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kNK5 wmoEp5 vtmp5 NUNAVUT WATER BOARD NUNAVUT IMALIRIYIN KATIMAYIT OFFICE DES EAUX DU NUNAVUT

APPLICATION FOR APPROVAL FOR THE USE OF WATER OR DEPOSIT OF WASTE WITHOUT A LICENCE

Refer to the <u>Guide to the Approval for the Use of Water or Deposit of Waste Without a Licence</u> (Guide) in completing this Application.

	ICATION NO: VB use only)					
1.	APPLICANT CONTACT INFORMA (name, address)	ATION	2.	APPLICANT REPRESENTATIVE CONTACT INFORMATION if different from Block 1 (name, address)		
Bronzit	e Exploration Corp.			(3 3, 3 3 3)		
Fax:	647 402 7356 - sam.robb@bronziteexploration.com	ı	Fax: e-mail:	authorization letter)		
3.	NAME OF THE OWNER OF THE L WATER TO BE USED OR THE WA					
Crown	land					
4.	NAME OF PROJECT (consistent with the name of the project issued by other regulatory agencies)					
Somers	set Trough Project					
5.	LOCATION OF UNDERTAKING					
Project	Extents (decimal degree format)					
NW	-95.154730	2.344394				
NE	-95.142464 7	2.342038				
SE	-95.147756 7	2.339584				
SW	-95.160596 7	2.342102				

Cam	p Location(s) (decimal deg	ree format)				
	-95.151548	72.341223				
the G	e of the Water Managemen suide): ern Somerset Island Waters		taking is located. (Please see Appendix D of			
6.	Previous Approvals or l Approval Without a Licen		Undertaking ("Type A", "Type B" or			
	NA or					
	Previous Licence/Approv	al Number: 2WLC-BEC2324	1			
	or cancellation of any բ		in s. 46 of the NWNSRTA, the expiry relieve the holder from any ce.			
7.		CLASSIFICATION OF UNDERTAKING - Indicate the classification of undertaking by checking one of the following boxes.				
	☐ Industrial ☐ Mining ☐ Conservation ☐ Municipal		☐ Agricultural ☐ Recreational ☐ Power ☐ Other: (describe)			
	See Appendix C of the Gu	ide for descriptions of class	ifications of undertakings.			
8.			ENT USED – Provide a brief description of nent that will be used in using water or			
airbo progr Island progr used grour locati Helic called	rne and ground-based geople am will be based out of an ed Watershed and will include am to be conducted from Juduring the 2024 exploration ad-based tasks. Helicopters on and to collect airborne gopter operations will be based in, as required, to conduct	hysical surveys, prospecting xploration camp constructed a spring program to be conne to early September. No oprogram. Only hand tools a and fixed-wing aircraft will be geophysical data. Drones maded mainly at the camp, but fi	In that will include the following activities: It is, sampling, and geological mapping. The id on Crown Land in the Western Somerset inducted March to May, as well as a summer drilling equipment or heavy machinery will be ind a power saw will be used to complete e used to transport personnel to and from field any also be used to collect airborne survey data. Exed-wing aircraft will be based off site and ions.			
Expl	oration Camp					

Construction of an exploration camp to support the Somerset Trough Project will begin in March 2024. The camp will include a series of Weatherhavens for accommodations, dining, camps drys, storage, sample processing, and first aid as well as a small generator building and a prefabricated metal building to enclose the camp incinerator. The Weatherhavens will be heated with diesel heaters complete with spill protection. Camp infrastructure and machinery such as a snowmobile and all-terrain vehicle (ATV) will be mobilized to site using either a Basler DC-3 or Twin Otter aircraft on skis. Camp infrastructure will be transported inland to the camp site using an ATV and snowmobile with trailers. The camp will include:

- 6 shared sleeper tents (14' x 16' each)
- 1 kitchen and dining hall (16' x 48')
- 2 camp dry tents (16' x 24' each)
- 1 storage tent (16' x 24')
- 1 first aid tent (14' x 16')
- 1 washroom with 2 Pacto toilets and small handwashing sink (14' x 16')
- 1 sample processing tent (16' x 24')
- 1 incinerator building
- 1 generator building (8' x 6')

Maps outlining the location and layout of the camp are attached for reference. The area will be ground-truthed by the construction crew and all camp structures will be placed on durable ground and located more than 50 metres from the nearest high-water mark. Exact placement and orientation of the Weatherhavens, incinerator, and generator may vary slightly from the maps provided to ensure stability and integrity of the structures.

A main fuel cache of aviation fuel, diesel, and gasoline in 205 L metal drums will be established near camp and greater than 31 m from the ordinary high-water mark of any water course. See attached maps for the approximate location of the fuel cache. The main fuel cache may contain up to 180,000 L of total fuel at times, and the drums will be placed within pop-up "Insta-Berms" with a volume capacity at least 10% greater than the capacity of the largest container placed therein. The fuel caches will be flagged to make them highly visible and clearly marked with the owner's name and contact information. Fully stocked spill kits will be present at fuel caches and fuel transfer areas. Any fuel caches associated with the program will be reported to the territorial engineer in accordance with the *Territorial Land Use Regulations*.

Minimal water will be used for this exploration program. Surface water will be collected from a nearby water body with a pump or portable containers and used for cooking, drinking, and washing in camp. It is anticipated that 10 m³ or less of water will be used each day to accommodate the staff members. Greywater will be deposited to a sump located more than 31 m from the ordinary high-water mark of any body of water. Human waste will be collected using Pacto toilets and the waste will be incinerated daily along with domestic waste. All water use and waste deposition will be documented and available for review as per requirements of the *Nunavut Water Regulations*.

Please see attached Waste Management Plan, Spill Contingency Plan, Wildlife Management Plan, and Environmental Protection Plan for further details on the environmental and safety management systems that will be employed at the Somerset Trough Project.

Spring Program

The Spring Program will run primarily from March to May and consist of a small crew (10 or less) running helicopter-based Time-Domain Electromagnetic (TDEM) surveys and fixed-wing airborne gravity surveys over the Project area. Helicopter operations will be based out of the field camp with up to two A-Star B3 machines stationed at the camp at any given time during the Spring Program. Fixed-wing surveys will run daily (weather permitting) out of Resolute and will be coordinated between camp personnel, the flight crew,

and flight personnel based in Resolute. The beach along the shorefront will be used as a landing strip for survey aircraft and weekly re-supply flights to site.

Following completion of the Spring Program, the camp will be temporarily shut down, secured, and left unattended for approximately one month before the Summer Program commences. All equipment and machinery will be properly secured within the site structures, and the buildings and Weatherhavens will be secured to keep out wildlife. All domestic waste will be incinerated prior to leaving camp, and all waste that could pose as an animal attractant will be removed from site when crews are demobilized.

Summer Program

The Summer Program will run from late June to early September and consist of a slightly larger crew (20 or less) conducting low-impact reconnaissance including geological mapping, sampling, prospecting, channel sampling with a power saw. Ground-based electromagnetic geophysical surveys will be completed in targeted areas based on results of the Spring Program surveys. There are currently no plans to conduct ground-based work on Inuit-Owned Land during the Summer Program. No ground-based work will be conducted on Inuit Owned Lands without the proper authorizations from either the Qikiqtani Inuit Association (QIA) or the Kitikmeot Inuit Association (KIA).

Field work for the Summer Program will be supported by up to two A-Star B2 or B3 helicopters. Helicopter operations will be based out of the field camp with up to two machines stationed at the camp at any given time. There will also be an ATV brought to site for the safety and convenience of the crew members for use at field locations closer to camp.

Camp Closure

Following completion of the Summer Program, Bronzite proposes keeping the camp on the land for use in 2025 to continue exploration work. As per the *Territorial Land Use Regulations*, Bronzite will seek written approval from the Crown Indigenous and Northern Affairs Canada engineer to leave the camp largely intact until crews return the following year. Equipment will be stored in a manner, at a location, and for a duration approved by the engineer. Machinery such as the site snowmobile will likely be removed from site, while the ATV will likely be securely stored over the winter at the camp site.

All camp equipment will be properly stored within the site structures, and the buildings and Weatherhavens will be winterized and secured to keep out wildlife. Camp sumps will be backfilled and photographed prior to leaving site for reporting purposes. All domestic waste will be incinerated prior to final demobilization, and all ash will be removed from the incinerator chamber, packaged, and removed from site as per the Waste Management Plan. All other waste will be removed from site when crews are demobilized for the year.

Bronzite will conduct a thorough end-of-season inspection of the area to check for:

- Hydrocarbon staining
- Fire and safety hazards
- Debris or litter on the tundra, or unsecured products that could blow onto the tundra
- Possible points of entry for wildlife into camp structures
- Major sources of wildlife attraction, such as leftover food products or open fuel containers
- Compromised or unsealed in the main fuel cache, or fuel that is not contained within secondary containment

Bronzite commits to taking a series of photographs of the camp area prior to final demobilization for reporting purposes.

9.	SCHEDULE – Applicants are advised that ap	provals without a licence are issu	ed for a one year
	term.		1.4/02/2025
	Proposed Start Date:	Proposed Completion Date:	14/03/2025
	(Day/Month/Year)		(Day/Month/Year)
10	TYPE OF USE OF WATER WITHOUT A LIC	PENCE PROPOSED. Chack the	hay that applies
10.	to the type of water use proposed. If none of proposed water use, an application for a water — Completing and Submitting a Water Licence	the water uses listed below applier licence will be required. See the	es to the
	For an undertaking other than a Power unconstruction of a structure across a water ordinary high water mark at the point of construction.	course that is less than 5 metres	
	For an undertaking other than a Power und training of an intermittent watercourse.	dertaking and for a use of water re	elated to the
	For an undertaking other than a Power und training of a watercourse that is less than 5 at the point of training.		
	For an undertaking other than a Power und training of a watercourse that involves the has no inflow or outflow and a surface area	infilling of the watercourse, if the	
	For an undertaking other than a Power und training of a watercourse that involves rem material.		
	For an undertaking other than a Power und construction of a temporary structure in a v		
	For an undertaking other than a Power und the storage of 2,500 m3 or less.	dertaking and for any use of wate	related to
	For an undertaking other than a Power und 50 m ³ per day.		
11.	Block 10, provide the source of water, the est day, and the periods during which water will be	timated quantity to be used in <u>cub</u>	

NUNAVUT WATER BOARD

Type of Water Use indicated in Block 10	Name of water source	Estimated quantity of water to be used in cubic metres per day	Periods during which water will be extracted
Camp water (cooking, drinking, hand-washing)	Appropriate surface water source located near camp site	10	Daily for the extent of the program

12. TYPE OF DEPOSIT OF WASTE PROPOSED - Check the box that applies to the type of deposit of waste proposed. If none of the deposits of waste listed below apply to the proposed deposit of waste, an application for a water licence will be required. See the NWB's <u>Guide 4 – Completing and Submitting a Water Licence Application for a New Licence</u> .							
	For an Industrial undertaking, for an activity related to hydrostatic testing or cleaning of storage tanks and pipelines, and for any deposit of waste resulting from hydrostatic testing or cleaning of unused storage tanks or pipelines.						
	and for any depo		related to quarrying and grosited to surface water and nary high water mark.				
	For a Mining und sewage to a sum		ated to exploratory work, an	y deposit of			
	For a Power und	ertaking, any deposit of sev	wage to a sump.				
	For an Agricultur	al undertaking, any deposit	t of sewage to a sump.				
	For a Conservation	on undertaking, any deposi	it of sewage to a sump.				
	For a Recreation	undertaking, any deposit o	of sewage to a sump.				
	For any Other typ sewage to a sum	_	above, other than Municipa	al, any deposit of			
3.		he quantity in cubic metres	DLVED – For each type of ws/day, measures to avoid or				

Type of Waste indicated in Block 12	Quantity to be deposited in cubic metres per day	Measures to avoid or mitigate any adverse impacts	Periods during which waste will be deposited		
Sewage	1	Sewage will be managed by Pacto toilets. Waste from the Pacto toilets will be incinerated using a dual-chamber, diesel-fired incinerator. Should the incinerator break down, waste will be stored in 205 L metal barrels and shipped off site to an approved waste receiver.	Daily for the extent of the program		
	1	1			
14. SIGNATURE I, Samuel Robb, certify the complete.	_	this form is, to the best of n	ny knowledge, correct and		
	Yes	∐ No			
		OR			
I,representative of the App information given on this		(print name), as nowledge, correct and comp	, certify that the		
	☐Yes	□No			
I certify that the Nunavut Planning Commission's land use planning requirements under Article 11 of the Nunavut Land Claims Agreement have been met.					
	Yes	□No			
I certify that the Nunavut of the NLCA have been r		velopment impact review red	quirements under Article 12		
	Yes	□No			
		out in column 2 of Schedule taking set out in column 1.			

			Yes	□NA	□No	
2 and		3 of the Regu			ut and then further specified in cong that is set out in column 1 of	olumns
			Yes	□NA	□No	
	y that the prop the watercour			aste will not sub	stantially affect the quality, quant	ty or
			Yes		□No	
			se or deposit of w t Owned Lands.	aste will not sub	stantially affect the quality, quant	ity or
			Yes		□No	
would	be entitled to	compensation	under sections 5	8 or 60 of the <u>Nu</u>	ct the use of waters by a person value of waters by a person value of the use of waters by a person of the use	Rights
			Yes		□No	
I certify undert		e is not require	ed for another us	e of water, or dep	posit of waste in respect of the pr	oposed
			Yes		□No	
	read and agre <i>inavut Water</i> s		vith the following	conditions outline	ed in sections 4(3), 5(4), 5(5) and	6 of
1.					waters or deposit waste in relation to the e Act as if that applicant had a licence fo	
2.			using water to minim			
3.		and the measure	s shall be maintained		he bed or banks of a watercourse whose of the undertaking.	waters
	No waste is to b		s shall be maintained	I during the operation		
4.		ne deposited to so	s shall be maintained urface water or within	I during the operation 31 metres of the ord	of the undertaking.	er.
	The waste shall hydrocarbon sh Prior to the clos waste without a	ne deposited to so not contain more een. sure or abandonm licence, whichev	s shall be maintained urface water or within than 15 milligrams parent of the undertakin	I during the operation 31 metres of the ord per litre of petroleum g or end of the period e shall be restored—	of the undertaking. inary high water mark of any body of water	er. a visible sit of

C.			escription and supporting photographs of liest of (i) the day on which the underta	
d.	abandoned, and (ii) the	last day of the period authoriz	ed for the use or deposit without a licen tting the report describing the restoratio	ce; ^b and
		quired by Item 5, if the Board is	period authorized for the water use or dessues a licence for the use of water or c	
	approval for a use of wa	ater or deposit of waste withou	in Item 6 (c), to the Board if the applica t a licence, or a licence for a use of wat e last day of the period authorized for the	er or deposit of
		Yes	□No	
licence will be a The use or dep	authorized for a peri- posit is not authorize	od of one year after the	use of water or deposit of wast day on which the Board approve es the Application and it is only the declaration above.	es the Application.
		Yes	□No	
		d "No" to any of the abov use of water or deposi	ve statements a water licence is t of waste.	required from the
		Yes	□No	
			. ^	
Samuel	Robb	Vice President, Exploration	Mon	27/02/2024
Name (F	Print)	Title (Print)	Signature	Date