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Effective January 1, 2004

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NUNAVUT WATER BOARD  
NUNAVUT IMALIRIYIN KATIMAYINGI

## WATER LICENCE APPLICATION FORM

Application for: (check one)

☐ New ☐ Amendment ☒ X Renewal ☐ Assignment

LICENCE NO:  
(for NWB use only)

**1. NAME AND MAILING ADDRESS OF APPLICANT/LICENSEE**

Twin Mining Corporation  
Suite 1250, 155 University Avenue  
Toronto, Ontario M5H 3B7

Phone: 416-777-0013  
Fax: 416-777-0014  
e-mail: info@twinmining.com

**2. ADDRESS OF CORPORATE OFFICE IN CANADA (if applicable)**

(same as in item #1)

Phone: \_\_\_\_\_  
Fax: \_\_\_\_\_  
e-mail: \_\_\_\_\_

**3. LOCATION OF UNDERTAKING** (see attachments: **“Regional Location Map.ppt”**, **“Twin\_ClaimOutline&SoilSampl.ppt”** and **“Twin\_Topo,Camp,Fuel&Drill.ppt”**)

Twin Mining's Jackson Inlet mineral claims cover an area of 5,086 square kilometers in the mid-portion of the Brodeur Peninsula of Baffin Island. The first diamond-bearing kimberlite pipe discovered to date (“Freightrain”) is located on the west side of the Brodeur Peninsula within 12 kilometres of Jackson Inlet, a natural deep-sea harbour accessible from the regular shipping lane. In 2001, a second pipe, Cargo 1, was discovered by drilling at a site approximately 4.5 kilometers north north east of Freightrain. Evaluation of these pipes and exploration of the overall claim group has been ongoing since the summer of year 2000.

Project camp site:

Latitude: N 73°16'36.2” Longitude: W 88°16'15.5” NTS Map No. 58 D/8 Scale 1:50,000 (or as indicated on attachments)

**4. DESCRIPTION OF UNDERTAKING** (see attachments listed under 3, **“TwinMngJacksonProjectCamp.jpg”** and **“DescriptionOfUndertaking04.doc”**)

The project camp was erected in 2001 and in 2004 will remain the same size and with the same facilities, i.e. 8 wood frame canvass tents capable of housing 20 persons. Exploration has consisted of a 6,641-line km airborne magnetic survey (2001), pitting to excavate a total of 248 t of kimberlite from the Freightrain pipe (2000, -1 & -2), ground magnetic surveys, soil sampling over two thirds of the mineral claims and diamond core drilling - 17 holes/1108 m at Freightrain in 2001, 5 holes/669 m at Cargo 1 (2001-2) and 8 holes/951 m at 4 other sites.

Work planned in 2004 will include an airborne magnetic survey, ground magnetic surveys, soil sampling and the drilling of an estimated 1,500 m of core at 6 sites within 31 km of the project camp. Soil sampling in the most southerly portion of the mineral claim group may be done with helicopter and sampling crew based in Arctic Bay or Nanisivik rather than at the project camp. Alternatively, the crew of 4 samplers may set up a small portable tent (10' X 12' fly camp) for a few weeks at each of several sites within the southern portion of the claim group.

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

- ☐ **Industrial**
☐ **Agricultural**  
☐ **Mining and Milling**
☐ **Conservation**  
☐ **Municipal** (includes camps/lodges)
 ☐ **Recreational**  
☐ **Power**
☒ **Miscellaneous** (includes exploration/drilling)  
 (describe): **exploration & drilling as described in 4**

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

## 6. WATER USE

- ☒ To obtain water
 ☐ 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 cross a watercourse

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

**Domestic use at approx 20 litres per day per person (total of about 300 litres per day).**

**Drilling use at 10,000 litres per day – effective total of 50 days.**

## 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): \_\_\_\_\_

## 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 N/A  
 Commissioner ☐ Yes ☒ No If no, date expected N/A

## 10. PREDICTED ENVIRONMENTAL IMPACTS OF UNDERTAKING AND PROPOSED MITIGATION MEASURES (direct, indirect, cumulative impacts, etc.) **No environmental impacts**

NIRB Screening ☐ Yes ☒ No If no, date expected N/A

## 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)

**NordQuest: Richard Roy 110 Curé Roy Val d'or, consulting geologist (contract not finalized)**

**Diamond drilling, trenching contractor and helicopter contractor still to be determined**

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

**See #4 on previous page and attached "DescriptionOfUndertaking04.doc"**

**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/English Summary of Project ☒ Yes \_\_\_ No If no, date expected \_\_\_\_\_

Application fee \$30.00 (Payee Receiver General for Canada) ☒ Yes \_\_\_ No If no, date expected \_\_\_\_\_  
(fee accompanies printed and signed copy of this document sent by Canada post 31/03/04)

Water Use fee (see Section 9 of the *NWT Waters Regulations*; Payee Receiver General for Canada)  
\_\_\_ Yes \_\_\_ No If no, date expected \_\_\_\_\_

**15. PROPOSED TIME SCHEDULE**

☒ Annual (or) \_\_\_ Multi Year

Start Date: **July 2004** Completion Date: **September 2004**

**Dallas Davis, Exploration Consultant to Twim Mining Corporation**

Name (Print)

Title (Print)

Signature

**31/03/04**

Date

For Nunavut Water Board use only

**APPLICATION FEE** Amount: \$ \_\_\_\_\_ Pay ID No.: \_\_\_\_\_

**WATER USE DEPOSIT** Amount: \$ \_\_\_\_\_ Pay ID No.: \_\_\_\_\_