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NUNAVUT WATER BOARD
NUNAVUT IMALIRIYIN KATIMAYINGI
OFFICE DES EAUX DU NUNAVUT

File No: **2BE-NUP2227**

October 13, 2022

Rick Mazur
President & CEO
Forum Energy Metals Corp.
Suite 615, 800 West Pender St.
Vancouver, BC V6C 2V6

Denise Lockett
Lockett Consultation Services Inc.
Unit 341, 415 Commonwealth Road
Kelowna, BC V4V 1P4

Email: mazur@forumenergymetals.com

Email: lockettda@telus.net

RE: NWB Water Licence No: 2BE-NUP2227

Dear Mr. Mazur:

Please find attached Licence No: **2BE-NUP2227** issued to Forum Energy Metals Corp. (Forum or FEMC) by the Nunavut Water Board (NWB or Board) pursuant to its authority under Article 13 of the *Agreement between the Inuit of the Nunavut Settlement Area and Her Majesty the Queen in Right of Canada (Nunavut Agreement)*. The terms and conditions of the attached Licence related to the use of Water and the deposit of Waste are an integral part of this approval.

If the Licensee contemplates the renewal of this Licence, it is the responsibility of the Licensee to apply to the NWB for its renewal. The past performance of the Licensee, new documentation and information, and issues raised during a public hearing, if the NWB is required to hold one, will be used to determine the terms and conditions of the Licence renewal. Note that if the Licence expires before the NWB issues a new one, then Water use and Waste disposal must cease, or the Licensee may be in contravention of the *Nunavut Agreement* and the *Nunavut Waters and Nunavut Surface Rights Tribunal Act (Act)*. However, the expiry or cancellation of a licence does not relieve the holder from any obligations imposed by the licence. The NWB recommends that an application for the renewal of this Licence be filed at least **three (3) months** prior to the Licence expiry date.

It should be noted that in accordance with Section 75(1)(a) of the *Nunavut Planning and Project Assessment Act (NuPPAA)*, the Board is not allowed to issue a permit or authorization for any project proposal that has not been submitted to the Nunavut Planning Commission (NPC) in accordance with Section 76 of *NuPPAA*.

If the Licensee contemplates or requires an amendment to this Licence, the NWB may decide, in the public's interest, to hold a public hearing. The Licensee should submit applications for

amendment as soon as possible to give the NWB sufficient time to go through the amendment process. The process and timing may vary depending on the scope of the amendment; however, a minimum of **sixty (60) days** is required from time of acceptance by the NWB. It is the responsibility of the Licensee to ensure that all application materials have been received and are acknowledged by the Manager of Licensing.

The NWB strongly recommends that the Licensee consult the comments received by interested persons on issues identified. This information is attached for your consideration.¹

Sincerely,

Lootie Toomasie
Nunavut Water Board
Chair

LT/as/rqd

Enclosure: Licence No: 2BE-NUP2227

Comments: CIRNA, DFO and KivIA

Cc: Distribution List – Kivalliq

¹ Crown-Indigenous Relations and Northern Affairs (CIRNA) dated September 14, 2022; Department of Fisheries and Oceans (DFO) dated August 31, 2022; Kivalliq Inuit Association (KivIA) dated- September 19, 2022.

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DECISION

LICENCE NUMBER: 2BE-NUP2227

This is the decision of the Nunavut Water Board (NWB or Board) with respect to an application received on August 15, 2022 for a new Water Licence made by:

FORUM ENERGY METALS CORP.

to allow for the use of water and deposit of waste during camp operations and exploration activities prospecting, geological mapping, rock sampling, ground and airborne geophysics, and diamond drilling associated with the Nunavut Uranium Project within the Kivalliq Region of Nunavut, generally at the geographical coordinates as follows:

Camp(s):

Latitude: 64° 22' 34" N

Longitude: 98° 11' 58" W

Project Extents

Latitude: 64° 24' 06" N

Longitude: 98° 29' 02" W

Latitude: 64° 25' 47" N

Longitude: 98° 19' 42" W

Latitude: 64° 10' 43" N

Longitude: 98° 35' 14" W

Latitude: 64° 07' 02" N

Longitude: 98° 15' 00" W

DECISION

After having determined that the application conforms to the Keewatin Regional Land Use Plan (KRLUP) the Nunavut Planning Commission (NPC)² concluded that the project proposal requires screening by the Nunavut Impact Review Board (NIRB) as per Schedule 12-1 of the *Nunavut Agreement*, the NPC forwarded the Application to the NIRB. Following the NIRB's recommendation that a review is not required³ pursuant to paragraph 92(1)(a) of the NuPPAA, and subject to the NIRB Screening Decision Report's terms and conditions, the NWB decided that the application could proceed through the regulatory process. In accordance with s. 55.1 of the *Nunavut Waters and Nunavut Surface Rights Tribunal Act (Act)* and Article 13 of the *Nunavut Agreement*, public notice of the application was given and interested persons were invited to make representations to the NWB.

After reviewing the submission of the Applicant and considering the representations made by interested persons, the NWB, having given due regard to the facts and circumstances, the merits of the submissions made to it and to the purpose, scope and intent of the *Nunavut Agreement* and of the *Act*, waived the requirement to hold a public hearing, and determined that:

² Nunavut Planning Commission (NPC) Conformity Determination, June 13, 2022.

³ Nunavut Impact Review Board Screening (NIRB) Screening Decision, August 3, 2022.

**Licence No: 2BE-NUP2227 be issued subject to the terms and conditions contained therein
(Motion #: 2022-B1-016)**

Signed this on the 13th day of October, 2022 at Gjoa Haven, NU.

Lootie Toomasie
Nunavut Water Board, Chair
LT/as/rqd

I. BACKGROUND

Forum Energy Metals Corp. (Forum or Applicant or Licensee) is a Vancouver B.C., based exploration company currently exploring for uranium in Saskatchewan, and is now looking to return to Nunavut after a recent claim staking venture in the Territory. Forum acquired ground previously explored by Cameco Corporation (Cameco) between 2005-2012 to the west of Orano's Kiggavik Project near Aberdeen and Judge Sissons Lakes.

Forum's activities will include looking at historical cores, a ground gravity survey over parts of the property and an archaeological survey, which will investigate the proposed drill target areas and a proposed new camp location. Airborne geophysical surveys may also be initiated in 2022 or 2023. The Tatiggaq uranium deposit previously identified by Cameco will be the focus for future drilling, as well as other areas previously identified by Cameco that are prospective for economic uranium deposits. Mineral claims held by Forum include Crown Lands as well as Inuit Owned surface land.

Forum plans to bring fuel to Baker Lake in 2022 and two or three drills and other camp and exploration-related equipment and supplies to Baker Lake by air or barge in 2023. A temporary 20-30-person camp will be built at a new campsite located 100 km west of Baker Lake on Crown Land that is centrally located within the property. Transport to the proposed campsite will be carried out by overland sled trains out of Baker Lake in the spring of 2023 and exploration will be conducted from June to September 2023.

II. PROCEDURAL HISTORY

On **August 15, 2022**, the NWB acknowledged receipt of the Water Licence Application (Application) from Forum Energy Metals Corp. The following documents were submitted by the Applicant:

- Water Licence Application
- NPC File # 149824 [Nunavut Uranium Project]
- NIRB Screening Decision Report
- NIRB Cover Letter, Re: Screening Decision Report
- Business Registry 2021 Annual Report
- Denise Lockett Authorization Letter Feb 16, 2022
- Forum Certificates of Name Change and Articles
- NWB application signature page 080922
- possible water source FEMC 080522
- potential camp and water source FEMC 080522
- Summary English
- Summary Inuktitut
- Uranium Exploration Plan
- Waste Management Plan
- Wildlife Monitoring and Mitigation Plan
- Abandonment and Restoration Plan

- Spill Contingency Plan
- Exploration-Remote Camp Questionnaire
- Updated Summary English
- Forum Map for NIRB 071422
- MSDS sheets
- FEMC consultation log 060522
- FEMC NWB-MM1-MineralExplorationRemoteCamp-SIG (1) 08152022
- FMC_Q22022_FS_FINAL
- FMC_Q22022_MDA_FINAL

On **August 19, 2022**, the NWB concluded that the Application generally met the requirements of section 48(1) of the *Nunavut Waters and Nunavut Surface Rights Tribunal Act (NWSRTA or Act)* and forwarded notice of the Application to interested parties. All parties were invited to make representations to the NWB by **September 19, 2022**.

Submissions were received from Department of Fisheries and Oceans (DFO) on September 1, 2022 and Crown Indigenous Relations and Northern Affairs (CIRNA) on September 14, 2022. On September 19, 2022, the Kivalliq Inuit Association (KivIA) informed the NWB that they do not have comments or concerns. The NWB received responses from the Applicant on **September 22, 2022**. On **September 26, 2022**, Interveners advised that their comments and concerns were resolved.

The NWB has placed in its Public Registry copies of the Application and all comments received from Interveners. This information can be accessed on the NWB's FTP site using the following link:

<ftp://rdwyer@ftp.nwb-oen.ca/registry/2%20MINING%20MILLING/2B/2BE%20-%20Exploration/2BE-NUP2227%20Forum%20Energy%20Metals%20Corp>

III. FILE HISTORY

According to information included on the NWB's file transfer protocol (FTP) site, no licences have been issued by the Nunavut Water Board (NWB or Board) to Forum Energy Metals Corp. in the past for the Nunavut Uranium Project (Project).

IV. GENERAL CONSIDERATIONS

The following sections provide background information relevant to the terms and conditions included in this Licence, in the context of submissions received and/or the Board's rationale.

Term of the Licence

In accordance with s. 45 of the *Nunavut Waters and Nunavut Surface Rights Tribunal Act* (NWNSTRA or *Act*), the NWB may issue a licence for a term not exceeding twenty-five (25) years. In determining an appropriate term for a renewal licence, the Board generally takes into consideration several factors including Interveners' comments, the Licensee's compliance history, as well as the rationale contained in the application.

The Licensee requested in its Application, a five (5) year term for the licence. The Interveners in their submissions did not comment on the term requested. The Board, in examining the completeness and thoroughness of information within the Application, felt that a five-year term was appropriate. The Board has therefore granted the term requested by the Licensee. In so doing, the Board believes and expects that the **five-year term** will provide the Licensee with significant opportunities to consistently abide by the terms and conditions in the Licence over time and provide ongoing compliance record prior to a need for renewal.

Annual Reports

Under Part B, Item 2 of the Licence, the Licensee is required to submit Annual Reports for the purpose of ensuring that the NWB has an accurate annual update of activities related to Water use and deposit of Waste during each calendar year. This information is maintained on the Public Registry and is available to interested parties upon request. A "Standardized Form for Annual Reporting" is to be used by the Licensee and is available from the NWB FTP site under the Public Registry link at the NWB Website:

<ftp://ftp.nwb-oen.ca/other documents/Standardized Forms/>

Water Use

In the Application, Forum has requested a water usage of up to 299 m³ per day. The allocation is 294 m³ for drilling and 5 m³ for domestic usage. Water for drilling activities will be obtained from sources proximal to the drilling targets. No concerns were expressed by the Interveners with respect to the requested freshwater amount, or to the manner, in which it is obtained or used. Terms and conditions for water volume and associated uses are described in Part C of this Licence.

Waste Disposal

Non-combustible solid wastes, bulky items, scrap metals shall be brought to Baker Lake for disposal. All hazardous waste, oils, contaminated soil and water shall be stored in sealed containers and shipped to an approved facility for disposal. Terms and conditions for waste disposal and specifically uranium drilling waste, are included in Part D of this Licence.

Intervener Comments

The following comments were received from Interveners during the review of the Application:

CIRNA: September 14, 2022

- CIRNA found inconsistencies in how exactly drill cuttings will be managed among the Waste Management Plan, Abandonment & Restoration Plan and the Uranium Exploration Plan. To avoid potential confusions, CIRNA recommended an update to all relevant management plans.
 - Forum updated the 3 management plans to remove inconsistencies and submitted revised management plans.
- CIRNA recommended that Forum include secondary containment for petroleum and chemical product storage and handling.
 - Forum updated the Spill Contingency Plan to include provisions for secondary containment for petroleum and chemical product storage and submitted a revised plan.
- CIRNA noted that Forum has stated in a number of application documents that Project facilities or activities “*will be kept greater than 30m from the normal high-water mark of water bodies.*” CIRNA reminded the applicant that the requirement is 31m away from the high-water mark of any natural water bodies.
 - Forum responded that they will comply with the minimum distance requirement of 31m from the high-water mark of any natural water bodies.

DFO: August 31, 2022

- DFO recommended that the proponent review the Standards and Codes of Practice and the Measures to Protect Fish and Fish Habitat. If the Project is able to comply with the conditions and measures set out in the Standards and Codes of Practice or the Measures to Protect Fish and Fish Habitat, a Project review by Fisheries and Oceans Canada is not required.

Kivalliq Inuit Association (KivIA): September 19, 2022

- KivIA informed the NWB that they have no comments at this time.



NUNAVUT WATER BOARD WATER LICENCE

Licence No: 2BE-NUP2227

Pursuant to the *Nunavut Waters and Nunavut Surface Rights Tribunal Act* and the *Agreement Between the Inuit of the Nunavut Settlement Area and Her Majesty the Queen in right of Canada*, the Nunavut Water Board, hereinafter referred to as the Board, hereby grants to

FORUM ENERGY METALS CORP.

(Licensee)

SUITE 615, 800 WEST PENDER ST., VANCOUVER, BC V6C 2V6

(Mailing Address)

hereinafter called the Licensee, the right to alter, divert or otherwise use water or dispose of waste for a period subject to restrictions and conditions contained within this Licence renewal:

Licence Number/Type: **2BE-NUP2227 TYPE "B"**

Water Management Area: **THELON WATERSHED (5)**

Location: **NUNAVUT URANIUM PROJECT, KIVALLIQ REGION, NUNAVUT**

Classification: **MINING UNDERTAKING**

Purpose: **DIRECT USE OF WATER AND DEPOSIT OF WASTE**

Quantity of Water use not to Exceed: **TWO HUNDRED AND NINETY-NINE (299) CUBIC METRES PER DAY**

Effective Date: **OCTOBER 13, 2022**

Expiry of Licence: **OCTOBER 12, 2027**

This Licence renewal, issued and recorded at Gjoa Haven, Nunavut, includes and is subject to the annexed conditions.

**Lootie Toomasie,
Nunavut Water Board, Chair**

PART A: SCOPE, DEFINITIONS AND ENFORCEMENT

1. Scope

This Licence allows for the use of Water and the deposit of Waste for a Mining undertaking classified as per Schedule I and II of the *Regulations* for the Nunavut Uranium Project, located within the Kivalliq Region of Nunavut, within the geographic boundaries:

Camp(s):

Latitude: 64° 22' 34" N

Longitude: 98° 11' 58" W

Project Extents

Latitude: 64° 24' 06" N

Longitude: 98° 29' 02" W

Latitude: 64° 25' 47" N

Longitude: 98° 19' 42" W

Latitude: 64° 10' 43" N

Longitude: 98° 35' 14" W

Latitude: 64° 07' 02" N

Longitude: 98° 15' 00" W

- a. This Licence is issued subject to the conditions contained herein with respect to the taking of water and the depositing of waste of any type in any waters or in any place under any conditions where such waste or any other waste that results from the deposits of such waste may enter any waters. Whenever new *Regulations* are made or existing *Regulations* are amended by the Governor in Council under the *Nunavut Waters and Nunavut Surface Rights Tribunal Act*, or other statutes imposing more stringent conditions relating to the quantity or type of waste that may be so deposited or under which any such waste may be so deposited, this Licence shall be deemed, upon promulgation of such *Regulations*, to be subject to such requirements; and
- b. Compliance with the terms and conditions of this Licence does not absolve the Licensee from responsibility for compliance with the requirements of all applicable Federal, Territorial and Municipal legislation.

2. Definitions

“Act” means the *Nunavut Waters and Nunavut Surface Rights Tribunal Act*;

“Addendum” means the supplemental text that is added to a full plan or report usually included at the end of the document and is not intended to require a full resubmission of the revised report;

“Amendment” means a change to original terms and conditions of this Licence requiring correction, addition or deletion of specific terms and conditions of the Licence; modifications inconsistent with the terms of the set terms and conditions of the Licence;

“Appurtenant Undertaking” means an undertaking in relation to which a use of water or a deposit of waste is permitted by a licence issued by the Board;

“**Board**” means the Nunavut Water Board established under the *Nunavut Agreement* and the *Nunavut Waters and Nunavut Surface Rights Tribunal Act*;

“**Closure and Reclamation Plan**” or “**Abandonment & Restoration Plan**” means a Plan developed to reach the closure goal and taking in account the “Guidelines for the Closure and Reclamation of Advanced Mineral Exploration and Mine Sites in the Northwest Territories” 2013;

“**Effluent**” means treated or untreated liquid Waste material that is discharged into the environment from a structure such as a settling pond, landfarm or a treatment plant;

“**Engineer**” means a professional engineer registered to practice in Nunavut in accordance with the *Consolidation of Engineers and Geoscientists Act S. Nu 2008, c.2* and the *Engineering and Geoscience Professions Act S.N.W.T. 2006, c.16 Amended by S.N.W.T. 2009, c.12*;

“**Greywater**” means all liquid wastes from showers, baths, sinks, kitchens and domestic washing facilities, but does not include toilet wastes;

“**Hazardous Waste**” means Waste classified as “hazardous” by Nunavut Territorial or Federal legislation, or as “dangerous goods” under the *Transportation of Dangerous Goods Act*;

“**High Water Mark**” means the usual or average level to which a body of water rises at its highest point and remains for sufficient time so as to change the characteristics of the land (ref. Department of Fisheries and Oceans Canada, Operational Statement: Mineral Exploration Activities);

“**ICP Scan**” means the laboratory method for determining trace metals in water through Emission Spectroscopy using inductively coupled plasma (including up to approximately 32 elements depending on the laboratory performing the analysis);

“**Inspector**” means an Inspector designated by the Minister under Section 85 (1) of the *Act*;

“**Licensee**” means the holder of this Licence;

“**Modification**” means an alteration to a physical work that introduces a new structure or eliminates an existing structure and does not alter the purpose or function of the work, but does not include an expansion;

“**Nunavut Agreement**” means the “*Agreement Between the Inuit of the Nunavut Settlement Area and Her Majesty the Queen in right of Canada*”, including its preamble and schedules, and any amendments to that agreement made pursuant to it;

“**Regulations**” means the *Nunavut Waters Regulations SOR/2013-69* 18th April, 2013;

“**Sewage**” means all toilet wastes and greywater;

“Spill Contingency Plan” means a Plan developed to deal with unforeseen petroleum and hazardous materials events that may occur during the operations conducted under the Licence;

“Sump” means an excavation in impermeable soil for the purpose of catching or storing water or waste;

“Toilet Wastes” means all human excreta and associated products, but does not include greywater;

“Waste” or **“Wastes”** means, as defined in S.4 of the *Act*, any substance that, by itself or in combination with other substances found in water, would have the effect of altering the quality of any water to which the substance is added to an extent that is detrimental to its use by people or by any animal, fish or plant, or any water that would have that effect because of the quantity or concentration of the substances contained in it or because it has been treated or changed, by heat or other means;

“Water” or **“Waters”** means waters as defined in section 4 of the *Act*.

3. Enforcement

- a. Failure to comply with this Licence will be a violation of the *Act*, subjecting the Licensee to the enforcement measures and the penalties provided for in the *Act*;
- b. All inspection and enforcement services regarding this Licence will be provided by Inspectors appointed under the *Act*; and
- c. For the purpose of enforcing this Licence and with respect to the use of water and deposit or discharge of waste by the Licensee, Inspectors appointed under the *Act*, hold all powers, privileges and protections that are conferred upon them by the *Act* or by other applicable law.

PART B: GENERAL CONDITIONS

1. The Water use fees for the right to the use of Water shall be paid in accordance with Section 12 of the *Regulations*.
2. The Licensee shall file an Annual Report on the Appurtenant Undertaking with the Board no later than March 31st of the year following the calendar year being reported, containing the following information:
 - a. A summary report of Water use and Waste disposal activities for the reporting period including the following:
 - i. quantity of Water (in cubic metres/year) obtained for domestic and other purposes from sources on, in or flowing through Inuit-Owned Lands;

- ii. quantity of Water (in cubic metres/year) obtained for domestic and other purposes from sources on, in or flowing through Crown Lands;
 - iii. quantity of Waste disposed of at on-site Waste disposal facility; and
 - iv. quantity of Waste backhauled to approved facility for disposal;
 - b. A list of unauthorized discharges and summary of follow-up actions taken;
 - c. Any revisions to the Spill Contingency Plan, Abandonment and Restoration Plan and other Plans, as required by Part B, Item 7, submitted in the form of an Addendum;
 - d. Description of all progressive and/ or final reclamation work undertaken, including photographic records of site conditions before, during and after completion of operations;
 - e. Report all artesian flow occurrences as required by Part F, Item 5;
 - f. Details pertaining to location of sump(s) and drill holes;
 - g. Summary of all information requested and results of the Monitoring Program;
 - h. Summary of public consultation/participation, describing consultation with local organizations and residents of the nearby communities, if any were conducted; and
 - i. Any other details on Water use and Waste deposit requested by the Board by November 1 of the year being reported.
3. The Licensee shall notify the NWB of any changes in operating plans or conditions associated with this Project at least thirty (30) days prior to any such change.
 4. The Licensee shall install flow meters or other such devices, or implement suitable methods required for the measuring of Water volumes as required under Part J, Item 1.
 5. The Licensee shall, for all Plans submitted under this Licence, include a proposed timetable for implementation. Plans submitted, cannot be undertaken without subsequent written Board approval and direction. The Board may alter or modify a Plan, if necessary to achieve the legislative objectives, and will notify the Licensee in writing of acceptance, rejection or alteration of the Plan.
 6. The Licensee shall, for all Plans submitted under this Licence, implement the Plan as approved by the Board in writing.
 7. The Licensee shall review the Plans referred to in this Licence, as required by changes in operation and/or technology, and modify the Plans accordingly. Revisions to the Plans shall be submitted in the form of an Addendum to be included with the Annual Report.
 8. Every Plan to be carried out pursuant to the terms and conditions of this Licence shall become a part of this Licence, and any additional terms and conditions imposed upon approval of a Plan by the Board become part of this Licence. All terms and conditions of the Licence should be contemplated in the development of a Plan where appropriate.
 9. The Licensee shall ensure a copy of this Licence is maintained at the site of operations at all times. Any communication with respect to this Licence shall be made in writing to the attention of:

(a) Manager of Licensing:

Nunavut Water Board
P.O. Box 119
Gjoa Haven, NU X0B 1J0
Telephone: (867) 360-6338
Fax: (867) 360-6369
Email: licensing@nwb-oen.ca

(b) Inspector Contact:

Manager of Field Operations, CIRNA
Nunavut District, Nunavut Region
P.O. Box 100
Iqaluit, NU X0A 0H0
Telephone: (867) 975-4284
Fax: (867) 979-6445

10. The Licensee shall submit an electronic copy of all reports, studies, and plans to the Board. Reports or studies submitted to the Board by the Licensee shall include a detailed executive summary in Inuktitut.
11. The Licensee shall ensure that any document(s) or correspondence submitted by the Licensee to the NWB is received and acknowledged by the Manager of Licensing.
12. This Licence is assignable as provided for in Section 44 of the *Act*.

PART C: CONDITIONS APPLYING TO WATER USE

1. Water for domestic purposes shall not exceed five (5) cubic metres per day. The volume of Water used for drilling purposes shall not exceed two hundred and ninety-four (294) cubic metres per day. Water for domestic and drilling purposes shall be obtained from local water source(s) proximal to the Camp and drilling targets. Total water use from all sources, for all purposes shall not exceed two hundred and ninety-nine (299) cubic metres per day.
2. The use of Water from streams or any water bodies not identified in Part C, Item 1 is prohibited unless authorized or approved by the Board in writing.
3. The withdrawal of Water from any stream shall not exceed ten (10) per cent of the low flow of that stream unless approved by the Board in writing.
4. If the Licensee requires Water in sufficient volume that the source water body may be drawn down the Licensee shall, at least thirty (30) days prior to commencement of use of water, submit to the Board for approval in writing, information on the water body that includes, but is not limited to: volume of water required, hydrological overview of the water body, details of impacts, and proposed mitigation measures.

5. The Licensee shall equip all water intake hoses with a screen of an appropriate mesh size to ensure that fish are not entrained and shall withdraw Water at a rate such that fish do not become impinged on the screen.
6. The Licensee shall not remove any material from below the ordinary High-Water Mark of any water body unless authorized.
7. The Licensee shall not cause erosion to the banks of any water body and shall provide necessary controls to prevent such erosion.
8. Sediment and erosion control measures shall be implemented prior to and maintained during the operation to prevent entry of sediment into Water.

PART D: CONDITIONS APPLYING TO WASTE DISPOSAL

1. The Licensee shall implement the “*Waste Management Plan, dated May 2022*” that was submitted as additional information with the Application and has been approved by the Board with the issuance of the Licence.
2. The Licensee shall locate areas designated for Waste disposal, a minimum distance of thirty-one (31) metres from the ordinary High-Water Mark of any water body such that the quality, quantity or flow of water is not impaired, unless otherwise authorized by the Board.
3. The Licensee shall not practice open burning or on-site land filling of domestic Waste, unless otherwise approved by the Board in writing.
4. The Licensee is authorized to dispose of all acceptable food Waste, paper Waste and untreated wood products in an incinerator.
5. The Licensee shall not open burn plastics, wood treated with preservatives, electric wire, Styrofoam, asbestos or painted wood to prevent the deposition of waste materials of incomplete combustion and/or leachate from contaminated ash residual, from impacting any surrounding waters, unless otherwise approved by the Board in writing.
6. The Licensee shall provide to the Board, documented authorization from the receiving community, prior to the backhauling of any non-hazardous Waste for disposal at that community.
7. The Licensee shall backhaul and dispose of all hazardous Wastes, Waste oil and non-combustible Waste generated through the course of the operation at a licensed Waste disposal site.

8. The Licensee shall maintain records of all Waste backhauled and records of confirmation of proper disposal of backhauled Waste. These records shall be made available to an Inspector upon request.
9. The Licensee shall operate and maintain all facilities to the satisfaction of an Inspector.
10. The Licensee shall contain all Greywater in a Sump located at a distance of at least thirty-one (31) metres above the ordinary High-Water Mark of any water body, at a site where direct flow into a water body is not possible and no additional impacts are created, unless otherwise approved by the Board in writing.
11. The Licensee shall contain all Toilet Wastes in latrine pits or use incineration, chemical, portable or composting toilets. Latrine pits shall be located at a distance of at least thirty-one (31) metres above the ordinary High-Water Mark of any water body, treated with lime and covered with native material to achieve the pre-existing natural contours of the land prior to abandonment. Any remaining residue generated from the disposal of Toilet Wastes through incineration, chemical, portable or composting toilets shall be backhauled and disposed of in an approved Waste disposal site.

PART E: CONDITIONS APPLYING TO CAMPS, ACCESS INFRASTRUCTURE AND OPERATIONS

1. The Licensee shall not erect camps or store material on the surface of frozen streams or lakes including immediate banks except what is for immediate use. Camps shall be located such as to minimize impacts on surface drainage.
2. All activities shall be conducted in such a way as to minimize impacts on surface drainage and the Licensee shall immediately undertake any corrective measures in the event of any impacts on surface drainage.
3. Winter lake and stream crossings, including ice bridges, shall be constructed entirely of water, ice or snow. The Licensee should minimize disturbance by locating ice bridges in an area that requires the minimum approach grading and the shortest crossing route. Stream crossings shall be removed or the ice notched prior to spring break-up.
4. Stream crossing shall be a minimum of five hundred (500) meters from spawning areas.
5. With respect to access road, pad construction or other earthworks, the deposition of debris or sediment into or onto any water body is prohibited. These materials shall be disposed a distance of at least thirty-one (31) metres from the ordinary High-Water Mark in such a fashion that they do not enter the Water.
6. The Licensee shall not mobilize heavy equipment or vehicles for trenching or other activities unless the ground surface is capable of fully supporting the equipment or vehicles

without rutting or gouging. Overland travel of equipment or vehicles shall be suspended if rutting occurs.

PART F: CONDITIONS APPLYING TO DRILLING OPERATIONS

1. The Licensee shall implement the “*Uranium Exploration Plan, dated May 2022*” that was submitted as additional information with the Application and has been found acceptable by the Board.
2. The Licensee shall not conduct any land-based drilling within thirty-one (31) metres of the ordinary High-Water Mark of any water body, unless otherwise approved by the Board in writing.
3. The Licensee shall dispose of all drill waste, including Water, chips, muds and salts (CaCl₂) in any quantity or concentration from land-based and on-ice drilling in a properly constructed Sump or an appropriate natural depression located at a distance of at least thirty-one (31) metres from the ordinary High-Water Mark of any adjacent water body, where direct flow into a water body is not possible and no additional impacts are created.
4. Drill mud solids or cuttings with a uranium concentration greater than 0.05 percent are to be collected and then disposed of down the drill hole and sealed.
5. If artesian flow is encountered, drill holes shall be immediately sealed and permanently capped to prevent induced contamination of groundwater or salinization of surface waters. The Licensee shall report all artesian flow occurrences within the Annual Report, including the location (GPS coordinates) and dates.
6. Where drilling activity has penetrated below the permafrost layer, the NWB requests that the proponent records the depth of permafrost and location of the drill hole, to be included within the Annual Report.
7. Drilling additives or mud shall not be used in connection with holes drilled through lake ice unless they are re-circulated or contained such that they do not enter the Water, or are demonstrated to be non-toxic.
8. For “on-ice” drilling where drill additives are not being used, return Water released must be nontoxic, and not result in an increase in total suspended solids in the immediate receiving waters above the Canadian Council of Ministers for the Environment, Guidelines for the Protection of Freshwater Aquatic Life (i.e., 10 mg/L for lakes with background levels under 100 mg/L, or 10% for those above 100 mg/L).
9. The Licensee shall establish water quality conditions prior to and upon completion of any drilling program through lake ice.

PART G: CONDITIONS APPLYING TO MODIFICATIONS

1. The Licensee may, without written consent from the Board, carry out Modifications to the water supply, and waste disposal facilities provided that such Modifications are consistent with the terms of this Licence and the following requirements are met:
 - a. the Licensee has notified the Board in writing of such proposed Modifications at least sixty (60) days prior to beginning the Modifications;
 - b. such Modifications do not place the Licensee in contravention of the Licence or the Act;
 - c. the Board has not, during the sixty (60) days following notification of the proposed Modifications, informed the Licensee that review of the proposal will require more than sixty (60) days; and
 - d. the Board has not rejected the proposed Modifications.
2. Modifications for which all of the conditions referred to in Part G, Item 1 have not been met can be carried out only with written approval from the Board.
3. The Licensee shall provide as-built plans and drawings of the Modifications referred to in this Licence within ninety (90) days of completion of the Modification. These plans and drawings shall be stamped by an Engineer.

PART H: CONDITIONS APPLYING TO SPILL CONTINGENCY PLANNING

1. The Licensee shall implement the “*Spill Contingency Plan, dated May 30, 2022*”, that was submitted as additional information with the Application and has been approved by the Board with the issuance of the Licence.
2. The Licensee shall review the Plan referred to in Part H, Item 1 as required by changes in operation and/or technology and modify the Plan accordingly. Revisions to the Plan are to be submitted in the form of an Addendum, to be included with the Annual Report.
3. The Licensee shall prevent any chemicals, petroleum products or Wastes associated with the Project from entering Water. All Sumps and fuel caches shall be located at a distance of at least thirty-one (31) metres from the ordinary High-Water Mark of any adjacent water body and inspected on a regular basis.
4. The Licensee shall conduct any equipment maintenance and servicing in designated areas and shall implement special procedures (such as the use of drip pans) to manage motor fluids and other Waste and contain potential spills.
5. If during the term of this Licence, an unauthorized discharge of Waste occurs, or if such a discharge is foreseeable, the Licensee shall:
 - a. Employ the Spill Contingency Plan;
 - b. Report the spill immediately to the NWT/NU 24-Hour Spill Line at (867) 920-8130

- and to the Inspector at (867) 975-4284; and
- c. For each spill occurrence, submit to the Inspector, no later than thirty (30) days after initially reporting the event, a detailed report that will include the amount and type of spilled product, the GPS location of the spill, and the measures taken to contain and clean up the spill site.
6. The Licensee shall, in addition to Part H, Item 5, regardless of the quantity of releases of harmful substances, report to the NWT/NU 24-Hour Spill Line, if the release is near or into a water body.

PART I: CONDITIONS APPLYING TO CLOSURE AND RECLAMATION OR TEMPORARY CLOSURE

1. The Licensee shall implement the “*Abandonment & Restoration Plan*”, dated May 2022, which was submitted as additional information with the Application and has been approved by the Board with the issuance of the Licence.
2. The Licensee shall complete all restoration work prior to the expiry of this Licence.
3. The Licensee shall carry out progressive reclamation of any components of the Project no longer required for the Licensee’s operations related to Water use, deposition of Waste into Water and/or Appurtenant Undertaking, subject to the *Act* and *Regulations*.
4. The Licensee shall backfill and restore, to the satisfaction of an Inspector, all sumps, sewage/wash-water pits to the pre-existing natural contours of the land when possible.
5. The Licensee shall remove from the site infrastructures and site material, including but not limited to, all fuel caches, drums, barrels, buildings and contents, docks, water pumps and lines, material and equipment before the expiry of this Licence.
6. All roads and airstrip, if any, shall be re-graded to match natural contour to reduce erosion.
7. The Licensee shall remove all culverts and restore the drainage to match the natural channel. Measures shall be implemented to minimize erosion and sedimentation.
8. In order to promote growth of vegetation and the needed microclimate for seed deposition, all disturbed surfaces shall be prepared by ripping, grading, or scarifying the surface to conform to the natural topography.
9. Areas that have been contaminated by hydrocarbons from normal fuel transfer procedures shall be reclaimed to meet objectives as outlined in the *Government of Nunavut’s Environmental Guideline for Site Remediation, 2010*. The use of reclaimed soils for the purpose of back fill or general site grading may be carried out only upon consultation and approval by the Government of Nunavut, Department of Environment and an Inspector.

10. The Licensee shall restore all drill holes and disturbed areas to natural conditions immediately upon completion of the drilling. The reclamation of drill holes must include the removal of any drill casing materials and, if having encountered artesian flow, the capping of holes with a permanent seal. Where drill casings cannot be removed the Licensee shall cut off the casings at ground level and identify with signage.
11. The Licensee may leave the casings on site, if it intends to continue drilling in existing casings, but shall add signaling to keep the area safe for the other territory users. The drill casings left cannot stay on the field for more than 2 years after the drilling.
12. The Licensee may store drill core produced by the appurtenant undertaking in an appropriate manner and location at least thirty-one (31) metres above the ordinary High Water Mark of any adjacent water body, where any direct flow into a water body is not possible and no additional impacts are created, or as directed by an Inspector.
13. For the long-term storage of drill core, radiation levels must be reduced to less than 1.0 μSv measured at 1 metre from the surface and in no instance is the level allowed to exceed 2.5 μSv .
14. Any drill hole that encounters mineralization with a uranium content greater than 1.0 percent over a length >1.0 metre, and with a meter-percent concentration >5.0, will be sealed by grouting over the entire length of the mineralization zone and not less than 10 meters above or below each mineralization zone
15. Drill holes are to be sealed by cementing (grouting) the upper 30 metres of bedrock or the entire depth of the hole, whichever is less or as otherwise approved by the Board in writing.
16. If the radiation levels for the stored core exceed the levels identified in Part I, Item 13, the Licensee shall submit to the Inspector a detailed report of the test results and the proposed long term core handling and mitigation measures for long term storage or removal.
17. The Licensee shall contour and stabilize all disturbed areas to reduce erosion and sedimentation to Water upon completion of work at the undertaking and as per Part I, Item 3.

PART J: CONDITIONS APPLYING TO THE MONITORING PROGRAM

1. The Licensee shall measure and record, in cubic metres, the daily quantities of Water used for camp, drilling and all other purposes. The daily quantities of Water used for drilling shall be recorded for each Water source used in accordance with Part C, Item 1.
2. The Licensee shall provide the GPS co-ordinates (in degrees, minutes and seconds of latitude and longitude) of all locations where sources of Water are utilized for all purposes.

3. The Licensee shall determine the GPS co-ordinates (in degrees, minutes and seconds of latitude and longitude) of all locations where Wastes associated with camp, exploration and drilling operations are deposited.
4. The Licensee shall obtain representative samples of the Water column below any ice where required under Part F, Item 8. Monitoring shall include but not be limited to the following:
 - Total Suspended Solids
 - pH
 - Electrical Conductivity, and
 - Total Trace Metals as determined by a standard ICP Scan (to include at a minimum, the following elements: Al, Sb, Ba, Be, Cd, Cr, Co, Cu, Fe, Pb, Li, Mn, Mo, Ni, Se, Sn, Sr, Tl, Ti, U, V, Zn), and
 - Trace Arsenic and Mercury
5. All sampling, sample preservation and analyses shall be conducted in accordance with methods prescribed in the current edition of *Standard Methods for the Examination of Water and Wastewater*, or by such other methods approved by the Board.
6. All analyses shall be performed in a laboratory accredited according to ISO/IEC Standard 17025. The accreditation shall be current and in good standing.
7. Where uranium mineralization has been encountered, under Part F, Item 4 and Part I, Items 13 and 14, the Licensee shall monitor the drill Sumps and core storage areas to provide the necessary data needed in order to assess and ensure that the mitigation measures required for restoration under the Abandonment and Restoration Plan have been completed.
8. The Licensee shall include in the Annual Report required under Part B, Item 2, all data, monitoring results and information required by this Part.
9. Additional monitoring requirements may be imposed by Inspector.