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Effective January 1, 2004

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NUNAVUT WATER BOARD
NUNAVUT IMALIRIYIN KATIMAYINGI

WATER LICENCE APPLICATION FORM

Nunavut Water
Board

AUG 19 2005

Public Registry

Application for: (check one)

☐ New ☒ Amendment ☐ Renewal ☐ Assignment

LICENCE NO:

(for NWB use only)

1. NAME AND MAILING ADDRESS OF APPLICANT/LICENSEE

Wolfden Resources Inc.
309 Court Street South
Thunder Bay, Ontario
P7B 2Y1

Phone: (807) 346-1668

Fax: (807) 345-0284

e-mail: dave.stevenson@wolfdenresources.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)

The Ulu gold deposit is located in the Nunavut Territory of Canada at longitude 110° 58' W and latitude 66° 54' N on NTS map sheet 76L14 and 76L 15. It is situated 155 km north of Lupin, 220 km southeast of Kugluktuk, 365 km southwest of Cambridge Bay and 530 km north of Yellowknife (see attached Figure 1).

The exploration site is located in the treeless tundra where rock and glacial features dominate the landscape, accessible year-round only by aircraft (see attached Figure 2). Bulk items were brought on site via winter road and during exploration activity, day to day supplies are flown to camp. The area is characterized by severe climate with typical temperatures ranging throughout the year between -50 °C in winter to +30 °C in summer. Permafrost in this area generally extends to several hundred metres.

The facilities at the Ulu project consist of a "Weatherhaven" camp with sleeping, dining, and recreation quarters (50-person capacity), a vehicle repair shop, power house, warehouse, cold storage, office and change rooms. Also at the site are a fuel storage tank farm, fresh water and sewage systems, garbage incinerator, and ore storage area. The camp is expected to accommodate 40-50 staff during the 8-month exploration season (March – October).

Latitude: 66° 54' 27.8" Longitude: 110° 58' 24.1" NTS Map No. 76L 14/15 Scale: None

4. DESCRIPTION OF UNDERTAKING (attach plans and drawings)

Water License #NWB1ULU0008 was issued for the purpose of authorizing the use of water and disposal of waste into water in conjunction with exploration activities at this site. This license amendment application is only for the purpose of removing the fecal coliform parameter from the list of effluent quality requirements outlined in Part D, Section 18 of the license. Plans and drawings of the undertaking were previously submitted. An overview of the exploration camp layout (Figure 3) is included for the convenience of the reviewers. Besides the removal of the fecal

coliform effluent quality parameter, no changes to the undertakings are proposed.

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

- | | |
|---|---|
| <input type="checkbox"/> Industrial | <input type="checkbox"/> Agricultural |
| <input type="checkbox"/> Mining and Milling | <input type="checkbox"/> Conservation |
| <input type="checkbox"/> Municipal (includes camps/lodges) | <input type="checkbox"/> Recreational |
| <input type="checkbox"/> Power | <input checked="" type="checkbox"/> Miscellaneous (includes exploration/drilling)
(describe): |

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

6. WATER USE

- | | |
|---|--|
| <input checked="" type="checkbox"/> To obtain water | <input type="checkbox"/> To divert a watercourse |
| <input type="checkbox"/> To modify the bed or bank of a watercourse | <input type="checkbox"/> Flood control |
| <input type="checkbox"/> To alter the flow of, or store, water | <input type="checkbox"/> Other (describe): |
| <input type="checkbox"/> 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)

Ulu is currently consuming and therefore discharging on average 5 cubic meters of water per day from West Lake and to East Lake, respectively. Our water license allows us to consume up to 100 cubic meters per day.

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

- | | | |
|--|--|--------------|
| <input type="checkbox"/> Sewage | <input type="checkbox"/> Waste oil | * see page 8 |
| <input type="checkbox"/> Solid Waste | <input type="checkbox"/> Greywater | |
| <input type="checkbox"/> Hazardous | <input type="checkbox"/> Sludges | |
| <input type="checkbox"/> Bulky Items/Scrap Metal | <input type="checkbox"/> Other (describe): | |

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

Land Use Permit **KTL304C007**

DIAND ☐ Yes ☐ No If no, date expected _____

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

Kitikmeot Inuit Association, P.O. Box 360, Kugluktuk, Nunavut, X0B 0E0

Commissioner ☐ Yes ☐ No If no, date expected _____

10. PREDICTED ENVIRONMENTAL IMPACTS OF UNDERTAKING AND PROPOSED MITIGATION MEASURES (direct, indirect, cumulative impacts, etc.)NIRB Screening ☐ Yes ☐ No If no, date expected _____

The rationale for this minor license amendment is outlined on the attached August 4, 2005 letter addressed to Mr. Philippe di Pizzo. The summary is reproduced below.

There is minimal public exposure to treated sewage effluent discharged from the Ulu project site to East Lake. As a result, it is recommended that the treated sewage effluent not be disinfected prior to discharge to East Lake. This recommendation is consistent with the 1992 Northwest Territories wastewater guidelines and, if implemented, would simplify treatment plant operations and eliminate any potential aquatic health risks associated with residual chlorine. To facilitate implementation of this recommendation, Wolfden Resources Inc. is requesting the water license # NWB1ULU0008 be amended to remove the Fecal Coliform parameter from the list of effluent quality requirements outlined in Part D, Section 18. Please also see August 4, 2005 letter (appended) for additional background and rationale.

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)

Gartner Lee Ltd., c/o Ms Glenda Fratton, 840 7th Avenue SW, Suite 1605, Calgary, Alberta, T2P 3G2
Gartner Lee was hired by Wolfden Resources Inc. to perform environmental services related to the Ulu and High Lake projects.

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

Key documents supporting this license amendment application are listed below:

- June 17, 2005 Letter from Mr. David Stevenson, Wolfden Resources to Mr. Philippe di Pizzo, Nunavut Water Board (attached)
- Guidelines for the discharge of Treated Municipal Wastewater in the Northwest Territories (1992)

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 _____

This minor license amendment application is only for the purpose of removing a sewage effluent discharge parameter (fecal coliforms) from water license NWB1ULU0008. Because no changes to the undertakings are proposed, a supplementary questionnaire is not included in this minor license amendment application (per discussion with D. Filiatrault, Nunavut Water Board, August 3, 2005).

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 _____Water Use fee (see Section 9 of the *NWT Waters Regulations*; Payee Receiver General for Canada)Paid March 17, 2005 for July 1, 2004 to June 30, 2005 ☐ Yes ☐ No If no, date expected _____**15. PROPOSED TIME SCHEDULE**☐ Annual (or) ☐ Multi Year

Start Date: _____

Completion Date: _____

David B. Stevenson
Name (Print)Project Manager, Ulu
Title (Print)
SignatureAug 4/05
Date

For Nunavut Water Board use only

APPLICATION FEE Amount: \$ _____ Pay ID No.: _____

WATER USE DEPOSIT Amount: \$ _____ Pay ID No.: _____