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NUNAVUT IMALIRIYIN KATIMAYINGI
NUNAVUT WATER BOARD
OFFICE DES EAUX DU NUNAVUT

WATER LICENCE SCHEDULE III - APPLICATION FORM

Application for: (check one)

☐ New ☐ Renewal ☐ Amendment ☒ Assignment ☐ Cancellation

LICENCE NO:

(for NWB use only)

<p>1. NAME AND MAILING ADDRESS OF APPLICANT/LICENSEE Aurora Energy Resources Inc. 600, 140 Water St., TD Place St. John's, NL A1C 6H6</p> <p>Phone: <u>709-726-2356</u> Fax: <u>709-726-0138</u> e-mail: <u>sash@aurora-emergy.ca</u></p>	<p>2. ADDRESS OF CORPORATE OFFICE IN CANADA (if applicable) Same</p> <p>Phone: _____ Fax: _____ e-mail: _____</p>		
<p>3. LOCATION OF UNDERTAKING (describe and attach a topographical map, indicating the main components of the Undertaking)</p> <p>The undertaking is located 60 km south of the Hamlet of Baker Lake. The licence is required to supply water for mineral exploration. Water is needed for operating a drill rig and small work camps. Please refer to Water Licence 2BE-KAZ0609, NIRB 06EN054, INAC N2006J0017 and KivIA KV306C23.</p> <p>Latitude: (<u>63°46'38"</u> N) Longitude: (<u>95°26'29"</u> W) NTS Map Sheet No. <u>055M14</u> Scale: <u>1:50,000</u></p>			
<p>4. DESCRIPTION OF UNDERTAKING (attach plans and drawings)</p> <p>The licence is needed for a supply of water for a mineral exploration program. Water use is needed for operating a drill rig (possibly 2) and camps (1 main and 9 fly). The main camp will hold up to 14 workers for the duration of drilling. Fly Camps will hold 2 to 4 workers for 7 to 10 days at a time.</p>			
<p>5. TYPE OF PRIMARY UNDERTAKING (A supplementary questionnaire <u>must</u> be submitted with the application for undertakings listed in "bold")</p> <table style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;"> <input type="checkbox"/> Industrial <input checked="" type="checkbox"/> Mining and Milling (includes exploration/drilling) <input type="checkbox"/> Municipal (includes camps/lodges) <input type="checkbox"/> Power </td> <td style="width: 50%; vertical-align: top;"> <input type="checkbox"/> Agricultural <input type="checkbox"/> Conservation <input type="checkbox"/> Recreational <input type="checkbox"/> Miscellaneous (describe below): </td> </tr> </table>		<input type="checkbox"/> Industrial <input checked="" type="checkbox"/> Mining and Milling (includes exploration/drilling) <input type="checkbox"/> Municipal (includes camps/lodges) <input type="checkbox"/> Power	<input type="checkbox"/> Agricultural <input type="checkbox"/> Conservation <input type="checkbox"/> Recreational <input type="checkbox"/> Miscellaneous (describe below):
<input type="checkbox"/> Industrial <input checked="" type="checkbox"/> Mining and Milling (includes exploration/drilling) <input type="checkbox"/> Municipal (includes camps/lodges) <input type="checkbox"/> Power	<input type="checkbox"/> Agricultural <input type="checkbox"/> Conservation <input type="checkbox"/> Recreational <input type="checkbox"/> Miscellaneous (describe below): 		

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 quantity 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.) **150 m3/day for drilling, 20 m3/day Main Camp & 1.5 m3/day Fly Camps as per NWB Water Licence 2BE-KAZ0609**
Water returned to source
170 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 Cuttings**

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

3 fly camps located within Inuit Owned Land Parcels BL05 and RI15.

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, estimated usage 1.5 m3 for 3 Fly camps which will be occupied for 7 to 10 days each. Total estimate =45 m3. All water will be returned to source.

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)

Foraco Drilling Ltd. - Diamond Drilling Contractor, Matrix Exploration Logistics - Camp Construction and Maintenance, Great Slave Helicopters - Helicopter Contractor, Independent Wildlife Monitor - to be hired, etc. See attached table for full list of contractors that will potentially work on the 2009 exploration program.

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

Archeological, Geological Mapping, Airborne Geophysical Survey, Ground Geophysical Survey, Geochemical Survey, Annual Water Report.

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 Innuinaqtun/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: 2009-06-01 Completion Date: 2011-10-31

John Stephen Ash

Name (Print)

Lands manager

Title (Print)

John Stephen Ash

Signature

2009-03-23

Date

For Nunavut Water Board office use only

APPLICATION FEE Amount: \$ _____

Pay ID No.: _____

WATER USE DEPOSIT Amount: \$ _____

Pay ID No.: _____

Personnel/Supply	Suppliers, Services and Contractors	Address	Phone Number
Cargo and Passenger service	Calm Air	Thompson Drive, Thompson, Man. R8N RX8	(867) 793-2873
	First Air	Kanata, Ontario, K2M 2V8	(613) 254-6200
	WestJet	Calgary, AB	(800) 538-5696
Construction Services	Matrix Exploration Logistics	#8 Yellowknife Airport, Ywllowknife, NT, X1A 3T2	(867) 766-3134
Contract Helicopter	Great Slave Helicopters	106 Dickens Street, Yellowknife, NT, X1A 2R3	(867) 873-2081
Diamond Drilling Services	Foraco Drilling Ltd	2007 West Trans Canada, Hwy, Kamloops, BC, V1S 1A7	(250) 374-3366
Diesel and Gas	Arctic Fuels Services	123 Main St., Baker Lake, NU, X0C 0A0	(867) 793-4328
Expediting	Braden Bury Expediting	#18 Yellowknife Airport	(867) 766-8674
Field Supplies	Deakin Equipment	1361 Powell St. Vancouver, BC V5L 1G8	(604) 253-2685
First Aid Personnel, Safety	1984 Enterprises Inc.	100-355 Burrad St. ,Vancouver, BC V6C 2G8	(604) 736-8119
Fixed Wing Support	Ookpik Aviation	Baker Lake, NU, X0C 0A0	(867) 793-2234
	Ken Borak Air Ltd.	Rankin Inlet, NU	(867) 645-2535
	Unaalik Aviation (2004 Inc.)	Box 1741, Iqaluit, NU, X0A 0H0	(868) 979-0040
	Air Tindi Ltd.	Box 1693, Yellowknife, NWT	(867) 669-8200
	Arctic Sun West	PO Box 1807, Yellowknife NWT, X1A 2P4	(867) 873-4464
Freight Services	Discovery Mining Services	P.O Box 2248, Yellowknife, NWT, X1A 2P7	(867) 920-4600
Fuel Depot and Services	SK Construction	Baker Lake, NU, X0C 0A0	(867) 793-2965
	Aviation Fuel Services	Baker Lake, NU, X0C 0A0	(867) 793-2928
Groceries, supplies	Northern Store	Baker Lake, NU, X0C 0A0	(867) 793-2920
	Northern Convenience	Baker Lake, NU, X0C 0A0	(867) 793-2660
Internet	Northwest Tel Cable Inc.	5120 49th St., Yellowknife, NWT, X1A 2P1	(867) 991-5600
Interpreter	Tutannuq, Percy	Baker Lake, NU, X0C 0A0	(867) ###-####
Lodging and meals	Baker Lake Lodge	PO Box 239, Baker Lake, NU, X0C 0A0	(867) 793-2905
Printing Report maps	Terracad	1405 - 675 W. Hastings St. Vancouver, BC	(604) 689-9523
Radio Rental	Canada Wide Communication		(800) 663-9342
	Metro Mobile Radio Sales	101 19005, 94th Ave Surrey, BC, V4N 3S4	(604) 888-5100
Restaurant	Nunamuit Lodge	Baker Lake, NU, X0C 0A0	(867) 793-2127
Section Software	MicroMine North America	1400-1500 W. Georgia St. Vancouver, B C V6G 2Z6	(604) 646-8924
Staking	WAugusth, Vic and Wanda	Yellowknife, NWT	(867) 873-2042
Supplies	Sanavik Co-op	Baker Lake, NU, X0C 0A0	(867) 793-2912
Taxi Service	Inand Taxi	Baker Lake, NU, X0C0A0	(867) 793-4641
Translation Services	Tukilik Translation Services	P.O. Box 832, Yellowknife, NWT, X1A 2N6	(867) 669-9817
Truck Rental	Baker Lake Contracting and Supply	PO Box 24, Baker Lake, NU, X0C 0A0	(867) 793-2831

Waste Type		Composition	Quantity	Treatment Methods	Disposal
Sewage		Human Waste	0.05 m3/day	Main Camp - Storburn Toilets uses propane, Fly Camp - latrine sump - Minimum of 31 metre buffer from high water mark of any water body, Dailey Inspections	Sumps will be back filled and recontoured, ashes bagged be transported to Solid Waste Disposal Facility
Solid Waste		Household Garbage	55 kg/day	Remove recyclable containers, kept in metal containers until disposed of and checked routinely for leaks, No open burning, Dailey Inspections	5 kg per day of non combustables will be transported to a Solid Waste Disposal Facility, 50 kg combustables incinerated creating 2.5 kg bagged for disposal at a Solid Waste Disposal Facility,
Hazardous	TGD	Fuel (Jet, Diesel & Gas) Propane Fuel System Treatment Batteries Paints Aerosol Cans	60 Drums 10 cylinders as needed as needed as needed	Caches of > 19 Fuel Drums will be cached in pop-up berms, Empty drums will be removed from site on a regular basis and at the end of the project, Daily Inspections/weekly documentation conducted throughout program, Spill Contingency Plan, A Waste manifest will be kept,	Drums will be transported to a recycling facility; cannisters transported off site and disposed of at an approved facility
	Other	Motor Oil Lubricating Grease Hydraulic Fluid Antifreeze	0.1 m3 as needed as needed as needed	Removed from site on a regular basis & at the end of the project, Daily Inspections/weekly documentation conducted throughout program, Spill Contingency Plan	Waste oil will be transported to an approved Disposal Facility, Cannisters transported off site and disposed of at an approved facility
Greywater		Soaps Cleaning Chemicals	0.25 m3/day	discharged into sumps located a minimum of 31 metre buffer from high water mark of water bodies, Grease Trap, Dailey Inspections	Grease Incinerated
Salt		NaCL	1100 to 4400 kg	Stored on wooden pallets caoved in plastic tarp (per drill), used to keep drill casings from freezing while pulling rods due to permafrost	transported off site at end of program
Cement		Limestone and rock	1100 to 4400 kg	Stored on wooden pallets caoved in plastic tarp (per drill), used for grouting drill holes	transported off site at end of program
Drill Mud		Non-hazardous liquid polymer	410 to 2050 litres	Stored on wooden pallets covered in plastic tarp	transported off site at end of program
Drill Cuttings		rock/mud	~ 1.4 m3	Sumps used to collect cuttings and drill mud, If uranium mineralization is encountered in a drill hole, the drill mud solids or cuttings with a uranium concentration greater than 0.05 per cent will be collected pending completion of the hole at which time they will be disposed down a drill hole and sealed by grouting the upper 30 meters of bedrock.	sumps will be back filled and recontoured, Any drill hole that encounters mineralization with a uranium content greater than 1 .0 per cent over a length of > 1.0 metre, and with a metre-per-cent concentration > 5.0, will be sealed by grouting over the entire length of the mineralization zone and not less than 10 metres above or below each mineralization zone. The top 30 metres of the hole within bedrock will also be sealed by grouting once any radioactive cuttings and sludge have been disposed down the hole.