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kNK5 wmoEp5 vtmpq  
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)

<p><b>1. NAME AND MAILING ADDRESS OF APPLICANT/LICENSEE</b></p> <p>5050 Nunavut Limited (subsidiary of MIE Metals Corp.) Suite 507 - 700 West Pender Street Vancouver, British Columbia, Canada V6C 1G8</p> <p>Phone: <u>604-681-4001</u> Fax: <u>604-681-4022</u> e-mail: <u>pvanbui@miemetals.com</u></p>	<p><b>2. ADDRESS OF CORPORATE OFFICE IN CANADA (if applicable)</b></p> <p><u>MIE Metals Corp.</u> <u>Suite 507 - 700 West Pender Street</u> <u>Vancouver, British Columbia, Canada</u> <u>V6C 1G8</u></p> <p>Phone: <u>604-681-4001</u> Fax: <u>604-681-4022</u> e-mail: <u>pvanbui@miemetals.com</u></p>
<p><b>3. LOCATION OF UNDERTAKING</b> (describe and attach a topographical map, indicating the main components of the Undertaking)</p> <p>Latitude: (66°54'45" N)      Longitude: (115°14'27" W) NTS Map Sheet No. <u>86J/11, 86O/3, 4, 6</u> Scale: <u>Attached figure 1-2 is 1:250,000</u></p> <p><u>The property is located in the eastern part of the Hornby Bay Basin, situated approximately 70 to 100 kilometers south of the community of Kugluktuk on the Coronation Gulf, Nunavut. Access to the property is by air and there are several lakes in the vicinity of the claims, which are large enough for planes (typically Twin Otters) to land on. These include Mouse, All Night, Spears, McGregor, and Drill Lakes.</u></p>	
<p><b>4. DESCRIPTION OF UNDERTAKING</b> (attach plans and drawings)</p> <p>The project is situated over a north-south trending layered mafic to ultramafic intrusive body called the Muskox Intrusion that geologically hosts nickel, copper and platinum group elements (Ni-Cu-PGE) as well as uranium within the adjacent sedimentary basin. Exploration efforts by 5050 Nunavut Limited, targets both Ni-Cu-PGE and uranium.</p> <p>In 2007, 5050 Nunavut Limited was approved for an exploration camp located at Iceberg Creek on the southern shores of McGregor Lake. Upon written request by the Kitikmeot Inuit Association, the camp was relocated to the northern shores of McGregor Lake. This site, now known as the McGregor Lake Campsite, is a pre-existing campsite that was once operated by Inco Limited. 5050 Nunavut Limited subsequently referbished and expanded the camp to accommodate 30 persons.</p> <p>Amongst prospecting, geochemical sampling, and geophysical surveys was a diamond drilling</p>	

exploration program aimed at completing 10,000 meters of NQ core. In 2007, 4 NQ diamond drill holes totaling 2,858 m was completed on claim M1 and one diamond drill hole totaling 266 meters was completed on claim DM72. Efforts in 2008 to the Present to complete the remaining 6,876 meters of NQ diamond drilling has been hampered by low commodity prices and the transfer of the Company's ownership from being a subsidiary of Adriana Resources Inc. to being a subsidiary of MIE Metals Corp.

It is the intent of upcoming exploration efforts to complete the remaining 6,876 meters of NQ diamond drilling. As such, the description of work for the project has not changed from submissions made in 2007.

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

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

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"/> Flood control                          |
| <input type="checkbox"/> To cross a watercourse                     | <input type="checkbox"/> To divert a watercourse                |
| <input type="checkbox"/> To modify the bed or bank of a watercourse | <input type="checkbox"/> To alter the flow of , or store, water |
| <input type="checkbox"/> 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** ☒ 100m<sup>3</sup>/day or less  
☐ Greater than 100m<sup>3</sup>/day; if greater, indicate quantities to be used for each purpose (camp, drilling, etc.)

For camp use, it is estimated that 3.0 cubic meters of water will be used per day for a camp population of 30 people. The grey water will be returned to a sump to be biologically treated. Pacto toilet systems will be used; these systems require no water for their operation.

For drill use it is estimated that 5.0 cubic meters of water per day will be used for drilling. Drill water will be re-circulated; therefore actual amount will depend on the friability of the rock.

**Water returned to source**

3.0 m<sup>3</sup>/day

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

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

Grey water – all camp discharge water; estimated for 30 people at 3.0 cubic metres per day of wash water, shower water and kitchen water, will be biologically treated in a sump. The sump will be located 100m from the high water mark.

Sewage – All sewage will be collected with the Pacto toilet system. The resultant encapsulated waste will be burned in the incinerator.

Waste oil – Waste oil volumes from the camp and related activities will be less than 0.04 cubic metres per week. Waste oil will be incinerated or used for heating purposes.

Bulky Items/Scrap Metal - Bulky items and scrap metal will be back hauled from the site for recycling or disposal in the Yellowknife landfill.

Solid wastes – Volumes of solid waste will vary with the daily population of the camp and project activities. All combustible solid waste will be burned daily in an incinerator. The non-combustible solid waste will be packaged up and flown out to Yellowknife or Kugluktuk.

Hazardous Waste - Waste oil volumes from the camp and related activities will be less than 0.04 cubic metres per week. Waste oil will be incinerated or used for heating purposes. Uranium may also be encountered in the drill cores.

5050 Nunavut currently holds Nunavut Waste Generator # NUG 100022 (attached in the appendices). All such waste will be documented and transported from the Project area for proper disposal. The same

individual in charge of documenting the hazardous wastes will have completed a course in the Transportation of Dangerous Goods specifically designed to train geologists in the safe transport of nuclear substances.

For the long term storage of drill core, radiation levels will be reduced to less than 1.0 µSv measured at 1.0 meter from the surface and in no instance will the level be allowed to exceed 2.5 µSv. In practice, it is anticipated that major uranium intersections will be transported to the Saskatchewan Research Council for testing and storage at their nuclear materials storage facility

Attached is Appendix D from the Spill an Contingency Plan, which outlines the Company's Uranium Exploration Plan.

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

The land affected by the undertaking is administered by the Kitikmeot Inuit Association. It lies within the Inuit land parcels: CO53, CO60, CO61, CO62. 5050 Nunavut owns or has applied for all the mineral tenures underlying the sites.

**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.)

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. The operation of the existing McGregor Lake camp will not affect the quality, quantity or flow of water flowing through Inuit Owned Land. Water from the Muskox Intrusion area has been used for drilling and human consumption since the 1950s with no detectable adverse impacts.

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?

N/A

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

Franz Environmental Inc., 308-1080 Mainland Street, Vancouver, B.C. V6B 2T4 (Environmental Consulting)  
Kikiak Construction, 56 Kugluktuk Dr, Kugluktuk, NU, Canada (Inuit helpers and expediting)  
BBE Logistics, #18 Yellowknife Airport, Yellowknife NT, X1A3T2 (Expediting)  
Major Drilling Group International Inc., 180 Cree Crescent Winnipeg, MB Canada, R3J 3W1 (Drilling)  
Remote Helicopters, Box 1340 Slave Lake, AB, T0G 2A0 (Helicopter Support)  
Fixed wing aircraft will be contracted from any of the following (depending on which contractor is available)

Air Tindi, 28 Mitchell Drive, PO Box 1693, Yellowknife NT, X1A 2P3 (Fixed Wing Support)  
 Adlair Aviation, Box 2946, Yellowknife NT, X1A 2R3 (Fixed Wing Support)  
 Air Thelon, 3501 Ingraham Dr, Yellowknife NT, X1A 2E8 (Fixed Wing Support)  
 Arctic Air, Yellowknife NT, (Fixed Wing Support)  
 Arctic Sunwest Charters, PO Box 1807, 100 Dickins Street, Yellowknife NT, X1A 2P4 (Fixed Wing Support)  
 Buffalo Airways, PO Box 2015, 108 Berry St, Yellowknife, NT, X1A 2R3 (Fixed Wing Support)  
 1984 Enterprises Inc, 250-355 Burrard Street, Vancouver, BC, V6C 2G6 (First Aid and Catering)

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

A Phase I/II Environmental Site Assessment was conducted in 2004 by Golder and Associates on behalf of INAC. This report provides an inventory of the historical activities conducted at the camp.

**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: July 20, 2010 Completion Date: July 20, 2015

Phu Van Bui  
Name (Print)

Project Geologist  
Title (Print)

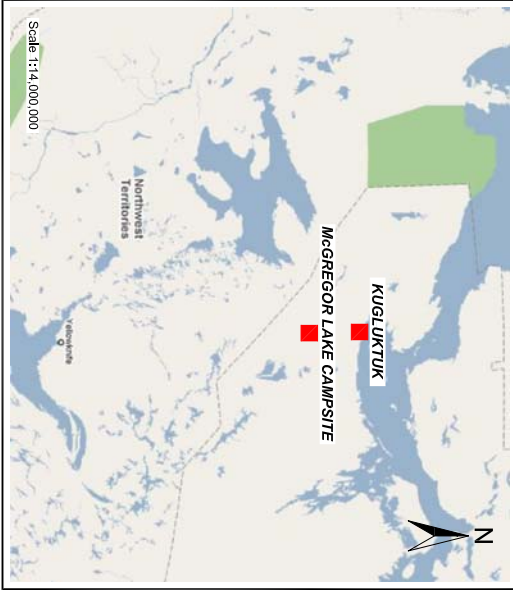
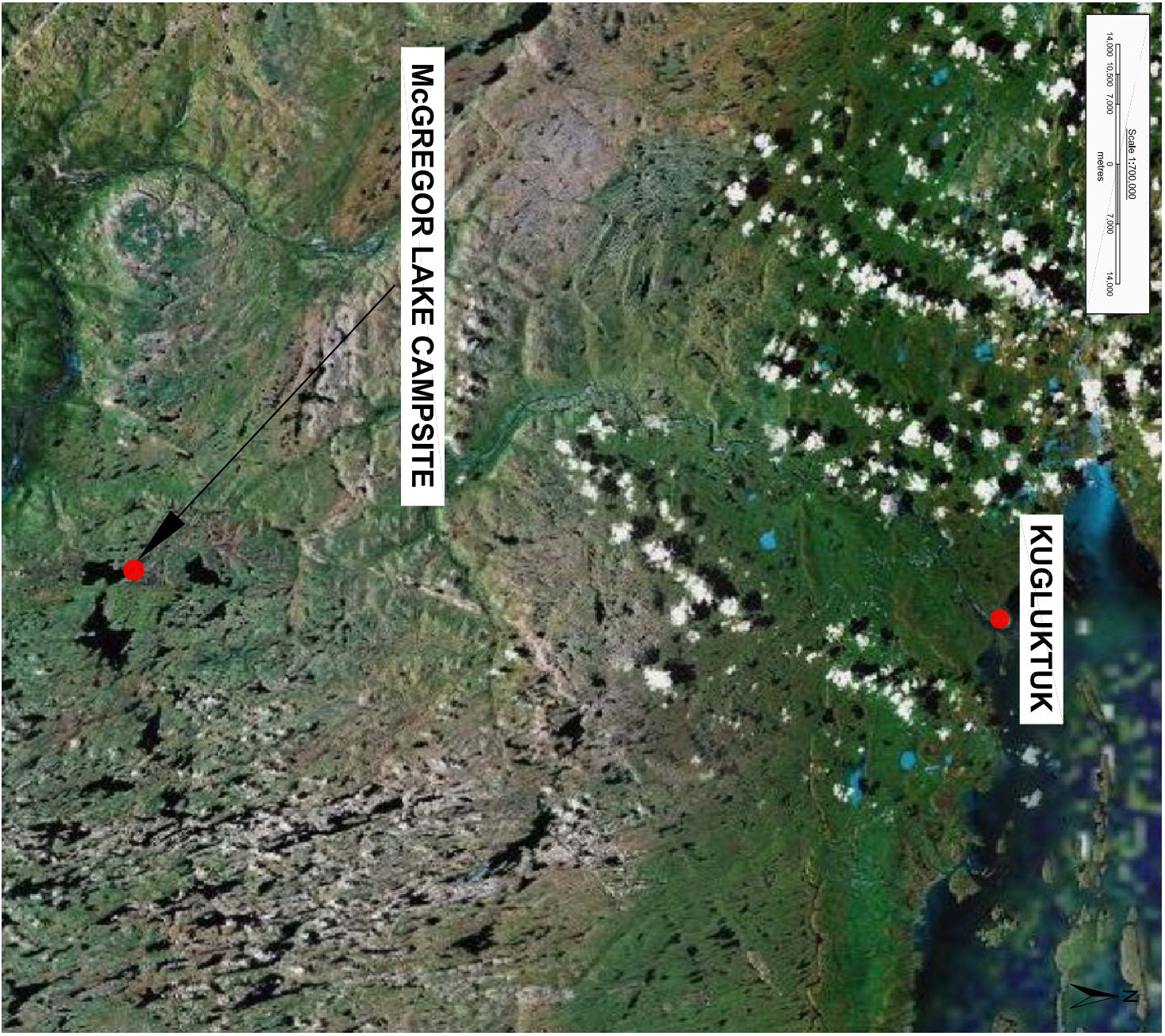
\_\_\_\_\_  
Signature


March 31, 2010  
Date

**For Nunavut Water Board office use only**

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

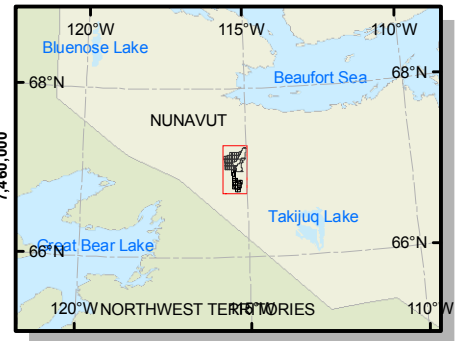
**WATER USE DEPOSIT** Amount: \$ \_\_\_\_\_ Pay ID No.: \_\_\_\_\_



Title:		SITE LOCATION	
Project:		CAMPSITE PERMIT RENEWAL AND AMENDMENT	
Client:		5050 NUNAVUT LTD.	
 <b>FRANZ ENVIRONMENTAL INC.</b> CONSULTING • ENGINEERING • TECHNOLOGIES		Date:	
		DECEMBER 2007	
		FIGURE 1-1	



# 5050 Nunavut Ltd



## LEGEND

- Proposed DH Location
- ◆ McGregor Camp Site
- ▭ IOL Agreements
- ▭ Claim boundary
- ▭ IOL Kitikmoet Surface Rights
- River
- Elevation Contour [m]
- Lake



FIGURE 1-2

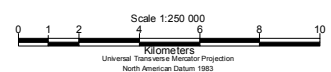
MAP DATE: 2010-04-12

SURIFICAL TOPOGRAPHY

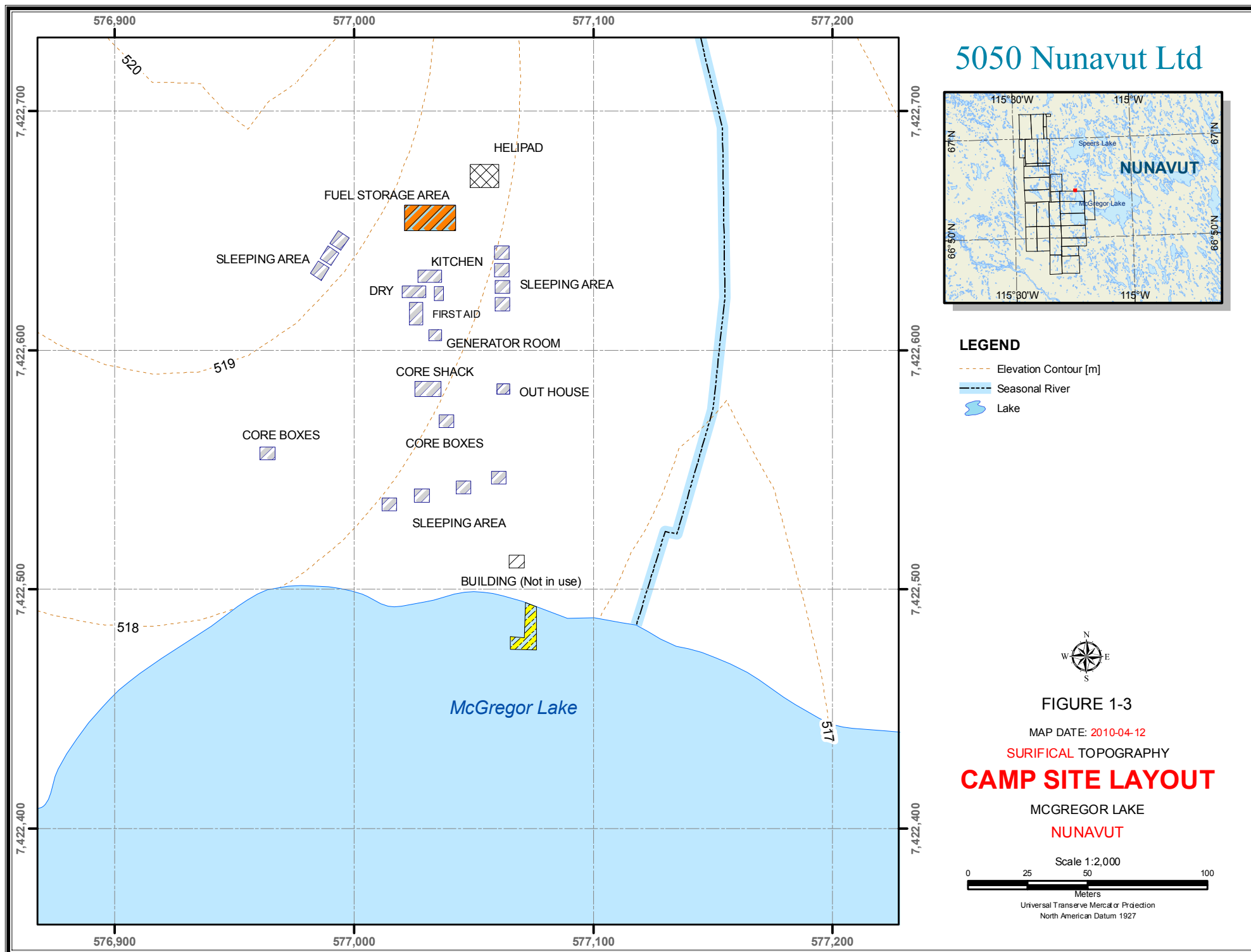
## PROPOSED EXPLORATION AREA

MCGREGOR LAKE & ALL NIGHT LAKE

NUNAVUT



Universal Transverse Mercator Projection  
North American Datum 1983





# McGregor Lake Campsite Spill and Contingency Plan

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## APPENDIX D Uranium Exploration Plan

### Introduction

5050 Nunavut Limited ("the Company"), a wholly owned subsidiary of MIE Metals Corporation, was incorporated under the laws of Nunavut and presently holds Nunavut Water Board License No. 2BE-MCG0810 with expiry date of July 19, 2010. The Company's Land ownership comprises of 64 mineral claims totaling 53,734.30 hectares and two Inuit Owned Land parcels totaling of 19,711.70 hectares surrounding All Night Lake and McGregor Lake. Claims are located between 70 and 100 kilometres south of Kugluktuk and are situated over a north-south trending layered mafic to ultramafic intrusive body called the Muskox Intrusion that geologically hosts nickel, copper and platinum group elements (Ni-Cu-PGE) as well as uranium within the adjacent sedimentary basin. Exploration efforts by the Company since 2005 have targeted both Ni-Cu-PGE and uranium mineralization in the following areas:

1. McGregor Lake south – for Ni-Cu-PGE
2. All Night Lake Area – for uranium
3. Tabb lake Area – for uranium

In 2007, 5050 Nunavut Limited was approved for an exploration camp located at Iceberg Creek on the southern shores of McGregor Lake. Upon written request by the Kitikmeot Inuit Association, the camp was relocated to a pre-existing camp on the northern shores of McGregor Lake, established and operated by Inco Limited in the early 1950's and 1960's. Subsequently the camp was referbished and expanded to accommodate 30 persons.

A 10,000 meters of NQ diamond drilling program began in 2007. To date, only four NQ diamond drill holes totaling 2,858 m was completed on claim M1 and one diamond drill hole totaling 266 meters was completed on claim DM72. 5050 Nunavut Limited intends to complete the remaining 6,876 meters of NQ diamond drilling, including planned diamond drilling surrounding All Night Lake in search of uranium.

Locations of proposed boreholes in the Tabb Lake area are shown on Figure 2, of which initially four or five boreholes will be drilled with a depth range of 200-250m. If required, 2 boreholes will be drilled on the adjacent joint venture claims with UNOR Inc. Locations of proposed boreholes for All Night Lake

area are shown on Figure 3, of which initially six or seven boreholes will be drilled with a depth range of 150 to 200 m.

## Uranium Exploration Plan

The following uranium exploration plan is submitted to address the environmental and water issues related to uranium exploratory drilling. As required by Part F of our License, this plan is based on the Mineral Exploration Guidelines for Saskatchewan, 2005.

### Drilling Operations

1. The uranium exploration drill program will start in the first week of July and no ice drilling will be carried out.
2. Core Drilling (NQ size) will be carried out using a Boyles 37 drill rig supplied and operated by Major Drilling Group International Inc.
3. Approximate location of boreholes is provided on Figure 2 (Tabb Lake area) and Figure 3 (All Night Lake area) attached with this plan.
4. No borehole will be located within 100 m of a water body or water course.
5. No clearing is involved in drill site preparation.
6. The drill site footprint will not exceed an area of 20m by 20m and minimum distance of 100 m will be kept between the drill site footprint and the nearest water body.
7. A minimum distance of 100 m will be maintained between the drill site area and any water body in the vicinity.
8. The drill rig will be leveled using timbers and no soil stripping is involved in the drill site preparation.
9. Where possible, all efforts will be used to prevent drill mud, return water, and cuttings (sludge) from running uncontrolled from the drill site or to within 100 m of a water body or water course. If required, appropriate erosion control methods will be implemented.
10. Where possible, biodegradable mud and non-toxic drill additives are being used for the copper nickel, PGE drill program, and will also be used for uranium program.
11. Drill mud solids or cuttings with uranium concentration greater than 0.05 percent will be collected and disposed of down the drill hole and sealed.

12. Any drill hole that encounters mineralization with a uranium content greater than 1.0% over a length >1 meter, and with a meter-percent concentration >5.0, will be sealed by grouting over the entire length of the mineralization zone and not less than 10 meters above or below each mineralization zone.
13. All artesian drill holes will be reported to NWB within 30 days of its discovery.
14. All artesian drill holes will be sealed to prevent discharge to the environment.

#### Core Storage

1. Core storage areas will be located a minimum of 100 meters from the high waterline of all the water bodies in the vicinity.
2. All core will be stored in standard core boxes and each box will be identified with weatherproof labels.
3. 5050 Nunavut Limited will be responsible for all core drilled and if the property is sold or reassigned the new operator will be responsible for all core.
4. Gamma levels in the core storage area, measured at 1 meter from surface of the storage area will be reduced to 1.0  $\mu\text{Sv}$  and in no instance will the level be allowed to exceed 2.5  $\mu\text{Sv}$ . Instruments that measure radiation in counts per second will be converted to  $\mu\text{Sv}$  according to the specification of that instrument.

#### Reclamation

5050 Nunavut Limited recognizes that reclamation is an integral part of exploration and has developed a plan to return the disturbed areas to an acceptable natural and productive state. The key element of the plan is minimizing impacts and avoiding surface disturbances which will help in reducing reclamation requirements and costs for the program.

1. Reclamation of each drill site will be carried out by removing all infrastructures, facilities, and waste from each drill site.
2. The drill rig will be leveled using timbers and no soil stripping is involved in the drill site preparation.
3. In a location where there is a reasonable chance of erosion, appropriate erosion control methods like soil stabilization through berms, water and mud collection sumps, recirculation of drill fluids, and placing slash material will be implemented.

4. 5050 Nunavut Limited will ensure that the aforementioned measures and all other measures mentioned in its Water License are implemented to the satisfaction of Nunavut Water Board.

If there are questions or concerns regarding 5050 Nunavut Limited's Uranium Exploration Plan, please contact the Company's representative at the contact information below. Thank you.

Phu Van Bui, Project Geologist & Manager

Tel: 604-681-4001 ext. 111

[pvanbui@miemetals.com](mailto:pvanbui@miemetals.com).

Head Office

5050 Nunavut Limited & MIE Metals Corporation

Suite 507 – 700 West Pender Street

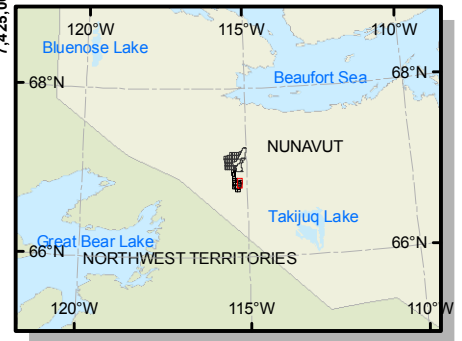
Vancouver, British Columbia

Canada V6C 1G8

Tel: 604-681-4001

Fax: 604-681-4022

# 5050 Nunavut Ltd



## LEGEND

- McGregor Camp Site
- 2007 DDH Location
- Claim boundary
- River
- Elevation Contour [m]
- Lake



## FIGURE 1

MAP DATE: 2010-04-13

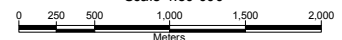
SURIFICAL TOPOGRAPHY

## 2007 DRILL PROGRAM

MCGREGOR LAKE AREA

NUNAVUT

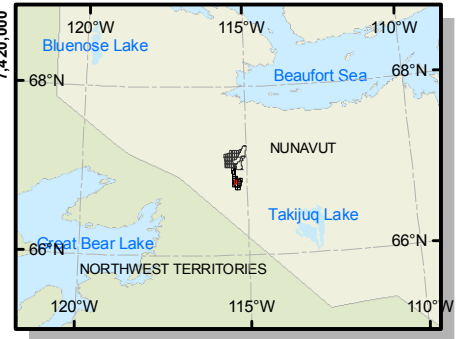
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Universal Transverse Mercator Projection  
North American Datum 1983



# 5050 Nunavut Ltd



## LEGEND

- Claim boundary
- Proposed Uranium Drillholes
- River
- Elevation Contour [m]
- Lake



## FIGURE 2

MAP DATE: 2010-04-12

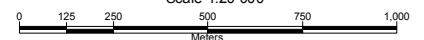
SURIFICAL TOPOGRAPHY

## 2007 DRILL PROGRAM

BEAR VALLEY AREA

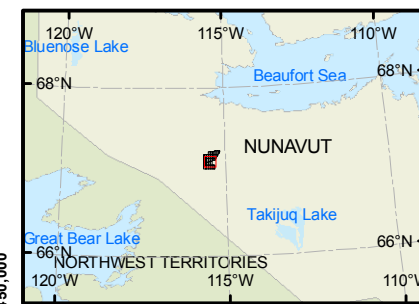
NUNAVUT

Scale 1:20 000



Universal Transverse Mercator Projection  
North American Datum 1983

# 5050 Nunavut Ltd



## LEGEND

- Claim boundary
- IOL Kitikmoet Surface Rights
- Proposed DDH Uranium
- ~ River
- ~ Elevation Contour [m]
- ~ Lake



FIGURE 3

MAP DATE: 2010-04-13

SURFICIAL TOPOGRAPHY

**PROPOSED BOREHOLE LOCATION**

ALL NIGHT LAKE

NUNAVUT

