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NUNAVUT WATER BOARD
NUNAVUT IMALIRIYIN KATIMAYINGI
OFFICE DES EAUX DU NUNAVUT

File No: **2BE-CPP2325**

June 7, 2023

Donald Penner
President & Director
Arctic Copper Corp.
Suite 1500 - 409 Granville St
Vancouver, BC V6C 1T2

Phone: (778) 212-1950

Email: dfpenner@pennergeological.com

RE: NWB Type “B” Water Licence No: 2BE-CPP2325, Coppermine Project, Arctic Copper Corp.

Dear Mr. Penner:

Please find attached Licence No: **2BE-CPP2325** issued to Arctic Copper Corp. (Licensee or Applicant) 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 the use of Water and the deposit of Waste must cease, or the Licensee may be in contravention of the *Nunavut Agreement* and the *Nunavut Waters and Nunavut Surface Rights Tribunal Act (NWNSTRA)*. 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 s. 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 s. 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 CIRNA and ECCC on issues identified. This information is attached for your consideration.¹

Sincerely,

Lootie Toomasie
Nunavut Water Board,
Chair

LT/as/rh

Enclosure: Licence No: **2BE-CPP2325**
 Comments – CIRNA, ECCC

Cc: Distribution List – Kitikmeot

¹ Crown-Indigenous Relations and Northern Affairs Canada (CIRNA), May 2, 2023 and Environment and Climate Change Canada (ECCC), May 8, 2023.

Table of Contents

DECISION	ii
I. BACKGROUND	iii
II. PROCEDURAL HISTORY	iii
III. FILE HISTORY	iv
IV. GENERAL CONSIDERATIONS	iv
<i>Term of the Licence</i>	v
<i>Annual Report</i>	v
<i>Water Use</i>	v
<i>Camp</i>	v
<i>Deposit of Waste</i>	v
<i>Spill Contingency Plan</i>	vi
<i>Closure and Reclamation</i>	vi
<i>Monitoring</i>	vi
<i>Summary of Comments</i>	vi
WATER LICENCE	1
PART A: SCOPE, DEFINITIONS AND ENFORCEMENT	2
1. Scope	2
2. Definitions	2
3. Enforcement	4
PART B: GENERAL CONDITIONS	4
PART C: CONDITIONS APPLYING TO WATER USE	6
PART D: CONDITIONS APPLYING TO WASTE DISPOSAL	7
PART E: CONDITIONS FOR CAMPS, ACCESS INFRASTRUCTURES AND OPERATIONS	8
PART F: CONDITIONS APPLYING TO DRILLING AND TRENCHING OPERATIONS	8
PART G: CONDITIONS APPLYING TO MODIFICATIONS	9
PART H: CONDITIONS APPLYING TO SPILL CONTINGENCY PLANNING	9
PART I: CONDITIONS APPLYING TO CLOSURE AND RECLAMATION OR TEMPORARY CLOSURE	10
PART J: CONDITIONS APPLYING TO THE MONITORING PROGRAM	11

DECISION

LICENCE NUMBER: 2BE-CPP2325

This is the decision of the Nunavut Water Board (NWB) with respect to an application dated March 28, 2023 for a Type “B” Water Licence made by:

ARCTIC COPPER CORP.

to allow for the use of waters and the deposit of waste during exploration operations and related activities at the at the Coppermine Project, located within the Kitikmeot Region, Nunavut, generally located at the following geographical coordinates:

Project Extents:

Latitude: 67° 54' 19" N	Longitude: 116° 31' 19" W
Latitude: 67° 54' 19" N	Longitude: 114° 47' 07" W
Latitude: 67° 22' 23" N	Longitude: 114° 47' 07" W
Latitude: 67° 22' 23" N	Longitude: 116° 31' 19" W

DECISION

After having been satisfied that the Application is for a proposal that falls outside of an area with an approved land use plan in place, exempt from section 235 of *Nunavut Planning and Project Assessment Act* (NuPPAA), and exempt from screening in accordance with section 12.4.3 of the Nunavut Agreement, and subject to the Nunavut Impact Review Board’s (NIRB’s) previous Screening Decision (NIRB File No: 15EN009) as determined by the Nunavut Planning Commission (NPC)¹, 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:

Licence No: 2BE-CPP2325 be issued subject to the terms and conditions contained therein. (Motion #: 2023-B1-007)

Signed this 7th day of June, 2023 at Gjoa Haven, NU.

Lootie Toomasie
Nunavut Water Board, Chair

LT/as/rh

¹ Nunavut Planning Commission, Determination, dated, February 24, 2023.

I. BACKGROUND

Arctic Copper Corp. has staked 45 mineral claims in the Coppermine River area in 2015. Their primary exploration is for copper, nickel, silver and platinum – group minerals. The project will explore a recent copper mineral discovery as well as other occurrences that were found in the 1960s and earlier.

The Applicant plans to carry out a small exploration program in the summer of 2023. The program will take approximately 30 days to complete and is planned to take place between April and late September, once the necessary permits are obtained. The exploration activities will include: surface geophysical surveys, geochemical soil and rock sampling surveys, prospecting, core drilling and geological mapping.

The Applicant has stated that they are planning for a small drilling program to explore the extent of a recent discovery. The drilling program will consist of approximately 10-15 holes carried out with a drill capable of drilling to a depth ranging from 75m to 200m. No exploration is planned to be conducted on Inuit Owned Lands.

The Applicant has stated that their crew will be housed in Kugluktuk and will be transported to site daily by a helicopter. The drill will be moved from site to site using a helicopter. A small amount of diesel fuel and gasoline will be stored at site for the drill, pumps and ATV (if one is used). The fuel will be stored in drums within a small portable containment kit. The Applicant has requested a term of two (2) years.

II. PROCEDURAL HISTORY

On March 28, 2023, the NWB received from Arctic Copper Corp. a water licence Application (the Application), consisting of the following documents:

- Water Licence Application
- Certificate of Good Standing NU - Arctic Copper Corp.
- NPC Conformity Determination #149907
- Arctic Copper Claims East
- Arctic Copper Claims North
- Arctic Copper Claims West
- Project Summary English
- Project Summary Inuktitut

The following plans and information were submitted on March 30, 2023

- Abandonment & Reclamation Plan
- Spill Contingency Plan
- Waste Disposal Information

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://ftp.nwb-oen.ca/registry/2%20MINING%20MILLING/2B/2BE%20-%20Exploration/2BE-CPP2325%20Arctic%20Copper%20Corp/1%20APPLICATION/2023%20New>

Application Scope

The scope of the Application includes the following:

- Surface geophysical surveys, geochemical soil and rock sampling surveys, prospecting, core drilling and geological mapping;
- Total water use of twenty-five (25) cubic metres per day;
- Deposit of waste; and
- Requested Term of two (2) years.

Procedural History

Following receipt and an internal preliminary review, the NWB informed the Applicant that more information is needed to start processing. The NWB received the requested information on March 30, 2023. The Application was then distributed on March 31, 2023 for a four (4) week review and comment period with the deadline for submission set for April 28, 2023. After the comment deadline, the NWB received submissions from the Crown-Indigenous Relations and Northern Affairs Canada (CIRNA) and Environment and Climate Change Canada (ECCC). The Applicant provided a response to the intervenors' comments on May 16, 2023. CIRNA confirmed, on May 24, 2023, that their concerns had been addressed. ECCC stated in their submission that they do not have any comments at this time.

With respect to pre-licensing requirements, the NWB received the Nunavut Planning Commission's (NPC) Land Use Conformity Determination² for the Undertaking indicating that the project proposal falls outside of the areas with applicable land use plans in place and that a screening by Nunavut Impact Review Board (NIRB) is not required as the previous Screening Decision (NIRB File # 15EN009) issued to the Project remains applicable.

III. FILE HISTORY

The NWB has not issued any licences to this Project in the past.

IV. GENERAL CONSIDERATIONS

The following sections provide general overviews of the rationale for some of the main terms and conditions included under this Licence.

² Nunavut Planning Commission, determination, February 24, 2023.

Term of the Licence

In accordance with s. 45 of the *Nunavut Waters and Nunavut Surface Rights Tribunal Act* (NWNSRTA 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.

In their Application, the Licensee has requested a two (2) year term. No concerns were expressed regarding the requested term. The Board, in examining the factors stated above, felt that the requested term was acceptable for this type of Undertaking.

The Board has therefore granted a two (2) year term for the Licence. In so doing, the Board believes and expects that the two-year term will provide the Licensee with 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 Report

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 Waste disposal 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 file transfer protocol (FTP) site under the Public Registry link at the NWB Website:

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

Water Use

The quantity of water requested by the Applicant is (25) cubic metres per day. The Licensee shall obtain Water, up to a maximum of twenty-five (25) cubic metres per day for drilling activities. Water for drilling shall be obtained from local sources proximal to the drilling targets.

Camp

The Licensee is not authorized to operate a camp under this Licence.

Deposit of Waste

The Licensee has indicated in their Application that all waste generated will be removed from the site everyday at shift change.

Sewage wastes in portable toilets shall be incinerated and/or disposed off in Kugluktuk; solid wastes shall be backhauled to Kugluktuk. Bulky Items/Scrap Metal will be backhauled to Kugluktuk for appropriate disposal. Hazardous waste including waste oil and used oil will be backhauled to Kugluktuk.

Spill Contingency Plan

The Plan named “*Fuel Spill Contingency Plan*” dated December 30, 2023 that was submitted with the application is to be approved with the issuance of the Licence. Conditions for spill contingency planning are included in Part H of the Licence.

Closure and Reclamation

Conditions for Closure and Reclamation are included in Part I of the Licence.

The Plan named “*Abandonment and Reclamation Plan, Arctic Copper Corp. – Coppermine Project*” dated January 2023 that was submitted with the application is to be approved with the issuance of the Licence.

Monitoring

Part J of the Licence details the environmental monitoring requirements. It should also be noted that additional sampling may be imposed by the Inspector.

Summary of Comments

Crown-Indigenous Relations and Northern Affairs (CIRNA) May 2, 2023:

1. CIRNA inquired how and where in relation to water bodies the waste/hazardous waste will be stored prior to its removal from site.
 - a. The Applicant stated that waste will be stored in small plastic leak-proof garbage containers and plastic garbage bags and transported back to Kugluktuk for appropriate disposal at every 12-hour shift change.
2. CIRNA requested that the Applicant confirm that waste and fuel be stored a minimum of 31 meters away from the ordinary high-water mark of any water body.
 - a. The Applicant confirmed that waste and fuel be stored a minimum of 31 meters away from the ordinary high-water mark of any water body.
3. CIRNA recommended that the applicant include all MSDS in the final version of the spill contingency plan.
 - a. The Applicant submitted MSDS for the materials that are planned to be used in the drilling program.
4. CIRNA requested the Applicant to state what and how they plan on incinerating.
 - a. The Applicant stated that there will be no incineration in the field at seasonal

shutdown.

5. CIRNA inquired the applicant to clarify what they plan on using to refill the sumps.
 - a. The Applicant stated that their drill contractor is planning to use a centrifuge, which does not require digging sumps.
6. CIRNA requested the Applicant to clarify whether the drill holes will be capped and if the signage will be removed, and if so, when.
 - a. The Applicant stated that... *“Each drill hole will be cemented shut so that nothing can enter the hole and that no water escapes if there is artesian pressure. The hole location will be identified by a GPS coordinate. No markers will be left protruding from the completed hole.”*

Environment and Climate Change Canada (ECCC) May 8, 2023:

ECCC advised that they will not be providing any comments at this time. If or when this project goes beyond small scale exploration stage, ECCC will be interested in taking another look at the project.



NUNAVUT WATER BOARD WATER LICENCE

Licence No: 2BE-CPP2325

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

ARCTIC COPPER CORP.

(Licensee)

SUITE 1500 – 409 GRANVILLE ST, VANCOUVER, BC V6C 1T2

(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-CPP2325 / TYPE “B”**

Water Management Area: **AMUNDSEN GULF WATERSHED (27) and
COPPERMINE WATERSHED (28)**

Project / Location: **COPPERMINE PROJECT / KITIKMEOT REGION,
NUNAVUT**

Classification: **MINING UNDERTAKING (EXPLORATION)**

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

Quantity of Water use not
to Exceed: **TWENTY-FIVE (25) CUBIC METRES PER DAY**

Effective Date: **JUNE 7, 2023**

Expiry of Licence: **JUNE 6, 2025**

This Licence, 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 (exploration) undertaking classified as per Schedule 1 of the *Regulations* at the Coppermine Project, located approximately 60 kilometers southwest of the Kugluktuk within the Kitikmeot Region, Nunavut.

The activities authorized under this Licence include surface geophysical surveys, geochemical soil and rock sampling surveys, prospecting, core drilling and geological mapping;

- a. This Licence is issued subject to the conditions contained herein with respect to the taking of Water and the deposit 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;

“**Applicant**” means the Licensee;

“**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” 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;

“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 from approximately 22 to 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;

“Secondary Containment” means an impermeable structure, external to and separate from primary containment, which prevents unplanned spills of hazardous materials and provides a minimum capacity of 110% of the original vessel. Where multiple vessels are stored within the containment, it must provide a minimum capacity equal to the sum of the largest vessel and 10% of the aggregate volume of all other vessels located in the containment. This structure shall also provide containment and control of hoses and nozzles;

“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 or Sumps” A structure or depression that collects, controls, and filters liquid Waste before it is released to the environment. This structure should be designed to prevent erosion while allowing percolation of liquid Waste;

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

“Waste” 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 use Waters shall be paid annually 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;
 - b. Quantity of Water (in cubic metres/day) obtained for domestic and other purposes from sources on, in or flowing through Inuit-owned lands for the reporting period;

- c. Quantity of Water (in cubic metres/day) obtained for domestic and other purposes from sources on, in or flowing through Crown Lands reporting period;
 - d. Quantity of Waste disposed of on on-site Waste disposal facility;
 - e. Quantity of Waste backhauled to approved facility for disposal;
 - f. A list of unauthorized discharges and a summary of follow-up actions taken;
 - g. Any revisions to the Spill Contingency Plan and Closure and Reclamation Plan, as required by Part B, Item 7, submitted in the form of an Addendum;
 - h. A description of all progressive and or final reclamation work undertaken, including photographic records of site conditions before, during and after completion of operations;
 - i. Report all artesian flow occurrences as required under Part F, Item 3;
 - j. A summary of all information requested and results of the Monitoring Program;
 - k. Details pertaining to locations of sump(s) and drill holes;
 - l. GPS co-ordinates (in degrees, minutes and seconds of latitude and longitude) for the locations of all temporary camps established in support of the project if the actual coordinates differ from that provided in the application;
 - m. A summary, including photographic records before, during and after any relevant construction activities or Modifications and/or major maintenance work carried out on facilities under this Licence and an outline of any work anticipated for the next year;
 - n. Detailed discussion on the performance, installation, and evaluation, including the use of photographic record, of the primary and secondary containment functions used in fuel storage to safeguard impacts to freshwaters;
 - o. A summary of public consultation/participation, describing consultation with local organizations and residents of the nearby communities, if any were conducted;
 - p. Any other details on Water use or Waste disposal requested by the Board by the 1st November 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 Plan 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, INAC
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 Inuinnaqtun.
11. The Licensee shall ensure that all documents or correspondence submitted by the Licensee to the NWB are received and acknowledged by the Manager of Licensing.
12. This Licence is assignable as provided for in Section 44 of the *Act*.
13. The expiry or cancellation of this Licence does not relieve the Licensee from any obligation imposed by the Licence, or any other regulatory requirement.

PART C: CONDITIONS APPLYING TO WATER USE

1. The Licensee shall obtain Water, up to a maximum of twenty-five (25) cubic metres per day for drilling. Water shall be obtained from local sources proximal to the drilling targets as outlined in the Application. The total volume of water for the purposes of this Licence shall not exceed twenty-five (25) cubic meters per day.
2. The use of Water from streams or any water bodies not identified in Part C, Item 1, is prohibited unless authorized and 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 the following: volume 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 conduct any work below the ordinary High Water Mark of any water body unless approved by the Board in writing.
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 undertaking to prevent entry of sediment into Water.

PART D: CONDITIONS APPLYING TO WASTE DISPOSAL

1. The Licensee shall locate areas designated for Waste disposal at 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 approved by the Board in writing.
2. The Licensee shall not practice on-site land filling of domestic Waste, unless otherwise approved by the Board in writing.
3. The Licensee is authorized to dispose of all acceptable food Waste, paper Waste and untreated wood products in an incinerator.
4. 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.
5. The Licensee shall provide to the Board, documented authorization from the Hamlet of Kugluktuk prior to the backhauling and disposal of any Waste.
6. 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.

7. 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.
8. 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.
9. 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.

PART E: CONDITIONS FOR CAMPS, ACCESS INFRASTRUCTURES AND OPERATIONS

1. No camp activities are authorized under the provisions of this Licence.
2. The Licensee shall conduct all exploration activities 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. The Licensee shall construct all winter lake and stream crossings, including ice bridges, entirely of Water, ice or snow. The Licensee shall 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. The Licensee shall not mobilize heavy equipment or vehicles for drilling 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 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.
2. The Licensee shall dispose of all drill waste, including Water, chips, muds and salts (CaCl₂) in any quantity or concentration, from land-based 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.

3. 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 datum) and dates.
4. 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.
5. No on-ice drilling is authorized under the provisions of this Licence.

PART G: CONDITIONS APPLYING TO MODIFICATIONS

1. The Licensee may, without written consent from the Board, carry out Modifications to the Water Supply Facilities 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. such Modifications are consistent with the NIRB Screening Decision;
 - d. 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
 - e. 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 Board has approved the Plan entitled *Fuel Spill Contingency Plan* dated December, 2022 that was submitted as additional information with the Application.
2. 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.

3. 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.
4. 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 approved Spill Contingency Plan;
 - b. Report the spill immediately to the 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 and the NWB, 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.
5. The Licensee shall, in addition to Part H, Item 4, regardless of the quantity of releases of harmful substances, report to the NWT/NU 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 Board has approved the Plan entitled *Abandonment and Reclamation Plan, Arctic Copper Corp. – Coppermine Project* dated January, 2023, that was submitted as additional information with the Application.
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.
4. The Licensee shall backfill and restore all sumps, sewage/ washwater pits to the pre-existing natural contours of the land.
5. The Licensee shall remove from the site, all infrastructure and site materials, including all fuel caches, drums, barrels, buildings and contents, docks, water intakes, pumps and lines, material and equipment prior to 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 any 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 restoration 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.
13. The Licensee shall contour and stabilize all disturbed areas to reduce erosion and sedimentation to Water, upon completion of work upon completion of 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 that is used from sources located on, in or flowing through Crown Land, utilized for drilling and other purposes.
2. The Licensee shall provide the GPS co-ordinates (in degrees, minutes, and seconds of latitude and longitude) and datum 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) and datum of all locations where Wastes associated with drilling operations are deposited.
4. 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 in writing.
5. All analyses shall be performed in a laboratory accredited according to ISO/IEC Standard 17025. The accreditation shall be current and in good standing.

6. The Licensee shall include in the Annual Report required under Part B, Item 2 all data, monitoring results and information required by this Part.
7. An Inspector may impose additional monitoring requirements.