



ᓄᓇᓂᓪ ᐃᓕᓕᓂᓪ ᑲᓂᓕᓂᓪ
NUNAVUT WATER BOARD
NUNAVUT IMALIRIYIN KATIMAYINGI
OFFICE DES EAUX DU NUNAVUT

File No: **2BE-ANG2227**

April 12, 2022

Colin Smith
Vice President of Exploration
ValOre Metals Corp.
Suite 1020 – 800 West Pender Street
Vancouver, BC V6C 2V6

Email: csmith@valoremets.com

Tara Gunson
Geologist
APEX Geoscience Ltd.
Suite 100 – 11450 160 Street NW
Edmonton, AB T5M 3Y7

Email: tgunson@apexgeoscience.com

RE: NWB Water Licence No: 2BE-ANG2227

Dear Mr. Smith:

Please find attached Licence No: **2BE-ANG2227** issued to ValOre Metals Corp. 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/sk/ri

Enclosure: Licence No: **2BE-ANG2227**

Comments – CIRNA, DFO, ECCC

Cc: Distribution List – Kivalliq

¹ CIRNA Letter, Re: Crown-Indigenous Relations and Northern Affairs Canada's Review of the Amendment and Renewal Application of Water Licence 2BE-ANG1823 for ValOre Metals Corporation's Angilak Property Project in the Kivalliq Region Nunavut, dated March 24, 2022.

DFO to NWB Email, Re: Angilak Property – ValOre Metals Corporation Amendment Application for Water Licence 2BE-ANG1823, dated March 22, 2022.

ECCC to NWB Email, Re: Angilak Property – ValOre Metals Corporation Amendment Application for Water Licence 2BE-ANG1823, dated March 24, 2022.

TABLE OF CONTENTS

I.	BACKGROUND	ii
II.	FILE HISTORY	ii
III.	PROCEDURAL HISTORY	iii
IV.	GENERAL CONSIDERATIONS	v
	<i>Term of the Licence</i>	<i>v</i>
	<i>Annual Reporting</i>	<i>v</i>
	<i>Water Use</i>	<i>v</i>
	Waste Disposal.....	vi
	Management Plans	vi
	Monitoring	vi
	DECISION	vii
	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 OPERATIONS	9
	PART G: CONDITIONS APPLYING TO MODIFICATIONS	10
	PART H: CONDITIONS APPLYING TO SPILL CONTINGENCY PLANNING	10
	PART I: CONDITIONS APPLYING TO CLOSURE AND RECLAMATION OR TEMPORARY CLOSURE.....	11
	PART J: CONDITIONS APPLYING TO THE MONITORING PROGRAM.....	12

I. BACKGROUND

The Angilak Project (Project) is a uranium exploration project located 350 kilometres west of Kangiqtinik (Rankin Inlet) and 225 kilometres southwest of Qamani'tuaq (Baker Lake) in the Kivalliq Region of Nunavut. The Project is owned and operated by ValOre Metals Corp. (ValOre, formerly Kivalliq Energy Corp.). The Project comprises 53 mineral claims and subsurface Inuit Owned Land Parcel (IOL) RI-30 encompassing 43,082.6 hectares.

Activities currently authorized under Water Licence 2BE-ANG1823 include the use of water and disposal of waste associated with camp operations and exploration, including drilling, geological mapping, rock, soil and till geochemical sampling, airborne and ground geophysical surveys, trenching and the establishment of fuel cache (up to 3000 drums of fuel) and fuel storage. Exploration at the Property has been based out of the seasonal Nutaaq Camp, located on the east side of the Property, since March 2010. This camp can accommodate up to 55 persons; and includes a 350 metre long airstrip.

In the current Application, ValOre is requesting an amendment to Water Licence to allow for a temporary/mobile camp to support exploration on the western portion of the property. The temporary/mobile camp may be moved several times during the exploration season and completely removed from site at the end of the exploration season. Current Water Licence authorizes ValOre to use 299 m³/day to support drilling activities (296 m³/day) and operation of the Nutaaq camp (3 m³/day). ValOre is also requesting the Water use allocation be changed to 294 m³/day for drilling activities, 3 m³/day for the Nutaaq camp (no change) and 2 m³/day for the temporary/mobile camp. Exploration activities are anticipated to be conducted annually from March to September. The current Water Licence is set to expire on May 17, 2023. To ensure continuation of its exploration activities or undertakings, ValOre has also requested to renew its Water Licence for 5 years ahead of time.

II. FILE HISTORY

Historically, the Angilak Project has been explored under the licences outlined in Table 1.

Table 1. Project Licensing History

Licence No.	Date Issued	Comments
2BE-ANG0813	August 5, 2008	Initial licence issued to Kivalliq Energy Corp. to allow for the use of fifty-eight (58) cubic metres of water per day in support of camp and exploration activities including drilling, prospecting, staking, and geological mapping.
2BE-ANG0813 Amendment No. 1	January 22, 2010	Licence amended to allow for the relocation of the camp associated with the Project to its current location.

2BE-ANG0813 Amendment No. 2	July 21, 2010	Licence amended to allow for an increase in water use from fifty-eight (58) cubic metres per day to one hundred (100) cubic metres per day to support additional drilling activities.
2BE-ANG1318	March 4, 2013	Licence renewed with no changes to the scope.
2BE-ANG1318 Amendment No. 1	July 10, 2014	Licence amended to increase the total quantity of allowable water use to two hundred and nine-nine (299) cubic metres per day (two hundred and ninety-six (296) m ³ /day for drilling and three (3) m ³ /day for domestic camp use.)
2BE-ANG1318 Modification No. 1	May 20, 2016	The NWB issued an approval for a modification (Modification No. 1) to allow for the use of a small portable excavator to clean out and extend some historical trenches that were excavated within the project area in the 1980s.
2BE-ANG1823	May 18, 2018	Licence renewed with no changes to scope.

III. PROCEDURAL HISTORY

On February 22, 2022, ValOre submitted to the NWB an Application requesting to renew and amend Water Licence No: 2BE-ANG1823. The following documents were included within the Application package:

- Non-technical Summaries in English and Inuktitut;
- Water Licence Renewal Application Form;
- Exploration / Remote Camp Supplementary Questionnaire ;
- Compliance Assessment;
- NPC Determination, dated April 29, 2008;
- NPC Determination, dated February 21, 2022;
- NIRB Screening Decision, dated July 31, 2008;
- Abandonment and Restoration Plan, dated February 1, 2022;
- Reclamation Cost Estimate, dated February 2022;
- Spill Contingency Plan, dated February 1, 2022;
- Environment and Wildlife Management Plan, dated February 1, 2022;
- Fuel Management Plan, dated February 1, 2022;
- Radiation Hazard Control Plan, dated February 1, 2022;
- Waste Management Plan, dated February 3, 2022;
- Letter of Authorization;
- Certificate of Incorporation;
- Certificate of Name Change;

- Financial Statement; and
- Community Consultation Log.

On March 9, 2022, following a preliminary internal technical review, the NWB concluded that the Application met the requirements of section 48(1) of the *Nunavut Waters and Nunavut Surface Rights Tribunal Act (Act)* and forwarded Notice of the Application to interested parties. All parties were invited to make representations to the NWB by March 24, 2022.

On or before the deadline, the NWB received submissions from Crown-Indigenous Relations and Northern Affairs (CIRNA)², Fisheries and Oceans Canada (DFO),³ and Environment and Climate Change Canada (ECCC)⁴. In their submissions, DFO and ECCC indicated that they had no comments or recommendations.

In their submission, CIRNA provided the following comments:

1. Requested clarification about the proposed term of the Licence
 - In correspondence dated April 7, 2022, ValOre clarified that they requested a 5-year term from the time of approval of the amended renewal Licence.
2. Requested clarification as to how the quantities of water usages will be measured or estimated.
 - ValOre clarified that flow meters have been installed at the Nutaaq camp and that the flow meters will also be used to measure water usage at the temporary/mobile camp and the core drills.⁵
3. Recommended to fully implement the Fuel Management Plan, reminding the Licensee that during the inspection, some secondary containment berms of the fuel cache were found filled with water indicating that fuel cache was not regularly inspected and maintained by the Licensee.
 - In correspondence dated April 7, 2022, ValOre responded that they committed to adhere to the Fuel Management Plan.⁴

Complete details on Interveners' submissions received as well as the information provided for the Application are available from the NWB File Transfer Protocol (FTP) site using the following link:

<ftp://ftp.nwb-oen.ca/registry/2%20MINING%20MILLING/2B/2BE%20-%20Exploration/2BE-ANG2227%20ValOre%20Metals%20Corp/4%20LICENCE/1%20LICENCE>

Based on the results of the detailed assessment of the Application, including consideration of any

² CIRNA Letter, Re: Crown-Indigenous Relations and Northern Affairs Canada's Review of the Amendment and Renewal Application of Water Licence 2BE-ANG1823 for ValOre Metals Corporation's Angilak Property Project in the Kivalliq Region Nunavut, dated March 24, 2022.

³ DFO to NWB Email, Re: Angilak Property – ValOre Metals Corporation Amendment Application for Water Licence 2BE-ANG1823, dated March 22, 2022.

⁴ ECCC to NWB Email, Re: Angilak Property – ValOre Metals Corporation Amendment Application for Water Licence 2BE-ANG1823, dated March 24, 2022.

⁵ ValOre to NWB, Re: Comments Response for ValOre Metals Corp. Angilak Project, dated April 7, 2022.

potential accidents, malfunctions, or impacts to Water that the overall Project might have in the area, the Board has approved the Application and has issued Water Licence No: 2BE-ANG2227.

IV. GENERAL CONSIDERATIONS

The Water Licence No: **2BE-ANG2227** will replace the existing Water Licence No: 2BE-ANG1823 and will be effective on April 12, 2022 to allow ValOre for the continuation of activities approved under the existing licence. Since the project activities have essentially remained the same as with the existing, all terms and condition in the amended Renewal Licence will remain the same.

Term of the Licence

The current Water Licence is valid until May 17, 2023. To ensure continuation of its exploration activities or undertakings past the expiration date, in their Amendment Application, ValOre has also requested to renew its Water Licence prior to the Licence expiration date. In accordance with Section 45 of the *Nunavut Waters and Nunavut Surface Rights Tribunal Act*, the NWB may issue a Licence for a term not exceeding twenty-five (25) years. The Applicant requested a five (5) year term, which the Board determined to be consistent with the nature of the Undertaking and has therefore granted. The expiration date for the newly issued Licence will be April 11, 2027. This term will provide the Licensee with a sufficient time for continuation of exploration work and planning of future project activities.

Annual Reporting

As a requirement of section 14(1) of the *Nunavut Waters Regulations* and similar to the terms and conditions generally included in all licences issued by the NWB, the Board has included under [Part B, Item 2](#) of this Licence, requirements to submit Annual Reports for the purpose of ensuring that the NWB has an accurate annual update of the 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 could be supplemented by additional monitoring documentation and Licensee’s annual reporting forms. The NWB Standardized Form is available from the NWB’s FTP site under the following Public Registry link at the NWB Website:

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

Water Use

The current Water Licence permits the Licensee to use a total of two hundred and ninety-nine (299) cubic metres of freshwater *per* day to support drilling activities (296 m³/day) and the Nutaaq camp (3 m³/day). In its Application, ValOre has requested the Water use allocation to be changed to 294 m³/day for drilling activities, 3 m³/day for the Nutaaq camp (no change) and 2 m³/day for the temporary/mobile camp on the western portion of the property, which will be the new addition to the scope of previously approved infrastructure. This temporary/mobile camp may be moved several times during the exploration season and completely removed from site at the end of the exploration season. No concerns were expressed by the Intervener with respect to the requested freshwater amount, or to the manner, in which it is obtained or used. Therefore,

the Water use condition under [Part C, Item 1](#) was modified to reflect these changes. Water use for the Nutaaq camp activities should be obtained from Nutaaq Lake, and Water use for the temporary/mobile camp should be obtained from sources proximal to this camp, unless otherwise approved by the Board.

Waste Disposal

All requirements pertaining to Waste management that were imposed by previous Water Licence have been carried forward into this amended Renewal Licence.

Management Plans

The following Management Plans submitted as part of the Application package are approved by the NWB with the issuance of this Water Licence:

- *“Abandonment and Restoration Plan, Angilak Property, ValOre Metals Corporation”*, dated February 1, 2022;
- *“Fuel Management Plan, Angilak Property, ValOre Metals Corp.”*, dated February 1, 2022;
- *“Radiation Hazard Control Plan, Angilak Property, ValOre Metals Corporation”*, dated February 1, 2022;
- *“Spill Contingency Plan, Angilak Property, ValOre Metals Corp.”*, dated February 1, 2022; and
- *“Waste Management Plan, Angilak Property, ValOre Metals Corporation”*, dated February 3, 2022.

The Board also appreciates submission of the Plan entitled *“Environmental and Wildlife Management Plan, Angilak Property, ValOre Metals Corporation”*, dated February 1, 2022.

The Board reminds the Licensee of the condition in [Part B, Item 7](#) requiring the Licensee to review the Plans approved in the Licence as required by changes in operation and/or technology, and to modify the Plans accordingly for inclusion with the Annual Report.

Monitoring

All Monitoring requirements imposed by previous Water Licence have been carried forward into current Licence under [Part J](#).

DECISION

LICENCE NUMBER: 2BE-ANG2227

This is the decision of the Nunavut Water Board (NWB) with respect to an application dated February 22, 2022 for a Water Licence made by:

VALORE METALS CORP.

to allow for the use of Water and the deposit of Waste during camp operations and activities related to exploration that include drilling, staking, geological mapping, rock and soil/till sampling, airborne and ground geophysics, trenching and the establishment of fuel caches at the Angilak Project located within the Kivalliq Region, Nunavut, generally located at the geographical coordinates as follows:

Project Extents:	Latitude: 62° 47' 14" N	Longitude: 99° 24' 15" W
	Latitude: 62° 47' 10" N	Longitude: 98° 21' 40" W
	Latitude: 62° 27' 35" N	Longitude: 98° 22' 00" W
	Latitude: 62° 27' 38" N	Longitude: 99° 23' 55" W

Nutaaq Camp Location:	Latitude: 62° 34' 15" N	Longitude: 98° 27' 20" W
-----------------------	-------------------------	--------------------------

Temporary Camp:	To be determined
-----------------	------------------

DECISION

After having received confirmation from the Nunavut Planning Commission (NPC)⁶ that the Application is for a proposal that has been previously reviewed by the NPC and that the conformity determinations indicating its conformity with the Keewatin Regional Land Use Plan (KRLUP) issued on April 28, 2008, May 28, 2010, and March 13, 2018 still apply, and that the proposal is still subject to the terms and conditions recommended in the Nunavut Impact Review Board's (NIRB) July 31, 2008 Screening Decision Report No: 08EN052, without requiring additional screening by the NIRB, 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-ANG1823 be replaced as Licence No: 2BE-ANG2227 subject to the terms and conditions contained therein. (Motion #: 2022-B1-002)

Signed this 12th day of April, 2022 at Gjoa Haven, NU.

Lootie Toomasie
Nunavut Water Board, Chair

LT/sk/rqd

⁶ NPC Letter, dated February 21, 2022



NUNAVUT WATER BOARD WATER LICENCE

Licence No: 2BE-ANG2227

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

VALORE METALS CORP.

(Licensee)

1020 – 800 WEST PENDER STREET, 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:

Licence Number/Type: **2BE-ANG2227 / TYPE “B”**

Water Management Area: **KAZAN WATERSHED (07)**

Location: **ANGILAK 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: **APRIL 12, 2022**

Expiry of Licence: **APRIL 11, 2027**

This Licence replacement, 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 1 of the *Regulations* at the Angilak Project, located approximately 240 km southwest of Baker Lake within the Kivalliq Region, Nunavut.

- 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;

“**Closure and Reclamation Plan**” or “**Abandonment and 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;

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

“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 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” 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. 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. List of unauthorized discharges and a summary of follow-up actions taken;
 - c. Any revisions to the Management Plans approved under this Licence, 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, which shall include any temporary camps;
 - e. Report all artesian flow occurrences, as required under [Part F, Item 6](#);
 - f. Details pertaining to location of temporary camps, Sump(s) and drill holes;
 - g. Depth of permafrost and location of the drill hole where drilling activity has penetrated below the permafrost layer;
 - h. Summary of all information requested and results of the Monitoring Program;
 - i. Summary of public consultation/participation, describing consultation with local organizations and residents of the nearby communities, if any were conducted; and
 - j. Any other details on Water use and Waste disposal requested by the Board by the 1st of 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, 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 one (1) 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 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 all Water for the Nutaaq camp use from Nutaaq Lake, not exceeding three (3) cubic metres *per day*. All Water for the temporary/mobile camp use shall be obtained from sources proximal to the camp, not to exceed two (2) cubic metres *per day*. Drill water shall be obtained from sources, proximal to the drilling targets and shall not exceed two hundred and ninety-four (294) cubic metres *per day*. Total Water use, for all purposes associated with the Angilak Project shall not exceed two hundred and nine-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, 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 all communities in Nunavut receiving wastes from the Angilak Project prior to any backhauling and/or disposal of wastes to those communities.
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.
10. The Licensee shall dispose of all Toilet Wastes through incineration, chemical or composting toilets. Any remaining residue generated through the course of the operation shall be backhauled and disposed of in an approved Waste disposal site.

PART E: CONDITIONS FOR CAMPS, ACCESS INFRASTRUCTURES AND OPERATIONS

1. The Licensee shall not erect camps or store material on the surface of frozen streams or lakes including the immediate banks except what is for immediate use. Camps shall be located such as to minimize impacts on surface drainage.
2. The Licensee shall conduct all activities in such a way as to minimize impacts on surface drainage and the Licensee shall immediately undertake 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. 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 following management plans that were submitted as additional information with the Application and have been approved by the Board with the issuance of the Licence:
 - “*Fuel Management Plan, Angilak Property, ValOre Metals Corp.*”, dated February 1, 2022;
 - “*Radiation Hazard Control Plan, Angilak Property, ValOre Metals Corporation*”, dated February 1, 2022; and
 - “*Waste Management Plan, Angilak Property, ValOre Metals Corporation*”, dated February 3, 2022.
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 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. Where drilling activity has penetrated below the permafrost layer, the NWB requests that the proponent record the depth of permafrost and location of the drill hole to be included within the Annual Report.
6. 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.
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 must 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 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 Licensee shall implement the Plan entitled “*Spill Contingency Plan, Angilak Property, ValOre Metals Corp.*”, dated February 1, 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 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 NWT/NU 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.
5. The Licensee shall, in addition to [Part H, Item 4](#), regardless of the quantity of releases of harmful substances, report to the 24-Hour 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 Licensee shall implement the Plan entitled “*Abandonment and Restoration Plan, Angilak Property, ValOre Metals Corporation*”, dated February 1, 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 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 to Water and/or Appurtenant Undertaking, subject to the *Act* and *Regulations*.
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. 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 CIRNA Water Resources 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 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 are used from sources located on, in or flowing through Crown Land, utilized for camp, drilling and other purposes.
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 operations 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 9. Monitoring shall include but not be limited to the following:

Total Suspended Solids
pH
Electrical Conductivity,
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 in writing.
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. An Inspector may impose additional monitoring requirements.