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NUNAVUT IMALIRIYIN KATIMAYINGI
NUNAVUT WATER BOARD
OFFICE DES EAUX DU NUNAVUT

WATER LICENCE APPLICATION FORM

Application for: (check one)

☐ New ☐ Renewal ☒ Amendment ☐ Assignment ☐ Cancellation

LICENCE NO:

(for NWB use only)

1. NAME AND MAILING ADDRESS OF APPLICANT/LICENSEE Attn. Mark Balog, Comaplex Minerals Corp 901, 1015 4th St SW, Calgary, AB T2R 1J4 Phone: (403) 265-2846 Fax: (403) 232-1421 e-mail: mbalog@comaplex.com	2. ADDRESS OF CORPORATE OFFICE IN CANADA (if applicable) _____ Phone: _____ Fax: _____ e-mail: _____
3. LOCATION OF UNDERTAKING (describe and attach a topographical map, indicating the main components of the Undertaking) Meliadine Lake area near Rankin Inlet, Nunavut (see attached maps), Camp located at coordinates below (see attached detail Map 2 of camp infrastructure) Claims for project located on NTS sheets listed below, camp on sheet 55N/01 AMENDMENT This is an application for an amendment to current water license 2BE-MEL0709. We propose that the underground exploration and bulk sample program be added to the ongoing surface exploration that is based at the Meliadine West camp. Our justification for this reasoning is that the increased water use is minimal and the impacts minor and manageable. The details of the underground exploration and bulk sample program are described in the document attached which was submitted to the Kivalliq Inuit Association on whose lands the proposed work would take place. Copies of maps from that document are attached. All proposed work will take place within the boundaries of Commercial Lease KVCL102J168, on which Comaplex has a reclamation bond posted with the KIA. Latitude: (63°1'30" N) Longitude: (92°10'20" W) NTS Map Sheet No. <u>55K/16, 55N/01, 55N/02, 55O/04, 55J/13</u> Scale: <u>1:50,000</u>	
4. DESCRIPTION OF UNDERTAKING (attach plans and drawings) 1. Domestic water supply for camp of 25-50 people by way of submersible pump in Meliadine Lake to provide approximately 5000 litre per day during peak period of April 1 to November 30. 2. Water for diamond drilling, up to 3 drills operated simultaneously (25,000 litres/day per drill) AMENDMENT A ramp and decline will be developed to expose two zones of gold mineralization in the Tiriganiaq Deposit. An open ramp from surface will lead to a portal at -15 meters depth. The underground	

decline will continue for approximately 950 meters to provide access to zones of mineralization that will be mapped, sampled and 4,300 cubic meters of ore will be excavated and brought to surface as a bulk sample.

3. Water for underground drilling - brine recirculation system for dust suppression during blasting. Water will be supplied from nearby lakes (Pump Lake, Peanut Lake - see Maps). 10,000 lt/day for this purpose.

5. **TYPE OF PRIMARY UNDERTAKING** (A supplementary questionnaire **must** be submitted with the application for undertakings listed in "**bold**")

☐ **Industrial**

☒ **Mining and Milling** (includes exploration/drilling)

☐ **Municipal** (includes camps/lodges)

☐ **Power**

☐ **Agricultural**

☐ **Conservation**

☐ **Recreational**

☐ **Miscellaneous** (describe below):

Exploration Camp

See Schedule II of *Northwest Territories Waters Regulations* for Description of Undertakings

6. WATER USE

- ☒ To obtain water
 ☐ Flood control
☐ To cross a watercourse
 ☐ To divert a watercourse
☐ To modify the bed or bank of a watercourse
 ☐ To alter the flow of , or store, water
☐ Other (describe):

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

- Water use**
☒ 100m³/day or less
☐ Greater than 100m³/day; if greater, indicate quantities to be used for each purpose (camp, drilling, etc.)

Water returned to source
50 m³/day

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

- ☒ Sewage
 ☒ Waste oil
☒ Solid Waste
 ☒ Greywater
☒ Hazardous
 ☒ Sludges
☒ Bulky Items/Scrap Metal
 ☒ Other (describe): Drill Water

Sewage - 1 m³/day - incinerated on site

Solid Waste - 3 m³/day - incinerated on site

Hazardous - < 1 m³/day (batteries, aerosol cans) - disposal in Rankin Inlet Municipal Landfill

Bulky Items/Scrap Metal - scrap building materials, bent drill rod - disposal in Rankin Inlet Municipal Landfill

Waste Oil - < 1 m³ / day - incinerated on site

Greywater - 5 m³ / day - wetland, holding pond treatment before return to lake

Sludges - 1 m³/day - retained at drill site or transport to drill site from core facility, disposal to depressions around drill collars at drill sites

Drill Water - (50 m³/day) ponded at drill sites, then allowed to drain to nearest depression

9. OTHER PERSONS OR PROPERTIES AFFECTED BY THIS UNDERTAKING (give name, mailing address and location; attach if necessary) - SEE LIST OF PERMITS ATTACHED
 ALL PERMITS IN GOOD STANDING

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.)

**SEE ENVIRONMENTAL MANAGEMENT SYSTEM ATTACHED (MAY 2007)
NIRB SCREENING COMPLETED FOR 2004 WATER LICENSE APPLICATION AND 2005 AMENDMENT (NWB2MEL0507) FOR THIS PROJECT
NO SUBSTANTIAL CHANGES IN THIS RENEWAL APPLICATION**

AMENDMENT

Roads and pads will cover approximately 3.2 ha; the ramp will be approximately 0.4 ha.

Runoff from the ore pad will be monitored for ARD and ammonia. If water quality does not meet Canadian Water Quality Guidelines for the Protection of Aquatic Life it will be retained by the placement of Aqua Dams and then dispersed by spray irrigation on adjacent uplands to avoid discharge of contaminated water into Pump Lake which is the first major water body below the exploration site.

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

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)

SEE ATTACHED LIST

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

SEE ATTACHED LIST

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

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

Inuktitut and/or Inuinnaqtun/English Summary of Project ☒ Yes ☐ No If no, date expected _____

Application fee of \$30.00 (Payee Receiver General for Canada) ☒ Yes ☐ No If no, date expected _____

Water Use fee of \$30.00 (unless otherwise indicated in Section 9 of the *NWT Waters Regulations*; Payee Receiver General for Canada)

☒ Yes ☐ No If no, date expected _____

15. PROPOSED TIME SCHEDULE (unless otherwise indicated, the NWB will consider the application for a five (5) year term)

☐ one year or less (or) ☒ Multi Year

Start Date: February 15, 2007 Completion Date: February 15, 2009

Mark Balog

**Vice President
Exploration**

_____	_____	_____	_____
Name (Print)	Title (Print)	Signature	Date

For Nunavut Water Board office use only		
APPLICATION FEE	Amount: \$_____	Pay ID No.: _____
WATER USE DEPOSIT	Amount: \$_____	Pay ID No.: _____