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NUNAVUT WATER BOARD

NUNAVUT IMALIRIYIN KATIMAYINGI

WATER LICENCE APPLICATION FORM

Application for: (check one)

☒ New ☐ Amendment ☐ Renewal ☐ Assignment

LICENCE NO: (for NWB use only) nwb2pl3		INTERNAL PC LA OM TA BS ED CEO BRD
1. NAME AND MAILING ADDRESS OF APPLICANT/LICENSEE Qikiqtaaluk Corporation P.O. Box 1228, Iqaluit, Nunavut Territory, Canada, X0A 0H0 Phone: 867-979-8400 Fax: 867-979-8433 e-mail: mhine@nunanet.com	2. ADDRESS OF CORPORATE OFFICE IN CANADA (if applicable) NUNAVUT WATER BOARD MAY 12 2000 PUBLIC REGISTRY Phone: _____ Fax: _____ e-mail: _____	
3. LOCATION OF UNDERTAKING (describe and attach a topographical map, indicating the main components of the Undertaking) The project is situated in the Bathurst Inlet area of Nunavut. It is located west of the Hood River in the vicinity of Pistol Lake and Knutsen Lake, approximately 10 km west of Portage Bay which extends NW from Bathurst Inlet. Latitude: 67° 02' 55"N Longitude: 108° 47' 10"W NTS Map No. 76N/2 Scale 1:50000		
4. DESCRIPTION OF UNDERTAKING (attach plans and drawings) The work program is a mineral exploration project to further test gold-bearing zones identified by companies which worked in the Pistol Lake area during the 1970's and 1980's. The program is composed of two major components: (1) geological mapping and prospecting to evaluate the reliability of previous work; and, (2) diamond drilling to both in-fill between previous work as well as enlarge the area tested by drilling. The goal of the exploration work is to identify an economically viable gold deposit.		
5. TYPE OF UNDERTAKING (A supplementary questionnaire <u>must</u> be submitted with the application for undertakings listed in "bold") <input type="checkbox"/> Industrial <input type="checkbox"/> Remote/Tourism Camps <input type="checkbox"/> Mine Development <input type="checkbox"/> Municipal <input type="checkbox"/> Advanced Exploration <input type="checkbox"/> Power <input checked="" type="checkbox"/> Exploratory Drilling <input type="checkbox"/> Other (describe): _____		
6. WATER USE <input checked="" type="checkbox"/> To obtain water <input type="checkbox"/> To divert a watercourse		

- ☐ To modify the bed or bank of a watercourse ☐ Flood control
☐ To alter the flow of, or store, water ☒ Other (describe): to wash bit cuttings from drill hole
☐ To cross a watercourse

7. QUANTITY OF WATER INVOLVED (litres per second, litres per day or cubic metres per year, including both quantity to be used and quality to be returned to source)

Water will be used for drinking and washing water in the camp and for the diamond drill. Estimated consumption is:

Camp: 300-500 litres per day

Drill: 300-400 litres per hour

8. WASTE (for each type of waste describe: composition, quantity, methods of treatment and disposal, etc.)

- ☒ Sewage ☒ Waste oil
☒ Solid Waste ☒ Greywater
☐ Hazardous ☒ Sludges
☐ Bulky Items/Scrap Metal ☒ Other (describe): fuel drums

9. PERSONS OR PROPERTIES AFFECTED BY THIS UNDERTAKING (give name, mailing address and location; attach if necessary)

Land Use Permit

- DIAND ☒ Yes ☒ No If no, date expected _____
 Regional Inuit Association ☒ Yes ☐ No If no, date expected _____
 Commissioner ☐ Yes ☐ No If no, date expected _____

10. PREDICTED ENVIRONMENTAL IMPACTS OF UNDERTAKING AND PROPOSED MITIGATION MEASURES (direct, indirect, cumulative impacts, etc.)

- Moving the drill between sites may result in limited surface disturbance in an area where similar work was previously carried out. The drill will be skid-mounted to distribute the weight over a large area to mitigate the impact. The drill will be moved by a track-driven tractor which should similarly mitigate adverse impacts over wheel driven vehicles.
- Drilling water from the drill holes will have some limited potential to thaw permafrost. The overburden (soil) thickness in the project area averages less than 5 m thick, so this is not thought to be a major problem – the thin cover can easily refreeze during the winter. Nevertheless, a cold saline solution will be used which will result in very limited thawing. In addition, the fluid will be collected and re-circulated where possible. If practical, drill sites will be selected on exposed bedrock surfaces.

NIRB Screening ☒ Yes ☐ No If no, date expected _____

11. INUIT WATER RIGHTS

Will the project or activity substantially affect the quality, quantity, or flow of water flowing through Inuit Owned Lands and the rights of Inuit under Article 20 of the Nunavut Land Claims Agreement?

No.

11. (Continued)

If yes, has the applicant entered into an agreement with the Designated Inuit organization to pay compensation for any loss or damage that may be caused by the alteration. If no compensation agreement has been made, how will compensation be determined?

12. CONTRACTORS AND SUB-CONTRACTORS (name, address and functions)

Watts, Griffis and McOuat Limited, Suite 400, 8 King Street East, Toronto, ON, M5C 1B5 – project managers
Major-Midwest Drilling Ltd., 180 Cree Crescent, Winnipeg, Manitoba, R3J 3W1 – contract diamond drilling
Discovery Mining Services, P.O. Box, 2248, Yellowknife, NT, X1A 2P7 – camp set-up, project expediting

13. STUDIES UNDERTAKEN TO DATE (list and attach copies of studies, reports, research, etc.)

1964-1966: Roberts Mining Company – geological mapping and drilling of 13 diamond drill holes.
1967-1969: Hope Bay Syndicate – geological mapping and trenching with explosives
1979-1984: Goldfields Exploration – geological mapping and trenching with explosives; ground geophysical surveying
1984-1987: Silver Hart Mines Ltd – trenching with explosives, sampling, drilling of 44 diamond drill holes
1988-1989: Chevron Minerals Ltd. – geological mapping, ground geophysical surveying, drilling of 13 diamond drill holes.
1992: Leeward Capital Corp. – geological evaluation including re-mapping of selected areas, some sampling.

14. THE FOLLOWING DOCUMENTS MUST BE INCLUDED WITH THE APPLICATION FOR THE REGULATORY PROCESS TO BEGIN

Supplementary Questionnaire (where applicable: see section 5) X Yes ___ No If no, date expected _____

Inuktitut/English Summary of Project X Yes ___ No If no, date expected _____

Application fee \$30.00 (c/o of Receiver General for Canada) X Yes ___ No If no, date expected _____

15. PROPOSED TIME SCHEDULE

___ Annual (or) X Multi Year

Start Date: 1 June, 2000 Completion Date: 1 June, 2002

C. MICHAEL HIVE
Name (Print)

MANAGER - MINERAL
Title (Print) DEVELOPMENT

C. Michael Hive
Signature

May 7/00
Date

For Nunavut Water Board use only
APPLICATION FEE

Amount: \$ 30

Receipt No.: C116773

WATER USE DEPOSIT

Amount: \$ _____

Receipt No.: _____