all the Performance Indicators have been met.
August 22, 2019	YNLR	Ad Hoc Meeting: Ad Hoc Meeting with YNLR Executive Director. History of Beaverlodge and overview of the IC and plans for release.
September 4, 2019	YNLR, Representatives from Uranium City, Camsell Portage, Wollaston Lake, Stony Rapids, Hatchet Lake First Nation, Fond du Lac First Nation	Ad Hoc Meeting. Provided information to Basin leadership and YNLR regarding the October 2019 CNSC hearing to release 20 properties from CNSC licensing, to allow transfer to the IC Program. Reviewed the process for assessing the properties and showed that the performance indicators and objectives have been met. Discussed the schedule for transferring the remaining properties to the IC Program by 2023
December 5, 2019	AJES, YNLR, Representatives from Uranium City, Camsell Portage, Wollaston Lake, Stony Rapids, Hatchet Lake First Nation, Fond du Lac First Nation	Quarterly AJES meeting. Engagement plan discussion which included Beaverlodge. Discussion of 2019 engagement and plans for 2020.
April 22, 2020	AJES, YNLR, Representatives from Uranium City, Camsell Portage, Wollaston Lake, Stony Rapids, Hatchet Lake First Nation, Fond du Lac First Nation, Black Lake First Nation	Quarterly AJES meeting. Engagement plan discussion which included Beaverlodge.
June 29, 2020	AJES, YNLR, Representatives from Black Lake First Nation, Hatchet Lake First Nation, Fond du Lac First Nation	Quarterly AJES meeting. Engagement plan discussion which included Beaverlodge.
Summer 2020	YNLR Newsletter	Beaverlodge update, notes that Cameco is initiating the process for release of Stage 3 properties in 2021.
September 10,	AJES, YNLR,	Quarterly AJES meeting. Engagement plan discussion which included

2020	Representatives from Uranium City, Camsell Portage, Wollaston Lake, Stony Rapids, Hatchet Lake First Nation, Fond du Lac First Nation	Beaverlodge.
November 13, 2020	All	Online Content (e.g., social media, website). The invite for the 2020 public meeting was made public on the YNLR's social media channel to help promote the event.
November 18, 2020	Uranium City residents, AJES - YNLR, representatives from Uranium City, Camsell Portage, Wollaston Lake, Stony Rapids, Hatchet Lake First Nation, Fond du Lac First Nation, Black Lake First Nation	Public Meeting/Virtual Site Tour: Discussed development of the Beaverlodge Management Framework and engagement activities that went into developing the Path Forward and Performance Objectives and Indicators. Provided an update regarding the remaining site activities related to the implementation of the Path Forward. Reviewed current plan to release 18 properties at hearing in 2022 and schedule for releasing all properties by 2023. Discussed the remaining site activities to prepare the final set of properties for release from CNSC licensing and transfer to the IC Program. Focus was to discuss intention to release and transfer properties in 2021. Follow-up questions were received from Ya'thi Néné Lands and Resource Office and responded to.
November 20, 2020	All	Online Content (e.g., social media, website). Meeting recording and virtual tour links distributed to all invited participants as follow-up after the public meeting on November 18, 2020, via email and on Cameco social media pages. Virtual site tour was created as in person 'boots on the ground' tours were not allowed due to travel restrictions resulting from the Covid 19 pandemic.
December 17, 2020	YNLR, Representatives from Uranium City, Camsell Portage, Wollaston Lake, Stony Rapids, Hatchet Lake First Nation, Fond du Lac First Nation, Black Lake First Nation	Quarterly AJES meeting. Engagement plan discussion which included Beaverlodge 2021 plans and 2022 activities.
March 11, 2021	All	Online Content (e.g., social media, website). Cameco translated the public meeting recording in Dené and both English and Dené virtual tours were posted online (social media and website).
June 1, 2021	Representatives from Uranium City, Fond du Lac First Nation	Ad Hoc Meeting. Fookes Delta Community Driven Program (presentation and school field trip).
June 29, 2021	AJES, YNLR, Representatives from Uranium City, Camsell Portage, Wollaston Lake, Stony Rapids, Hatchet Lake First Nation, Black Lake First Nation	Quarterly AJES Meeting. Engagement plan discussion. Public Meeting and Site Tour for Beaverlodge planned for November. Discussed 2020 update and 2021 plans getting sites ready for release.
Summer 2021	YNLR Newsletter	Article: Fun at Fookes Delta – Provided an overview of the Fookes Delta Moose Study, highlighting the participation of local children in learning to identify animal tracks as well as sample collection.
September 21, 2021	YNLR, Representatives from Uranium City	Ad Hoc Meeting/Site tour. Discussed Beaverlodge background and Stage 3/18 properties release and IC transfer.
September 22, 2021	YNLR, Representatives from Uranium City	Ad Hoc Meeting. Follow-up site tour.
October 13, 2021	All	Online Content (e.g., social media, website). Virtual tour posted online.
October 14, 2021	AJES, YNLR, Representatives from Uranium City, Camsell Portage, Wollaston Lake, Stony Rapids, Hatchet Lake First Nation, Fond du Lac First Nation, Black Lake First Nation	AJES Quarterly meeting. Discussed application to release Stage 3/18 properties into IC Program in 2022 as part of engagement highlights. Focus for 2021 has been getting sites ready for release.

November 2, 2021	YNLR, Representatives from Uranium City, Camsell Portage, Wollaston Lake, Stony Rapids, Hatchet Lake First Nation, Fond du Lac First Nation, Black Lake First Nation	Public Meeting/Virtual Site Tour. Discussed the development of the Beaverlodge Management Framework and the engagement that resulted in the Path Forward and Performance Objectives and Indicators. Reviewed current plan to transfer 18 properties at a hearing in March 2022 and the relevant performance indicators. Provided update on the conclusions for the Fookes Delta Moose study. Provided an update regarding the status of the remaining Beaverlodge properties and the updated schedule for transferring all properties by 2023/2025. After meeting AJES rep for the Permanent Resident Organization asked for property map, Cameco provided.
November 5, 2021	All	Online Content (e.g., social media, website). Meeting recording and virtual tour links distributed to all invited participants as follow-up after the November public meeting via email and on Cameco social media pages.
November 15, 2021	Fond du Lac First Nation	Ad Hoc Meeting. Meeting conducted in Dené with Fond du Lac leadership, elders and land and resource users to discuss the transfer of properties in 2022. Also discussed land use around the Beaverlodge sites.
December 8, 2021	AJES, YNLR, Representatives from Uranium City, Camsell Portage, Wollaston Lake, Stony Rapids, Hatchet Lake First Nation, Fond du Lac First Nation, Black Lake First Nation	AJES Quarterly meeting. Discussion included application to release Stage 3/18 properties into IC Program in 2022
February 10, 2022	AJES, YNLR, Representatives from Uranium City, Camsell Portage, Wollaston Lake, Stony Rapids, Black Lake First Nation	AJES Quarterly meeting. Discussion included application to release 18 properties into IC Program in 2022.
Winter 2022	YNLR Newsletter	Beaverlodge update on the history and planned transfer of the properties in 2022.
March 2, 2022	NSEQC	Beaverlodge history, recent activities (2019 NSEQC intervention), Discussed the development of the Beaverlodge Management Framework and how Cameco followed the framework to prepare the properties for transfer to the IC Program. Discussed the NSEQC role in participating in the remedial options workshops that contributed to the development of the Path Forward. Reviewed current plan to transfer 18 properties at a hearing in March 2022 and how the relevant performance indicators are assessed prior to a property being proposed for release from CNSC licensing.
June 8, 2022	ACFN, NSEQC, MN-S, Fond du Lac First Nation	Public meeting and site tour with informal presentation, supported by a summary booklet that was handed out to all participants. Discussed the progress on the Beaverlodge Management Framework and that we are at the final stage of the process, with 27 properties remaining under CNSC licence. Discussion on 2022 activities and plans for 2023, which included the two-year licence renewal request, to allow adequate time to complete engagement activities related to the final request for release from CNSC licensing. Details were provided on how the remaining properties meet the performance indicators and objectives. ACFN declined participation in the site tour due to competing priorities.
June 28, 2022	AJES, YNLR, Representatives from Uranium City, Stony Rapids, Hatchet Lake First Nation, Fond du Lac First Nation, Black Lake First Nation, Cameco/ Orano community relations liaisons	Quarterly meeting with representation from the First Nation and municipal communities, in addition to the YNLR Executive Director and Orano. Discussion included industry updates, the decommissioned Beaverlodge properties and the two-year licence renewal request and updated engagement plans for 2022.
September 13, 2022	Representatives from Uranium City, Fond du Lac First Nation, MN-S Local #50 President and AJES	Public meeting and site tour with informal presentation, supported by a summary booklet that was handed out to all participants. Discussed the progress on the Beaverlodge Management Framework and that we are at the final stage of the process, with 27 properties remaining under CNSC licence. Discussion on 2022 activities and plans for 2023, which included the two-year licence renewal request, to allow adequate time to complete engagement activities related to the final request for release from CNSC licensing. Details were provided on how the

		remaining properties meet the performance indicators and objectives.
October 26, 2022	All	A public meeting presentation was recorded and posted to the Beaverlodge sites website, linked to the homepage. The presentation provided an update on the 24-month licence renewal request, to accommodate the regulatory process and public engagement activities. The presentation also provided an overview of the remaining 27 licensed properties and the status of the applicable performance indicators.
December 6 and 7, 2022	ACFN and DLRM	Cameco attended meetings in Fort Chipewyan to meet with both the ACFN Elder's Council on December 6th and the Elder's General Meeting on December 7th. Cameco met with the Dene Lands & Resource Management (DLRM) staff prior to the December meetings and Cameco's presentation was reviewed and submitted in advance of the meetings. On December 6th, nine Elders (two on the phone) and four DRLM staff participated in a presentation on the properties, in the traditional Denesuline language. Information presented focused on an overview of the decommissioned Beaverlodge properties, a virtual tour, discussion on Performance Indicators, remediation activities completed, plans for the short-term licence renewal, the remaining 27 properties and the plan to transfer to the IC Program. On December 7th, Cameco repeated its presentation for the Elders General, approximately 50 Elders in addition to DLRM staff were in attendance.
February 6, 2023	AJES, YNLR, Representatives from Uranium City, Stony Rapids, Hatchet Lake First Nation, Fond du Lac First Nation, Black Lake First Nation, Cameco/ Orano community relations liaisons	Quarterly meeting with representation from the First Nation and municipal communities, in addition to the YNLR Executive Director and Orano. Discussion included the two-year license extension, the request to release the remaining properties from CNSC licensing, with transfer to the IC Program, and the development of a LTMP for the properties in IC.
June 19, 2023	Uranium City residents, land and resource users, NSEQC representatives, Fond du Lac Elders, youth and Chief and Council, YNLR, Ya'thi Néné Board, MN-S, AJES representatives from Uranium City, Stony Rapids, Camsell Portage, Wollaston Lake, Fond du Lac, and Black Lake, and Cameco/Orano community relations liaisons,	Workshop to gain input from local land users to help shape the development of the LTMP that will be implemented under the IC Program. Discussion included potential road closures and fish advisory posting locations.
August 1, 2023	MN-S Director of Environment and the Northern Region #1 Director	Provided history on the decommissioned properties, the plan to release the final set of 27 properties into IC and the development of the LTMP for the IC Program.
August 31, 2023	ACFN and DLRM	Discussion of ACFN lead community interviews and the development of a LTMP.
August 31, 2023	MN-S Local #50 President and MN-S Director of Environment	Discussions focused on the LTMP in addition to road closures, general information sign locations and fish advisory sign locations.
September 11 and 12, 2023	Representatives from Uranium City, Fond du Lac First Nation, AJES, NSEQC, YNLR Executive Director, the Uranium City Land and Resource Land Technician, ACFN Elders/DLRM, and the MN-S Local #50 President	Annual public meeting. Discussions focused on the final release of the Beaverlodge properties, LTMP, fish and water advisory, and the IC Program. Cameco indicated that funds would be provided to the province to execute the LTMP when the final set of properties are transferred into the IC Program, and that funds would also be provided to ensure engagement with local land users continues once the properties have been transferred to the IC Program.
October 13, 2023	YNLR	Additional discussions regarding the development of the LTMP. Discussed the outcomes of the engagement sessions and how they were considered, along with the technical assessment, to develop the LTMP.

November 14 and 15, 2023	NSEQC	Update on the Beaverlodge properties and discussion focused on decommissioning, the IC Program, and the final release of the properties.
November 30, 2023	AJES, YNLR, Representatives from Uranium City, Fond du Lac First Nation, Cameco/ Orano community relations liaisons	Discussion included the two-year license extension, the request to release the remaining properties from CNSC licensing, with transfer to the IC Program, and the development of a LTMP for the properties in IC.
February 9, 2024	AJES, YNLR, Representatives from Fond du Lac First Nation, Cameco/ Orano community relations liaisons	AJES meeting in Fond du Lac. Update on the Beaverlodge properties and discussion focused on the LTMP, the IC Program, and the final release of the properties. Plan to meet with AJES again to discuss the LTMP. Preliminary discussions about the hearing being held in January 2025.
February 27, 2024	NSEQC	Discussion included the request to release the remaining properties from CNSC licensing, with transfer to the IC program, and the development of a LTMP for the properties in IC. Discussion of CNSC participant funding program and the planned public meeting in Uranium City for spring 2024.
March 27, 2024	AJES	Presentation on the Beaverlodge LTMP including background on the technical evaluation used to derive components of the program
May 27 and 28, 2024	Uranium City residents, YNLR, NSEQC, AJES, MN-S, and MN-S Local #50 representatives, ACFN Elders/DLRM, Fond du Lac First Nation Elders and youth,	Annual public meeting. Presentations by the CNSC, Saskatchewan Ministry of Environment, Saskatchewan Ministry of Energy and Resources and Saskatchewan Health Authority. Discussions focused on the final release of the Beaverlodge properties, LTMP, fish and water advisory, and the IC Program. Update was provided on the application to release the remaining 27 properties into the IC Program, the LTMP, the CNSC hearing scheduled for January 30, 2025. Information on the CNSC participant funding program and the deadline for interventions was also provided.
Spring 2024	YNLR Newsletter	Update on the Beaverlodge IC regulatory timelines, including the January 30, 2025, Commission hearing, the deadline to apply for participant funding and the deadline to submit interventions.
June 4, 2024	NSEQC	Update on the application to release the remaining 27 properties into IC, the LTMP, the IC Program, the CNSC hearing scheduled for January 30, 2025. Information on the deadline for interventions was also provided.
June 25, 2024	AJES, YNLR, Representatives from Uranium City, Hatchet Lake First Nation, Fond du Lac First Nation, Black Lake First Nation, Cameco/ Orano community relations liaisons	Update on the application to release the remaining 27 properties into IC, the LTMP, the IC Program, the CNSC hearing scheduled for January 30, 2025. Information on the deadline for interventions was also provided.
September 24, 2024	AJES, YNLR, Representatives from Uranium City and Fond du Lac First Nation	Update on the application to release the remaining 27 properties into IC, the LTMP, the IC Program, the CNSC hearing scheduled for January 30, 2025. Information on the deadline for interventions was also provided.
October 1 to 4, 2024	Representatives and leadership from Uranium City, Wollaston Lake, Stony Rapids, Hatchet Lake First Nation, Fond du Lac First Nation, Black Lake First Nation, representatives from MN-S, MN-S local #50 President (Uranium City), AJES, YNLR, Cameco/ Orano community relations liaisons, Elders and Youth	Update on the application to release the remaining 27 properties into IC, the LTMP, the IC Program, the CNSC hearing scheduled for January 30, 2025. Information on the deadline for interventions was also provided. Discussion on continued monitoring that will occur following transfer into provincial IC Program.

APPENDIX 2

2023 AND 2024 FACT SHEETS

DECOMMISSIONED

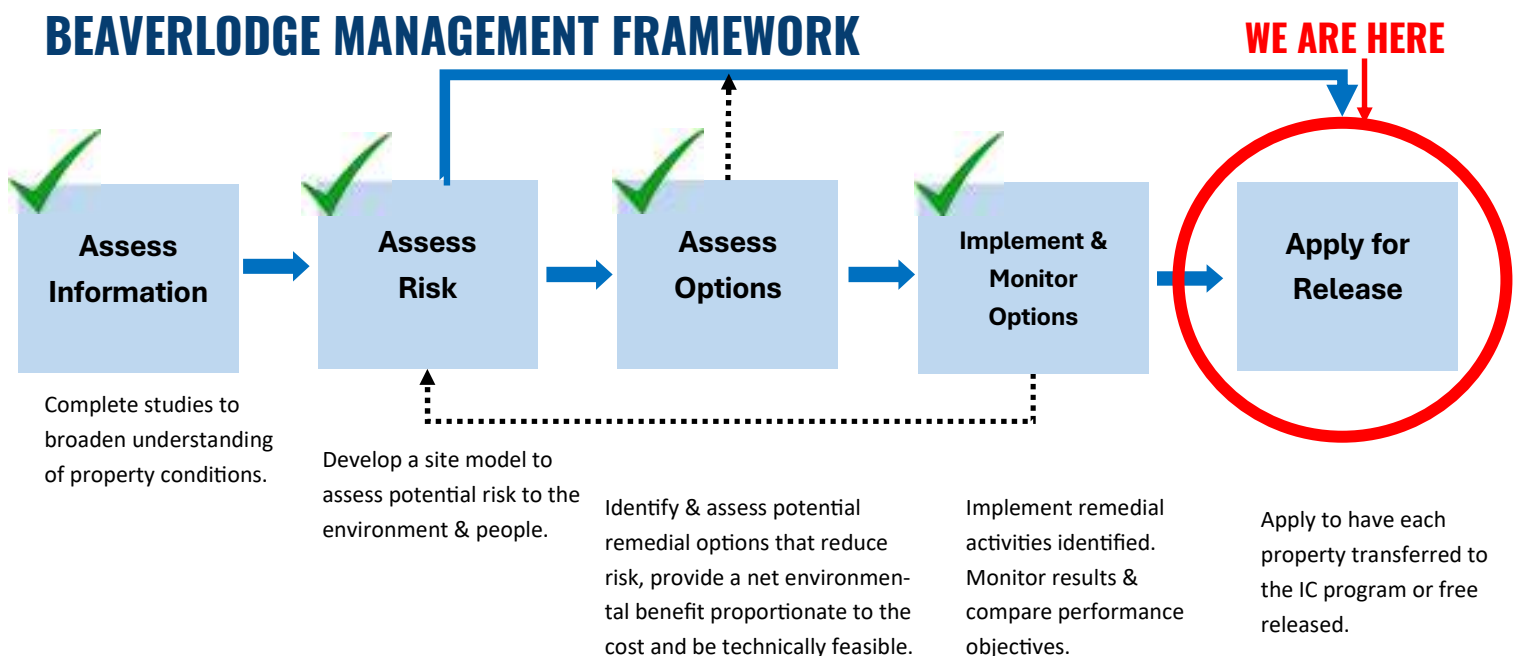
BEAVERLODGE PROPERTIES



The decommissioned Beaverlodge uranium mine/mill site and associated properties in the Uranium City area were operated by Eldorado Mining and Refining Limited between 1952 and 1982. From 1982 to 1985 the site was decommissioned and reclaimed to standards approved by federal and provincial regulators. Beaverlodge was the first Canadian uranium mining operation to be formally decommissioned. In 1988, Eldorado merged with the Saskatchewan Mining Development Corporation to form Cameco Corporation. At that time, the management of the properties became the responsibility of Cameco, while the Government of Canada retained financial responsibility. Cameco has since carried out routine environmental monitoring, targeted environmental investigations, maintenance work, community engagement and targeted remediation on the 70 separate decommissioned properties that originally made up the Beaverlodge site. Of the 70 properties, 43 have been released by the Canadian Nuclear Safety Commission (CNSC) making them eligible for transfer to the IC Program, leaving 27 properties remaining.



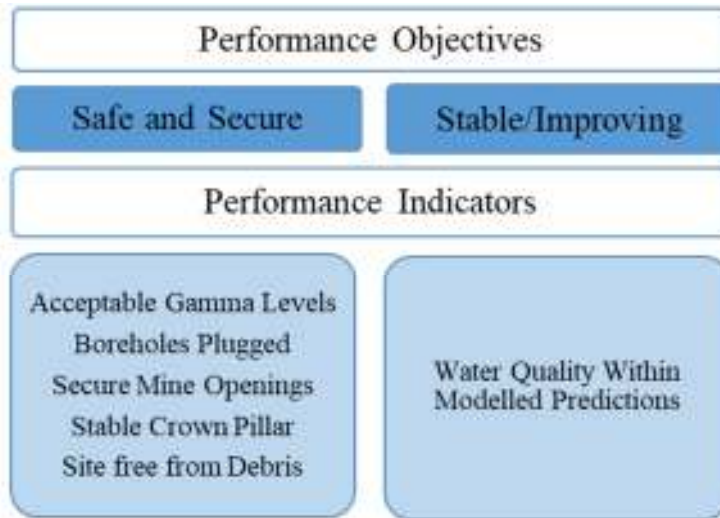
BEAVERLODGE MANAGEMENT FRAMEWORK



PERFORMANCE INDICATORS AND OBJECTIVES

Safe – site is safe for unrestricted public access. This objective is to ensure that the long-term safety is maintained.

Secure – must be confident that long-term risks to public health and safety have been assessed by qualified person and are acceptable.



Stable/Improving – Environmental conditions (e.g. water quality) on and downstream of the decommissioned properties are stable and continue to naturally recover as predicted.

Performance Indicators	Description	Acceptance Criteria
Acceptable Gamma Levels	Cameco will complete a site-wide gamma survey that will indicate where additional material may need to be applied to cover existing waste rock or tailings. Following the application of the cover material, a final survey will be completed of the remediated areas verifying that the cover was adequate.	Reasonable use scenario demonstrating gamma levels at the site are acceptable.
Boreholes Plugged	Cameco will plug all identified boreholes on the site to prevent groundwater outflow to the surface.	All boreholes have been sealed.
Stable Mine Openings	The current concrete caps on the vertical mine openings will be replaced with new engineered caps with established designs to improve the long-term safety of the site, where applicable.	Mine openings have been secured and signed off by a qualified person, where applicable.
Stable Crown Pillar	Based on the surface subsidence in the Lower Ace Creek area, a crown pillar assessment will be completed for the four areas that have mine workings close to surface, specifically Hab, Dubyna, Bolger/Verna, and Lower Ace Creek.	Crown pillar assessed, remediated (if required), and signed off by a qualified person.
Site free from Debris	Inspection and removal of any residual debris will be completed prior to exempting the properties from CNSC licensing and accepting them into the provincial IC program.	Site free of former mining debris at the time of transfer to IC program.
Water Quality Within Modelled Predictions	Trends established from past and future water monitoring will be compared to modelled predictions to verify: <ol style="list-style-type: none"> 1. That remedial options expected to result in localized improvements are having the desired effects; and 2. That natural recovery on and downstream of the decommissioned properties is continuing as predicted. 	Water quality is stable/improving.

SASKATCHEWAN INSTITUTIONAL CONTROL (IC) PROGRAM

The Saskatchewan IC Program addresses all aspects of conventional closed mines, as well as the uranium-specific issues of radioactive waste management.

The IC program is run by the Government of Saskatchewan and is intended to provide long-term monitoring and maintenance. A property will not be accepted into the program until remediation activities are completed and the relevant regulatory authorities have issued a release. Properties transferred will continue to support traditional activities such as hunting.

2009

5 Properties transferred to IC



2020

19 Properties transferred to IC, 1 free-released



2022

18 Properties Proposed for transfer to IC



This image shows where a steel cap has been placed to ensure this opening is safe and secure.

MONITORING UNDER IC

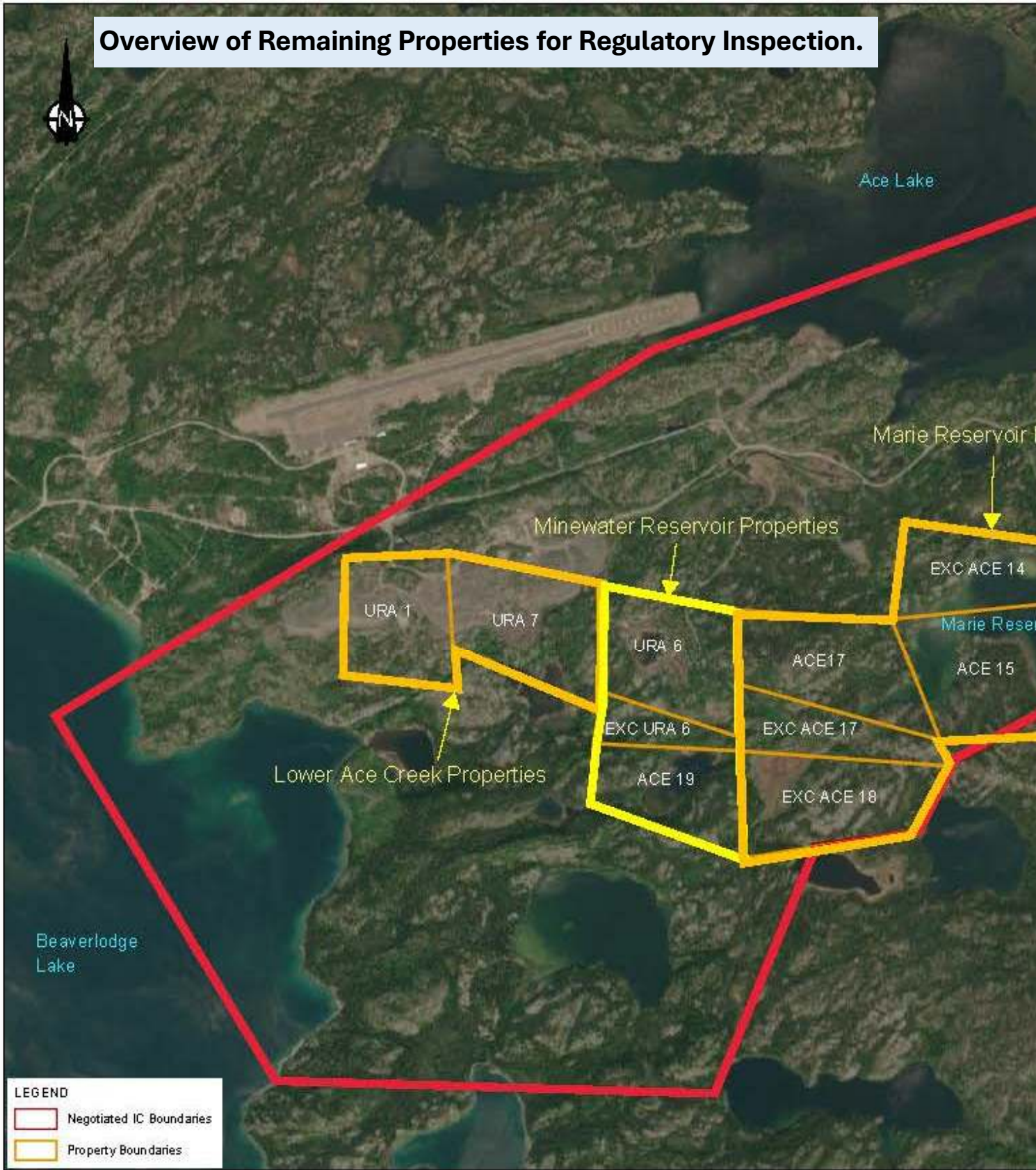
Once in the IC Program the Province of Saskatchewan will ensure long-term monitoring and maintenance of the properties.

Funding is provided up front by the former site holder.

The IC program ensures that these properties will not be forgotten about once they are released from Cameco's license.

The monitoring will ensure that the properties continue to behave as expected and ensure that they remain safe, secure, and stable/improving.

Overview of Remaining Properties for Regulatory Inspection.

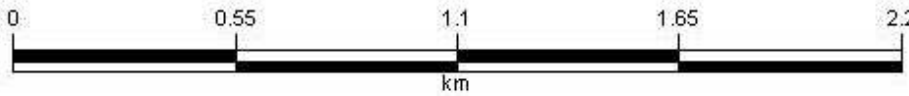


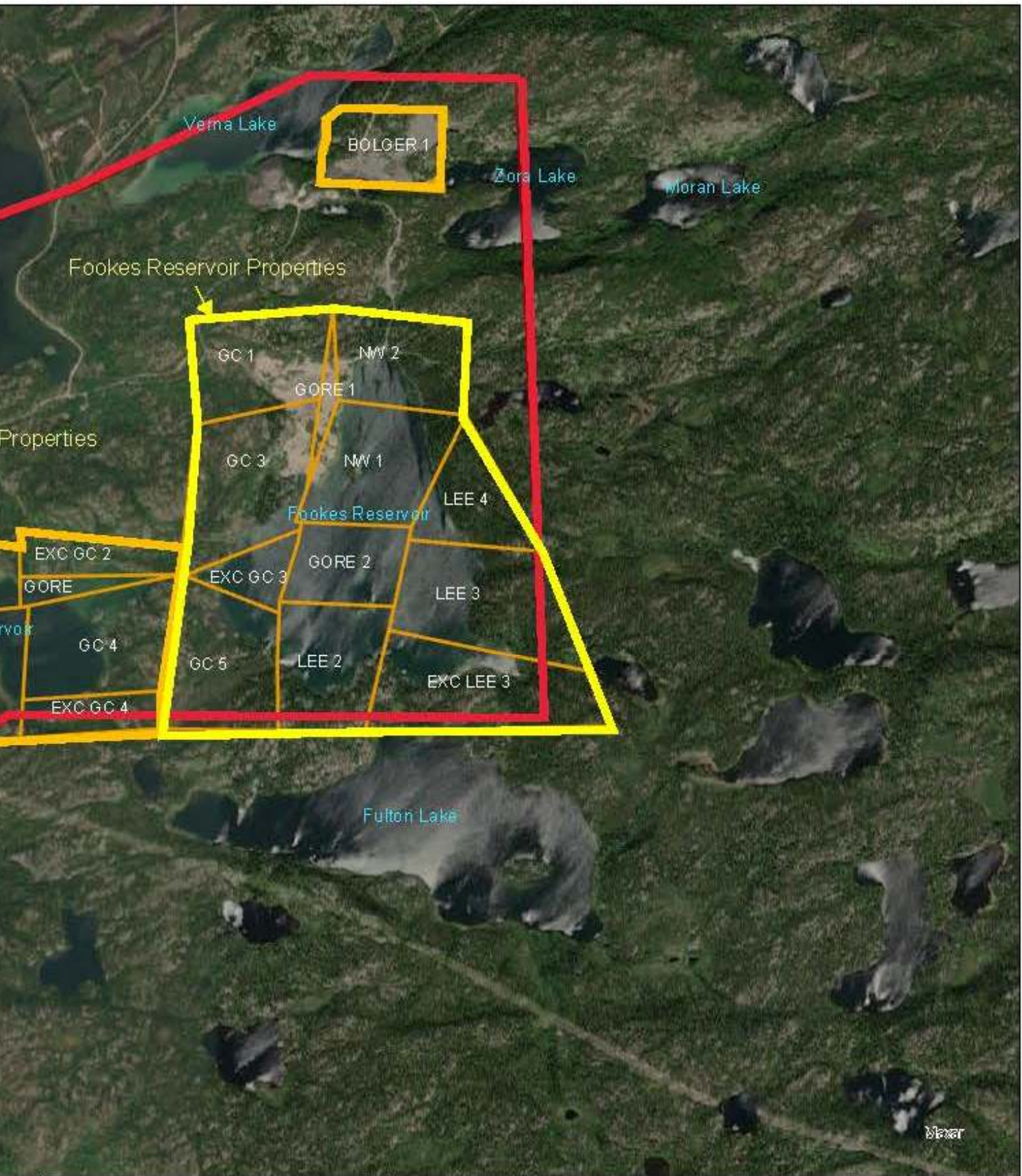
LEGEND

-  Negotiated IC Boundaries
-  Property Boundaries

NOTES
1. Coordinate system is WGS 1984 UTM Zone 12N.

REFERENCES
1. 2016 Drone Imagery was provided by SRK.





		Beaverlodge Properties Report		
		Cameco Web Map		
Job No: File name:	CAMECO CORPORATION	Date:	Approved:	Figure:

URA 1 and URA 7 PROPERTIES



URA 1 - What was there?

1. Mill annex buildings, warehouse
2. An O₂ plant
3. A small open pit (Lower Fay Pit)
4. Waste rock

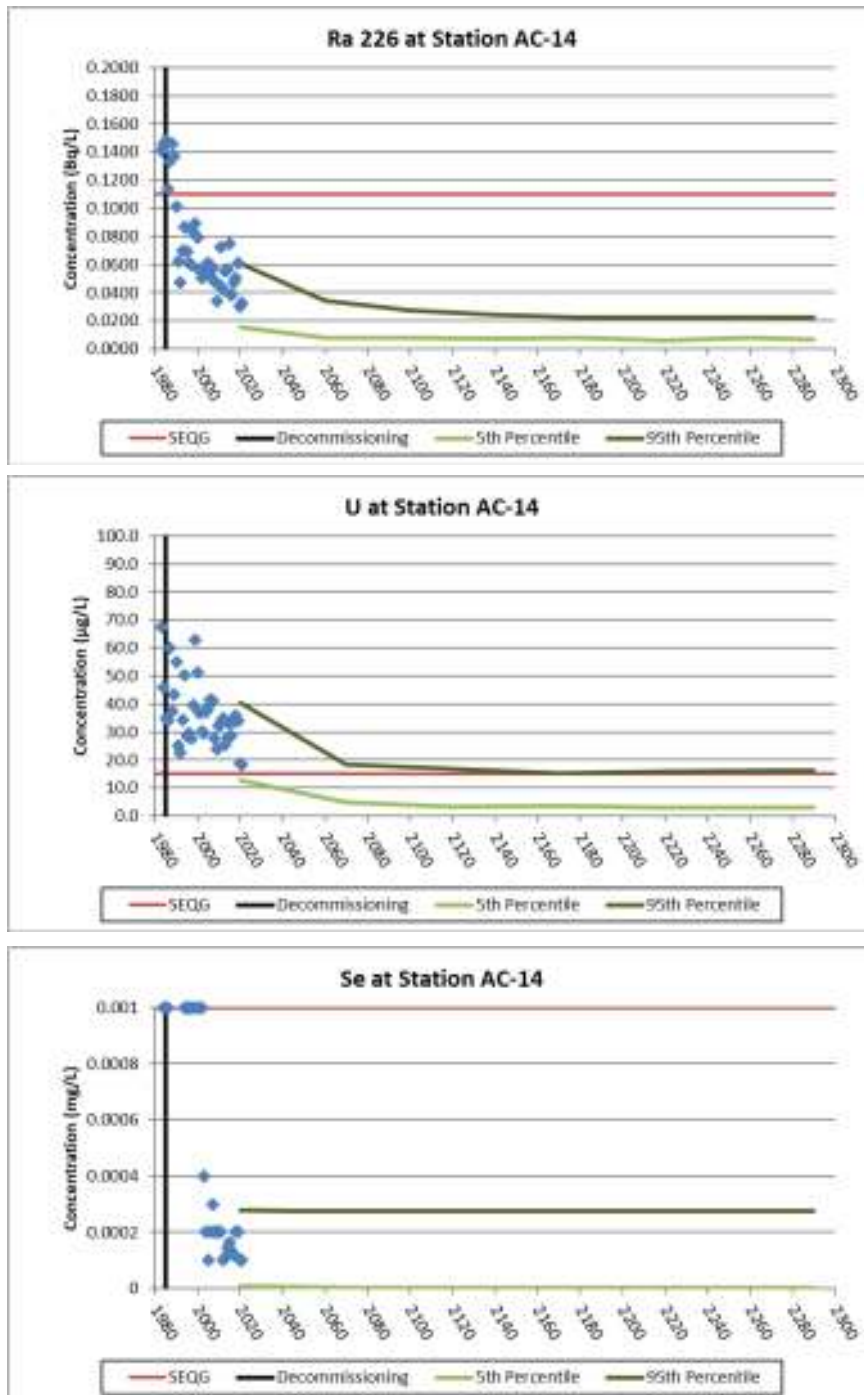
URA 7— What was there?

1. Mill facility
2. Sorting plant bin
3. Sorting plant raise
4. CB-1 access raise
5. Waste haulage adit
6. Bulk fuel storage tanks



URA 1 and URA 7 PERFORMANCE INDICATORS

The applicable performance indicators have been met for acceptable gamma levels, boreholes plugged, stable crown pillar, site free from debris, and water quality (see graphs below for predictions) at URA 1. There are no mine openings on URA 1, therefore the stable mine opening performance indicator is not applicable. The applicable performance indicators have also been met at URA 7 for acceptable gamma levels, boreholes plugged, stable mine openings, stable crown pillars, site free from debris, and water quality (same monitoring station is applicable as for URA 1).



MINEWATER RESERVOIR AREAS

The Minewater Reservoir area consists of three individual properties.

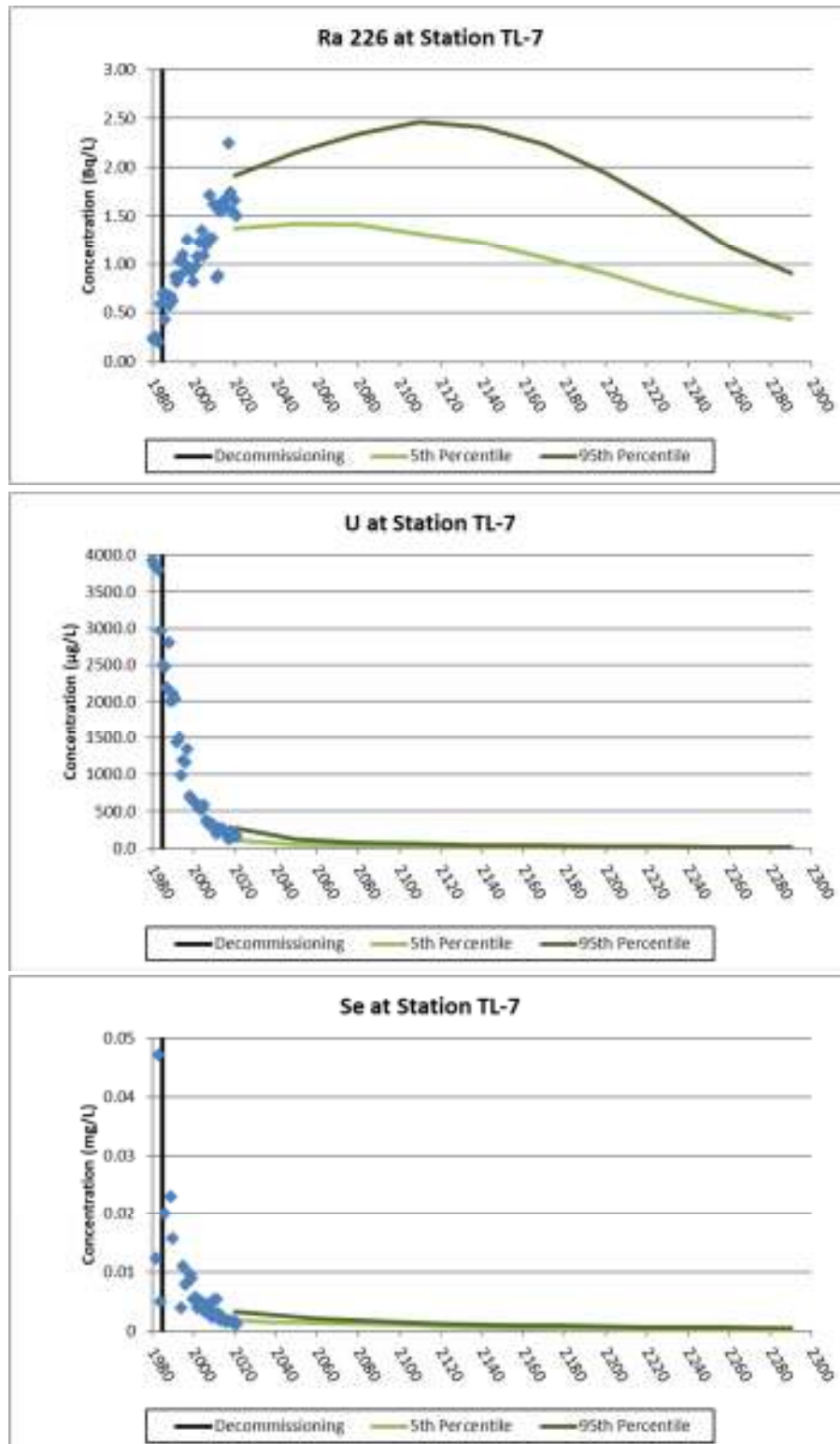
During operation, Minewater Reservoir was used as a tailings disposal location in 1953 and in the 1970s was used for settling of treated mine water.

At decommissioning a channel was blasted in bedrock to allow drainage from Minewater Reservoir to flow toward the tailings management area (TMA). The settled precipitate and tailings were excavated from Minewater Reservoir and placed into the underground mine.

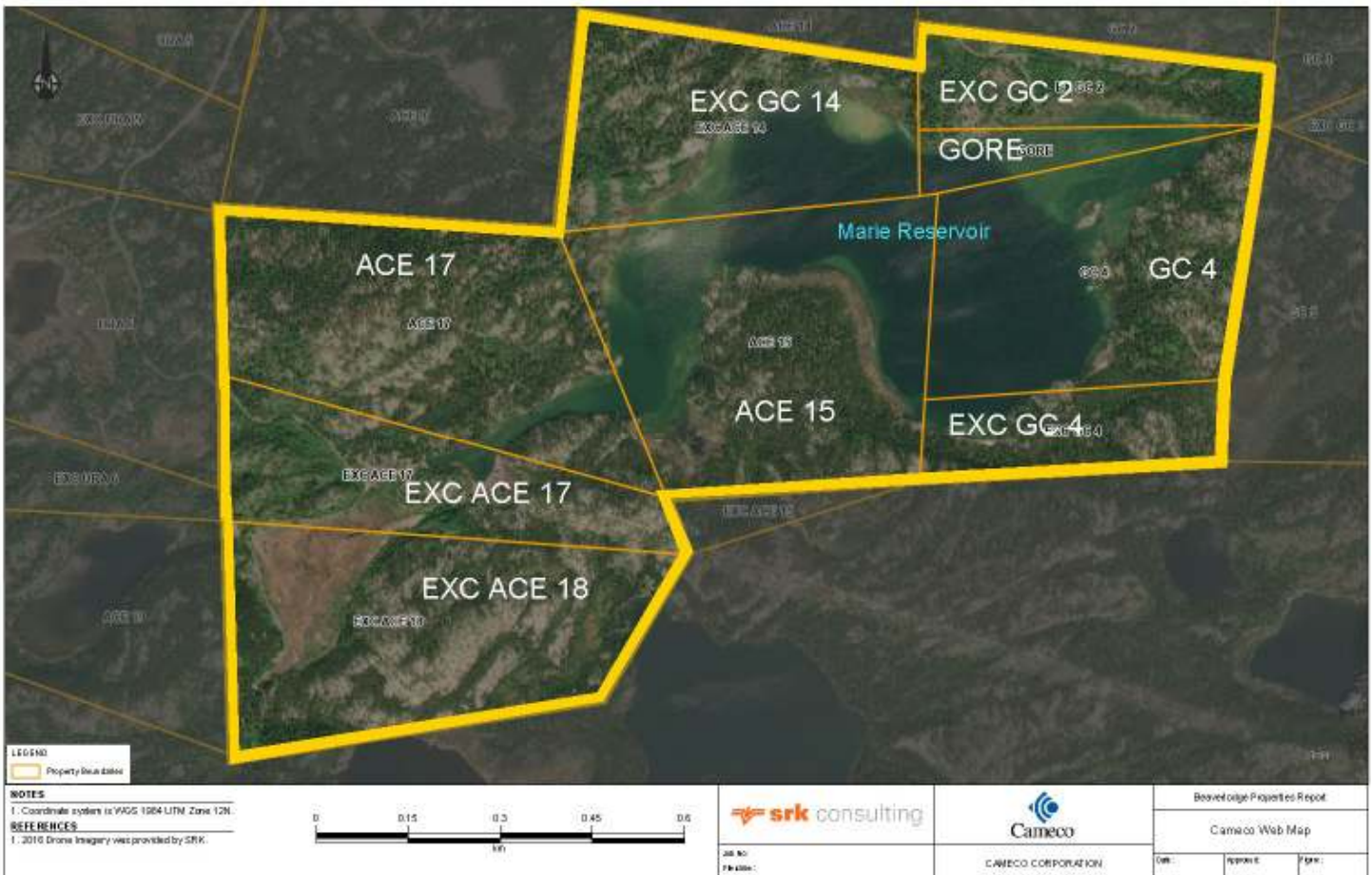


MINEWATER RESERVOIR PERFORMANCE INDICATORS

The applicable performance indicators have been met for acceptable gamma levels, site free from debris, and water quality (see graphs below for predictions) associated with Minewater Reservoir. There are no boreholes, mine openings, or crown pillars, therefore those performance indicators are not applicable.



MARIE RESERVOIR AREAS

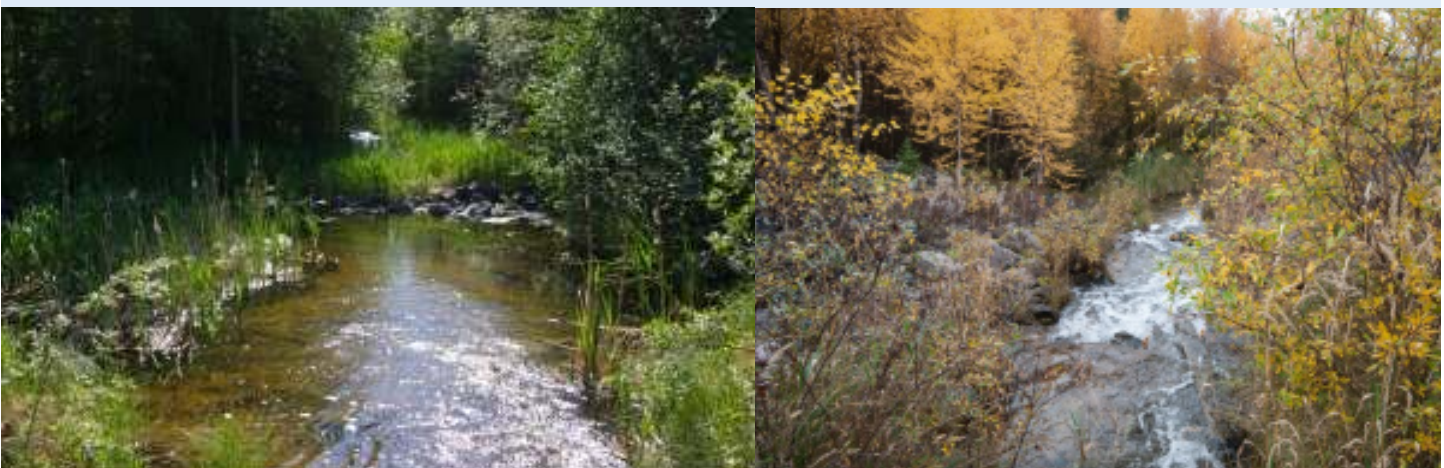


The Marie Reservoir area consists of 9 individual properties.

From 1954 to 1957 tailings were deposited in Marie Reservoir.

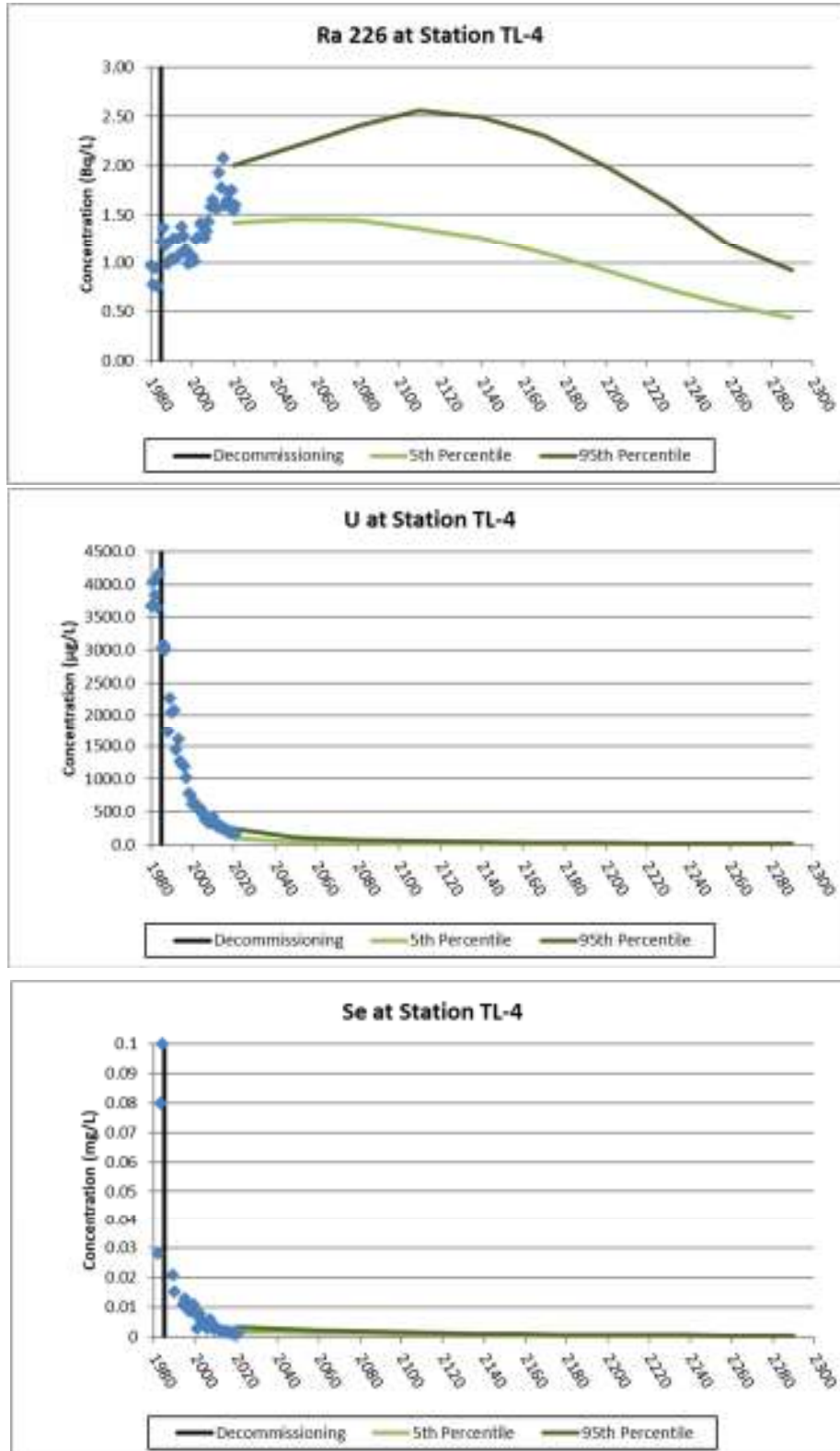
In 1976, there was a water treatment plant constructed at the outlet of Marie Reservoir.

During decommissioning, tailings near the surface were moved to a deeper part of the reservoir and the tailings delta was covered with waste rock. Inspections confirm the cover continues to perform as expected.



MARIE RESERVOIR PERFORMANCE INDICATORS

The applicable performance indicators have been met for acceptable gamma levels, site free from debris, and water quality (see graphs below for predictions) at Marie Reservoir. There are no boreholes, mine openings, or crown pillars, therefore those performance indicators are not applicable.



FOOKES RESERVOIR AREA

The Fookes Reservoir Area consists of 12 individual properties.

The tailings line was moved to Fookes Delta in 1957.

Reclamation included covering of the exposed tailings delta with 3 feet of waste rock.

In 2005 and 2007, much of the delta was covered with sand.

In 2021, there was a study conducted assessing the safety of consuming moose from the Fookes Reservoir Area. It was found that use of the area by moose is fairly low and that the moose grazing or utilizing the delta area are safe for consumption.



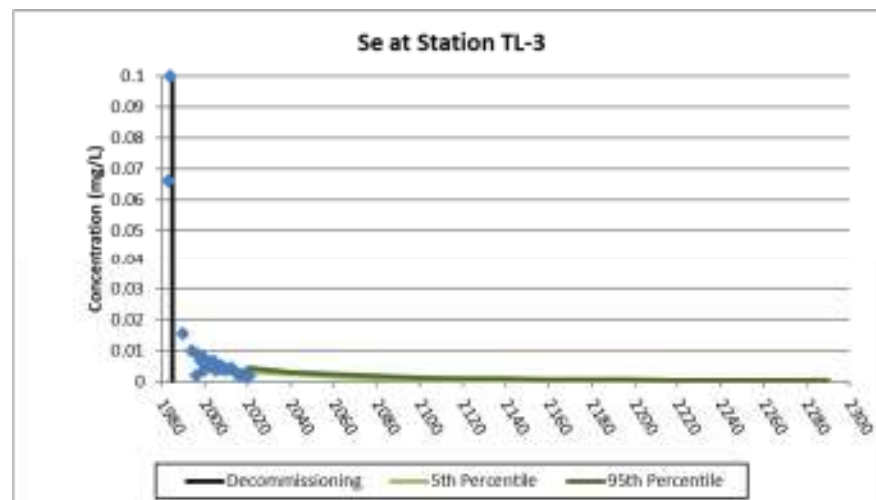
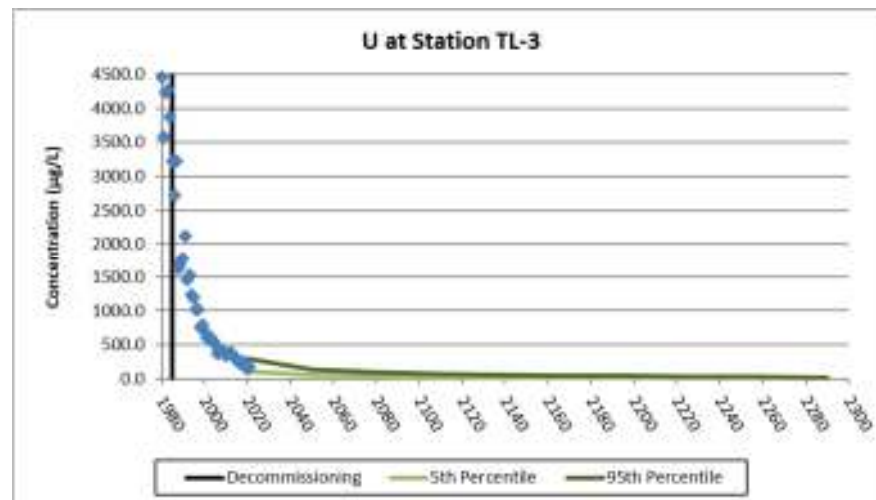
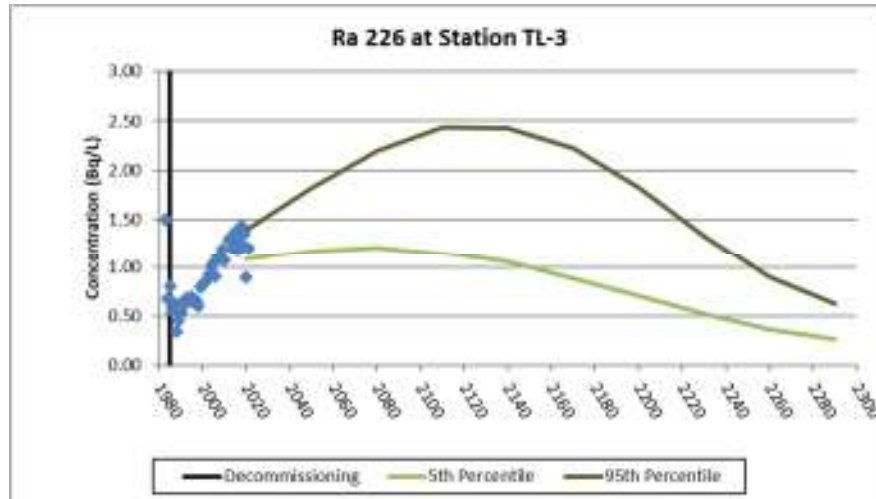
FOOKES RESERVOIR AREA

Reclamation of the Fookes Reservoir Area involved removal of the operational dam and it was replaced with an outlet structure that maintains the water level in the basin to within 1 m of its natural outlet level.



FOOKES RESERVOIR PERFORMANCE INDICATORS

The applicable performance indicators have been met for acceptable gamma levels, site free from debris, and water quality (see graphs below predictions) at Fookes Reservoir. There are no boreholes, mine openings, or crown pillars, therefore those performance indicators are not applicable.



BOLGER 1 PROPERTY



Bolger Pit was operated intermittently between 1958 and 1980 and was the largest pit at the Eldorado Beaverlodge site. Pit stability assessment was completed in Bolger Pit and found the pit walls to be stable.

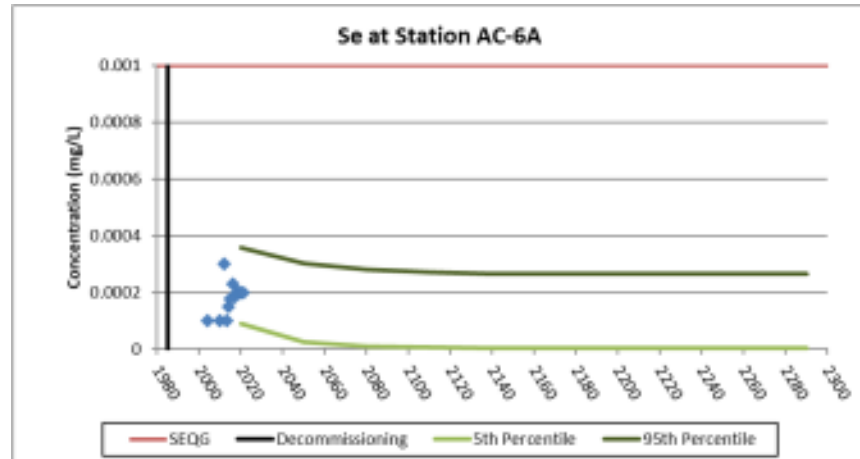
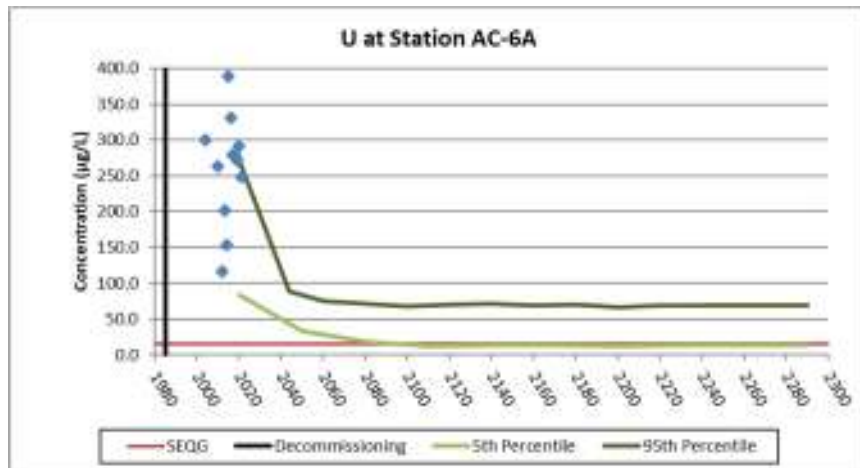
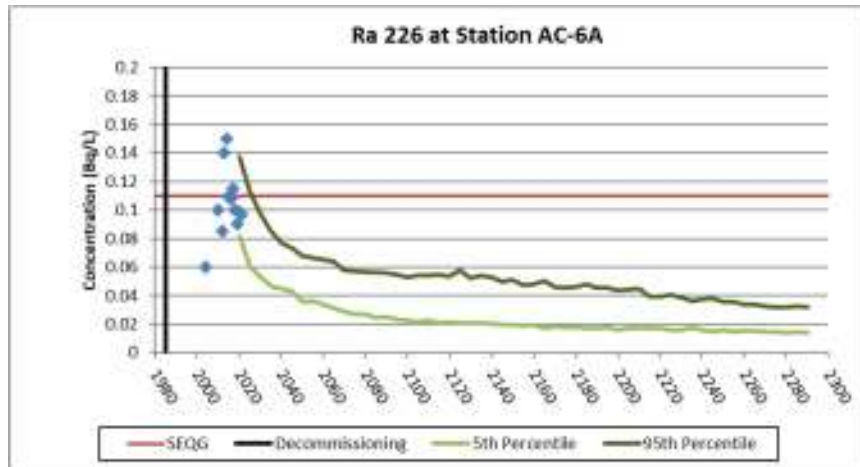
Zora Creek Reconstruction:

A channel was constructed in the summer of 2015, which allows water to flow between Zora and Verna lakes. It minimizes waste rock contact with water and results for water quality have improved. Water quality is now meeting predicted levels. The material excavated from the Zora stream reconstruction project was placed into Bolger Pit reducing the height of the pit walls.



BOLGER 1 PERFORMANCE INDICATORS

The applicable performance indicators have been met for acceptable gamma levels, boreholes plugged, site free from debris, stable crown pillar, and water quality related to the Bolger 1 property (measured at the outlet of Verna Lake, station AC-6A) provided in the graphs below. There are no mine openings therefore that performance indicators are not applicable. The annual average water quality measured at the ZOR-02 monitoring station, immediately downstream of the stream reconstruction project, is showing continued improvement.



COUNTRY FOODS/LAND USE STUDY (2011/2012)

The country foods study was conducted by a third party First Nations owned company Canada North Environmental Services Ltd. (CanNorth) and involved surveying Uranium City and Camsell Portage residents, as well as analyzing food samples submitted by local stakeholders. Residents were asked what country foods they consumed, how much, and where they harvested from.

All samples were either collected or submitted directly by, or with the assistance of, Uranium City or Camsell Portage residents during their traditional hunting and gathering activities.

Types of samples collected were: blueberry, bog cranberry, raspberry, Labrador tea, snowshoe hare, spruce grouse, moose (and organs), and fish (northern pike and lake whitefish).



The samples were submitted by CanNorth to the Saskatchewan Research Council (SRC) for analysis of the following parameters:

Parameters	
Metals	Aluminum, Barium, Boron, Cadmium, Chromium, Copper, Iron, Lead, Manganese, Mercury (fish only), Molybdenum, Nickel, Selenium, Silver, Thallium, Tin, Titanium, Uranium, and Zinc
Radionuclides	Lead-210, Polonium-210, Thorium-230, Radium-226
Trace Elements	Antimony, Arsenic, Beryllium, Cobalt, Strontium, Vanadium

FINDINGS

Results found that traditional harvesting of country foods and consuming those foods **does not present health risks** to Uranium City and Camsell Portage residents.



EASTERN ATHABASCA MONITORING PROGRAM (EARMP)

EARMP monitors potential cumulative effects downstream of uranium mining and milling operations in northern Saskatchewan. EARMP was developed to establish baseline conditions and facilitate the examination of spatial and temporal changes long-term.

The program focuses on a community program and a technical program:

1. The community program was developed to address potential concerns about the safety of traditional foods that community members consume.
2. The technical program collects water, sediment, fish (flesh and bone), and benthic invertebrates. This information is used to monitor for changes in water quality, sediment quantity, benthic invertebrate community, and fish chemistry over the long-term.

EARMP regularly collects samples from Uranium City and Camsell Portage for analysis.

Results can be found here: www.earmp.ca/reports. Past results have found that food is safe to consume and water is safe to drink.

COMMUNITY BASED ENVIRONMENTAL MONITORING PROGRAM (CBEMP)

The CBEMP aims to be a co-learning process that promotes shared knowledge, skills, and engagement with the community. It provides an opportunity for community members to become involved in the program by participating in interviews and sampling traditional foods that they consume for testing. The CBEMP is founded on community members' shared knowledge and engagement. Past CBEMP studies in Fond du Lac, Black Lake and Stony Rapids, and Hatchet Lake and Wollaston Post have found that the food is safe to consume and the water is safe to drink.

The 2021/2022 CBEMP was conducted in Uranium City and Camsell Portage.

Report is expected to be complete in 2022, with a community meeting to follow.

DID YOU KNOW?
Gathering and eating traditional foods can help reduce the risk of diabetes, heart disease, and obesity, especially when the foods are cooked in traditional ways.
Fish are an important part of a healthy diet containing high-quality protein, Vitamin B, Vitamin D, omega-3 fatty acids, and essential nutrients.
Caribou meat is a good source of protein that is low in saturated fat and is an important source of minerals, vitamins, and iron.
Health Canada created a referred First Nations, Inuit, and Métis Food Guide that includes both traditional foods and store-bought foods.
(<https://www.canada.ca/en/health-canada/services/>)

HUNTING, FISHING, TRAPPING & GATHERING
It used to be typical to hunt and gather in the spring.

COMMUNITY-BASED ENVIRONMENTAL MONITORING PROGRAM
Results of the 2020 traditional foods study indicate that chemicals in traditional foods were generally low and within the range for the region, and are not of concern for the community.
For more information or to request a copy of the report please talk to your local AIES representative.
We would like to thank Barbara Grandflore, Juhaita Haxsen, Adam Bourke, and George St. Pierre for all their hard work on the project!
MARCI CHO!

In 2016, the Yut'i Neeq Collaboration Agreement brought together seven Athabasca Basin communities, Eaweco Corporation, and Drea Canada. Within the new agreement a commitment was made to sustain and enhance the community-based environmental monitoring program (CBEMP).
The 2020 CBEMP took place in Wollaston Lake and Hatchet Lake, Denesuline First Nation with a traditional food study. The study focused on collecting information from community members on the traditional foods they consume. Community members also shared information on what locations are important to them and which traditional foods should be sampled.

Partners: Cameco, First Nations, Orano

COMMUNITY ENGAGEMENT

Each year, a public meeting and site tour is held to discuss site activities. This meeting provides an opportunity for Cameco to engage local residents and other interested groups regarding the plan and schedule for transferring properties to the Province of Saskatchewan's Institutional Control program.

It also allows residents the opportunity to provide feedback to Cameco and regulators regarding potential concerns. Additionally, Cameco aims to employ local contractors, resulting in many of the Uranium City community members having direct experience participating in site



ONGOING ACTIVITIES

- ◆ Fact sheets
- ◆ Posters
- ◆ Presentations
- ◆ Public meetings
- ◆ Site tours
- ◆ Virtual tours available at www.beaverlodgesites.com
- ◆ Documentation and submissions to facilitate IC



THANK YOU!

**For additional resources please visit
www.beaverlodgesites.com or contact Kristin Cuddington
with Cameco at 306-956-8149 or
kristin_cuddington@cameco.com.**



DECOMMISSIONED

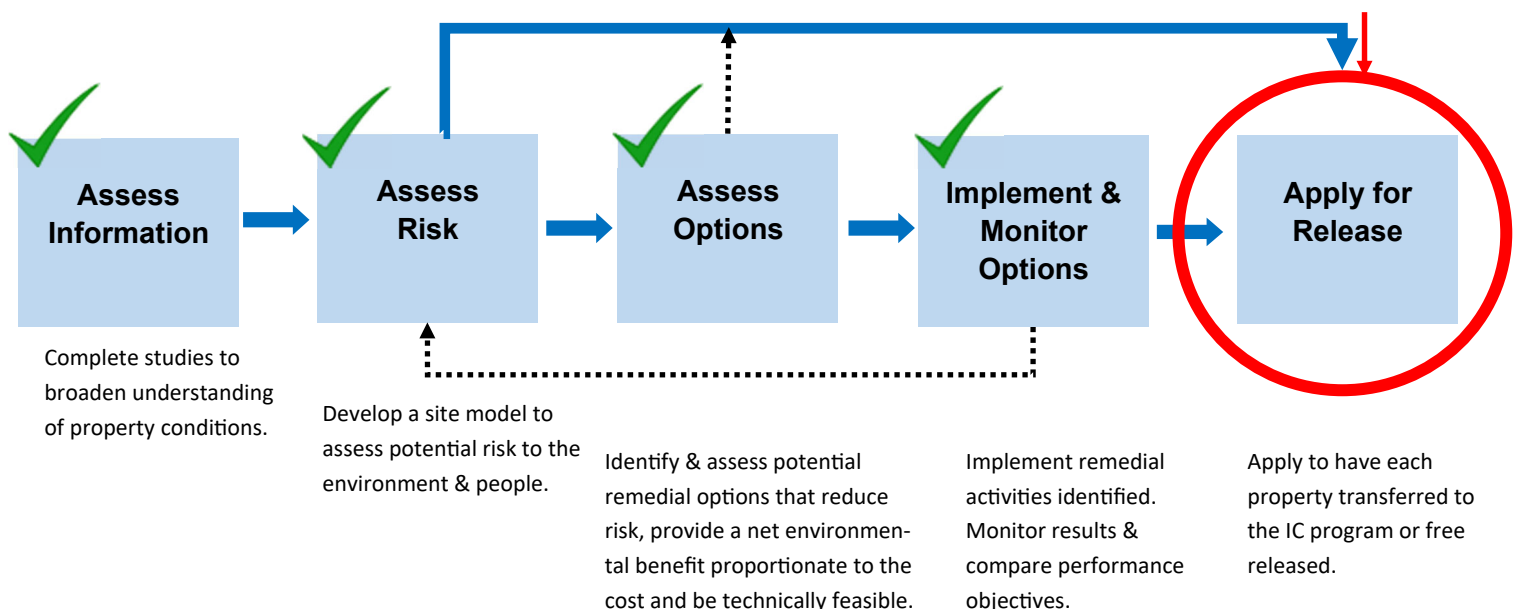
BEAVERLODGE PROPERTIES



The decommissioned Beaverlodge uranium mine/mill site and associated properties in the Uranium City area were operated by Eldorado Mining and Refining Limited between 1952 and 1982. From 1982 to 1985 the site was decommissioned and reclaimed to standards approved by federal and provincial regulators. Beaverlodge was the first Canadian uranium mining operation to be formally decommissioned. In 1988, Eldorado merged with the Saskatchewan Mining Development Corporation to form Cameco Corporation. At that time, the management of the properties became the responsibility of Cameco, while the Government of Canada retained financial responsibility. Cameco has followed the Beaverlodge Management Framework in preparing the properties for transfer to the IC Program by carrying out routine environmental monitoring, targeted environmental investigations and remediation, maintenance work, and community engagement on the 70 separate decommissioned properties that originally made up the Beaverlodge site. Of the 70 properties, 43 have been released from licensing by the Canadian Nuclear Safety Commission (CNSC) making them eligible for transfer to the IC Program, leaving 27 properties remaining (see map on next page).



BEAVERLODGE MANAGEMENT FRAMEWORK

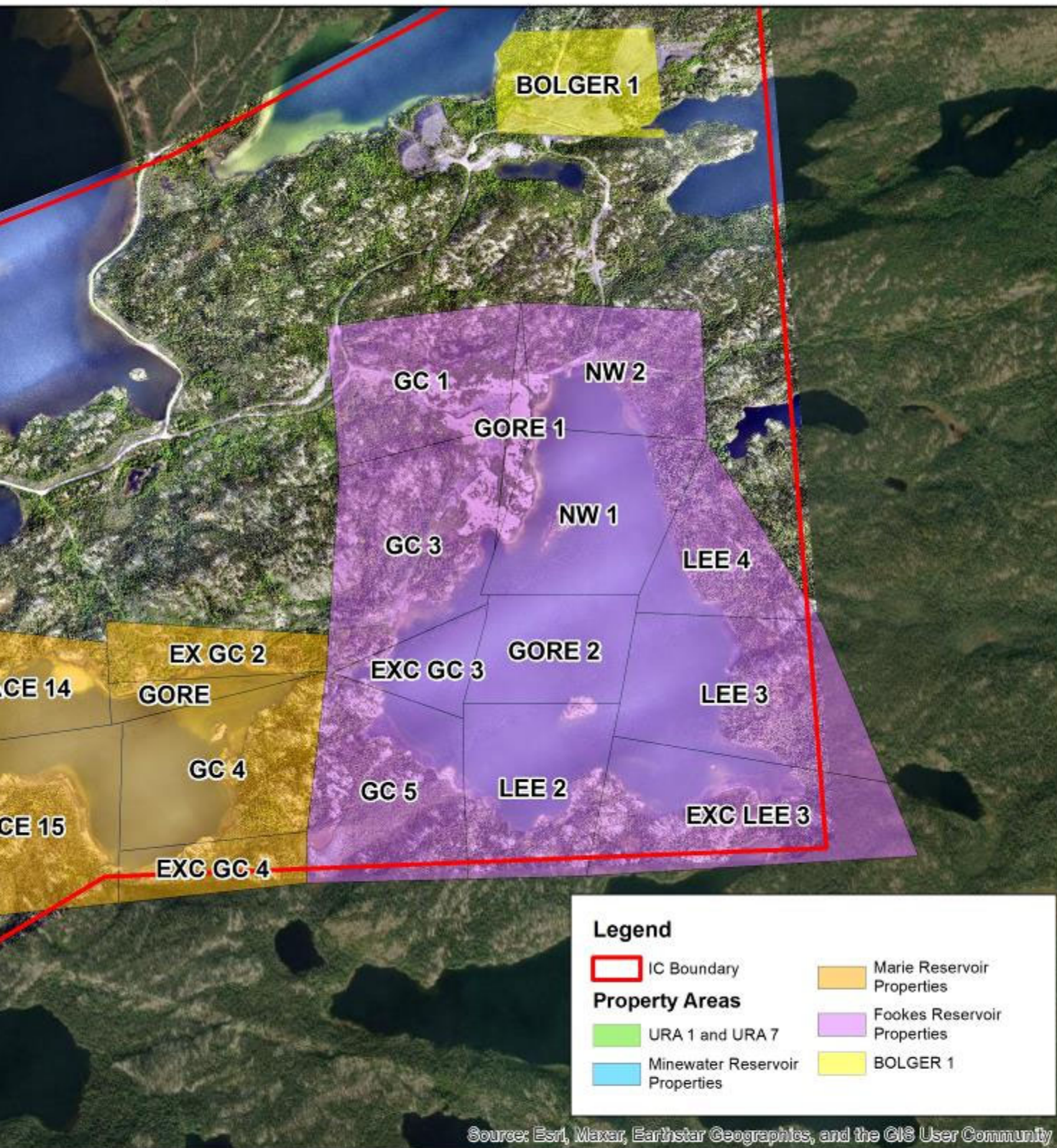


Outline of Remaining Beaverlodge Property Boundaries and Proposed I



0 0.25 0.5 1 Kilometers

IC Boundary



SASKATCHEWAN INSTITUTIONAL CONTROL (IC) PROGRAM

The Saskatchewan IC Program addresses all aspects of conventional closed mines, as well as the uranium-specific issues of radioactive waste management.

The IC program is run by the Government of Saskatchewan and is intended to provide long-term monitoring and maintenance. A property will not be accepted into the program until remediation activities are completed and the relevant regulatory authorities have issued a release. Properties transferred will continue to support traditional activities such as hunting.

2009

5 Properties transferred to IC



2020

19 Properties transferred to IC, 1 free-released



2023

18 Properties transferred to IC



This image shows a stainless steel cap that ensures this opening is safe and secure.

MONITORING UNDER IC

Once in the IC Program the Province of Saskatchewan will ensure long-term monitoring and maintenance of the properties. Funding for ongoing monitoring and maintenance as well as unforeseen events is provided up front by the former site holder.

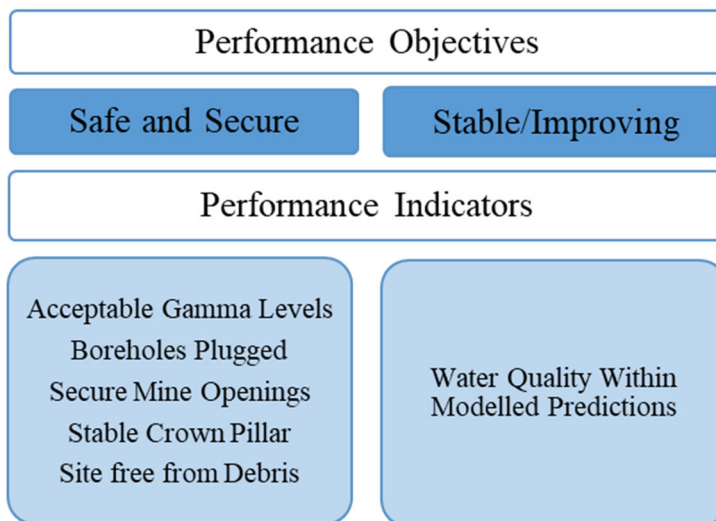
The IC program ensures that these properties will not be forgotten about once they are released from Cameco's license.

The monitoring will ensure that the properties continue to behave as expected and ensure that they remain physically and radiologically safe, secure, and stable/improving.

PERFORMANCE INDICATORS AND OBJECTIVES

Safe – site is safe for unrestricted public access. This objective is to ensure that the long-term safety is maintained.

Secure – must be confident that long-term risks to public health and safety have been assessed by qualified person and are acceptable.



Stable/Improving – Environmental conditions (e.g. water quality) on and downstream of the decommissioned properties are stable and continue to naturally recover as predicted.

Performance Indicators	Description	Acceptance Criteria
Acceptable Gamma Levels	Cameco will complete a site-wide gamma survey that will indicate where additional material may need to be applied to cover existing waste rock or tailings. Following the application of the cover material, a final survey will be completed of the remediated areas verifying that the cover was adequate.	Reasonable use scenario demonstrating gamma levels at the site are acceptable.
Boreholes Plugged	Cameco will plug all identified boreholes on the site to prevent groundwater outflow to the surface.	All boreholes have been sealed.
Stable Mine Openings	The current concrete caps on the vertical mine openings will be replaced with new engineered caps with established designs to improve the long-term safety of the site, where applicable.	Mine openings have been secured and signed off by a qualified person, where applicable.
Stable Crown Pillar	Based on the surface subsidence in the Lower Ace Creek area, a crown pillar assessment will be completed for the four areas that have mine workings close to surface, specifically Hab, Dubyna, Bolger/Verna, and Lower Ace Creek.	Crown pillar assessed, remediated (if required), and signed off by a qualified person.
Site free from Debris	Inspection and removal of any residual debris will be completed prior to exempting the properties from CNSC licensing and accepting them into the provincial IC program.	Site free of former mining debris at the time of transfer to IC program.
Water Quality Within Modelled Predictions	Trends established from past and future water monitoring will be compared to modelled predictions to verify: <ol style="list-style-type: none"> 1. That remedial options expected to result in localized improvements are having the desired effects; and 2. That natural recovery on and downstream of the decommissioned properties is continuing as predicted. 	Water quality is stable/improving.

MONITORING PLAN FOR THE IC PROGRAM

In preparation for the final release of the remaining properties, Cameco developed a monitoring program to be implemented as part of the IC Program. This included the development of a physical inspection program as well as a fish and water monitoring program. Implementation of these programs will be the responsibility of the government of Saskatchewan once the properties have been transferred to the IC Program.

BEAVERLODGE INSTITUTIONAL CONTROL INSPECTION FIELD GUIDE (ICIFG)

The Beaverlodge ICIFG was developed to support the ongoing inspection of the physical aspects of the former Beaverlodge properties once they have been transferred to the IC Program and managed by SkMER.



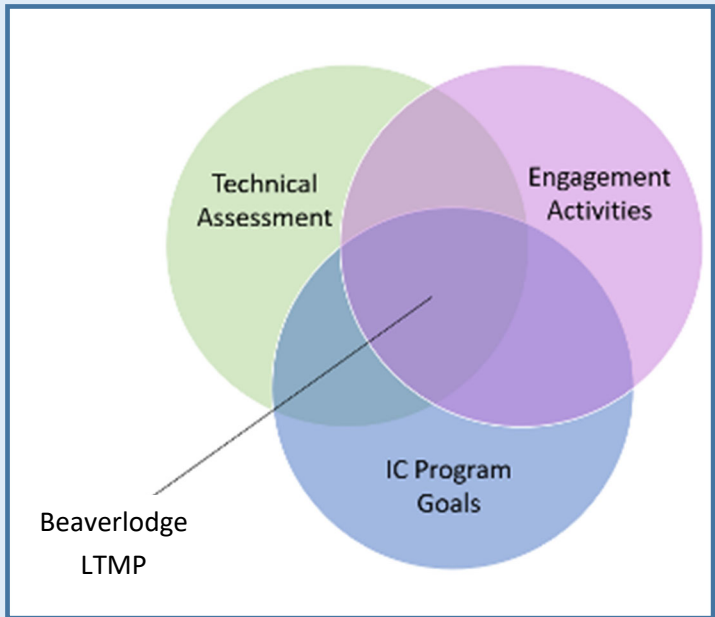
The ICIFG provides a description of the former Beaverlodge properties and identifies the physical aspects on the properties that will require continued inspection once properties have been transferred to the IC Program. As part of the ICIFG, a checklist was developed to ensure all relevant aspects currently monitored were captured in a consistent and thorough manner.

The development of the program considered numerous sources. The sources evaluated included an example of a relevant (non-Beaverlodge) inspection plan that has been proposed for to the IC Program, past Beaverlodge closure reports, commitments agreed to in CNSC Beaverlodge Commission Member Documents and Record of Decisions, previous IC inspection reports assessing the former Beaverlodge properties, and current regulatory inspections.



BEAVERLODGE LONG-TERM MONITORING PROGRAM

A long-term monitoring program (LTMP) to evaluate fish and water quality on and downstream of the former Beaverlodge properties was developed in 2023 and provided to SkMER. This included a technical evaluation of more than 40 years of monitoring data to support the development of a program to monitor long-term trends in surface water and fish quality after all the Beaverlodge properties have been released to the IC Program. The objectives of the evaluation were to define monitoring that would confirm long-term water quality trends continue with natural recovery, as expected, and provide information to support the eventual removal of the healthy fish consumption guideline and drinking water advisories. The development of the LTMP also included feedback received from



local communities, rights-holders and other stakeholders gathered during engagement activities regarding sample locations, as well as the type and frequency of monitoring data to be gathered. As well, the evaluation considered the goals of the IC Program: (1) protect human health and safety, (2) protect the environment, (3) ensure future generations are not burdened with the costs of long-term monitoring and maintenance for current mining development, (4) be sustainable, and (5) recognize federal jurisdiction regulatory roles and responsibilities for national and international obligations.

LTMP Summary

Sampling program component and Locations	Objective	Frequency	Comments
Surface Water			
Ace Creek Watershed (AN-5, DB-6, AC-6A, AC-14)	Confirm that the trends in water quality are recovering, consistent with the 2020 ERA predictions	Every 3 years initially ^b	Opportunity to decrease frequency after 15 years to sampling every 5 years. ^b Opportunity to decrease frequency after another 15 years to sampling every 10 years. ^b
Fulton Creek Watershed (TL-3, TL-4, TL-7, TL-9) ^a			
Beaverlodge Lake and Downstream (BL-5, ML-1, CS-1, CS-2)			
Fish			
Beaverlodge, Martin, and Cinch Lakes	Support the removal of the healthy fish consumption guideline	Every 10 years	Discontinue after healthy fish consumption guideline removed for Beaverlodge, Martin, and Cinch lakes

Notes:

^a Conclude upstream Fulton Creek Watershed stations (i.e., TL-3, TL-4, and TL-7) after 15 years if recovering as predicted.

^b Program frequency consistent with the surface water program for the Cluff Lake Mine Site for management within the IC Program.

COUNTRY FOODS/LAND USE STUDY (2011/2012)

The country foods study was conducted by a third party First Nations owned company Canada North Environmental Services Ltd. (CanNorth) and involved surveying Uranium City and Camsell Portage residents, as well as analyzing food samples submitted by local stakeholders. Residents were asked what country foods they consumed, how much, and where they harvested from.

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The samples were submitted by CanNorth to the Saskatchewan Research Council (SRC) for analysis of the following parameters:

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Metals	Aluminum, Barium, Boron, Cadmium, Chromium, Copper, Iron, Lead, Manganese, Mercury (fish only), Molybdenum, Nickel, Selenium, Silver, Thallium, Tin, Titanium, Uranium, and Zinc
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FINDINGS

Results found that traditional harvesting of country foods and consuming those foods **does not present health risks** to Uranium City and Camsell Portage residents.



EASTERN ATHABASCA REGIONAL MONITORING PROGRAM (EARMP)

EARMP monitors potential cumulative effects downstream of uranium mining and milling operations in northern Saskatchewan. EARMP was developed to establish baseline conditions and facilitate the examination of spatial and temporal changes long-term.

In 2022, a summary report was published detailing the results of the program from 2011 to 2021. During that time, the EARMP collected and tested over 850 water and traditional food

samples from the Athabasca Region. Results indicate that the measured concentrations in the samples are similar to baseline levels and the regional reference range, and those used in the 2018 Human Health Risk Assessment. Results from 10 years of sampling have consistently demonstrated that water and traditional foods remain safe for consumption, and that they continue to be a safe and healthy dietary choice for residents of the Athabasca Basin. The 10-year summary report, annual reports, and data from the programs conducted to date are publicly available at www.earmp.ca. EARMP regularly collects samples from Uranium City and Camsell Portage for analysis. Results can be found here: www.earmp.ca/reports. Past results have found that food is safe to consume and water is safe to drink.



COMMUNITY BASED ENVIRONMENTAL MONITORING PROGRAM (CBEMP)

The CBEMP aims to be a co-learning process that promotes shared knowledge, skills, and engagement with the community. It provides an opportunity for community members to become involved in the program by participating in interviews and sampling traditional foods that they consume for testing. The CBEMP is founded on community members' shared knowledge and engagement. Past CBEMP studies in Fond du Lac, Black Lake and Stony Rapids, and Hatchet Lake and Wollaston Post have found that the food is safe to consume and the water is safe to drink.

Finalized in 2023, the Uranium City and Camsell Portage CBEMP report also found that traditional foods and water sampled from locations selected by local residents were safe for consumption. The report also included several recommendations, namely avoiding the use of lead shot, that community members follow the healthy fish consumption guideline for Beaverlodge, Martin and Cinch Lakes, and that community members should not consume fish or drink water from Nero, Marie, Meadow, Minewater, and Greer lakes and from lower Ace Creek between Ace and Beaverlodge lakes.

DID YOU KNOW?

Gathering and eating traditional foods can help reduce the risk of diabetes, heart disease, and obesity, especially when the foods are cooked in traditional ways.

Fish are an important part of a healthy diet containing high-quality protein, Vitamin B, Vitamin D, omega-3 fatty acids, other essential nutrients.

Wild meat is a good source of protein that is low in saturated fat and is an important source of minerals, vitamins, and iron.

Health Canada created a tailored First Nations, Inuit, and Métis Food Guide that includes both traditional foods and store-bought foods (<https://www.canada.ca/en/health-canada.html>).

HUNTING, FISHING, TRAPPING & GATHERING

Is good for physical health and social well-being.

COMMUNITY-BASED ENVIRONMENTAL MONITORING PROGRAM

Results of the 2020 traditional foods study indicate that chemicals in traditional foods were generally low and within the range for the region, and are not of concern for the community.

For more information or to request a copy of the report please talk to your local AJES representative.

We would like to thank Darlene Gozandjare, Juanita Hansen, Adam Banonie, and George St. Pierre for all their hard work on the project!

MARCI CHO!

This project was managed by **COMENSA**, a not-for-profit environmental services company.

Follow us on: Facebook, LinkedIn

Cameco Proud partners: **Orano**

In 2016, the Ya'athi Néné Collaboration Agreement brought together seven Athabasca Basin communities, Cameco Corporation, and Orano Canada. Within the new agreement a commitment was made to sustain and enhance the community-based environmental monitoring program (CBEMP).

The 2020 CBEMP took place in Wollaston Lake and Hatchet Lake Denesuline First Nation with a traditional food study. The study focused on collecting information from community members on the traditional foods they consume. Community members also shared information on what locations are important to them and which traditional foods should be sampled.

COMMUNITY ENGAGEMENT

Each year, a public meeting and site tour is held to discuss site activities. This meeting provides an opportunity for Cameco to engage local residents and other interested groups regarding the plan and schedule for transferring properties to the Province of Saskatchewan's Institutional Control program.

It also allows residents the opportunity to provide feedback to Cameco and regulators regarding potential concerns.

Feedback provided by local land-users regarding areas used for conducting traditional activities guided decisions around road closures and signage to be posted once the properties are transferred to the IC Program.

2024 ACTIVITIES



Gamma Assessment of Recently Disturbed Areas

- Former mill area following the application of additional cover material in 2022.
- Lower Fay Pit waste disposal site that was covered in 2023.
- The sorted waste rock pile located approximately 200 m south of the former mill site, as this material was used as coarse fill for the mill cover and the closure of the Lower Fay Pit waste disposal site.
- Culvert removal near Meadow Fen Outlet and restricted vehicle access berms near Ace Uplands and Minewater Reservoir.
- Other smaller areas where waste rock has been disturbed during remediation activities.



Road Access

- Cameco met with land users in 2023 to discuss the existing road network that provided access to the former Beaverlodge mining properties.
- Cameco will continue the discussion of road access in 2024 to ensure land users are provided opportunity to continue accessing land for traditional activities.

Signage

- Cameco also discussed with land users about signage to notify future land users where the former Beaverlodge mining properties were located. Signage will be further addressed in 2024.

THANK YOU!

**For additional resources please visit
www.beaverlodgesites.com or contact
Kristin Cuddington with Cameco at 306-956-8149 or
kristin_cuddington@cameco.com.**

