

Application for Water Licence Renewal

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P.O. BOX 119 GJOA HAVEN, NUNAVUT XOB 1J0

Tel: (867)360-6338 FAX:(867)360-6369

DOCUMENT MANAGEMENT

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DOCUMENT AMENDMENTS

	Description	Date
(1)	Updated for public distribution as separate document	June 2010
	from NWB Guide 7	
(2)	Updated NWB logos and reformatted table to allow rows	May 2011
	to break across page	
(3)	New NWB logo and request for background information	April 2013
(4)		
(5)		
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NUNAVUT WATER BOARD
NUNAVUT IMALIRIYIN KATIMAYIT
OFFICE DES EAUX DU NUNAVUT

APPLICATION FOR WATER LICENEC RENEWAL

Your application may be classified as a **renewal** only if all operations remain the same as previously licensed and only the term of the licence requires change. If your application contemplates:

- a change to the volume of water authorized for use;
- a new activity related to water use or waste disposal;
- a new component related to water use or waste disposal:
- a change in predicted environmental impacts(s); and/or
- a change to any term or condition of the original licence

your application is **NOT** classified as a renewal but rather an amendment and will require submission of an Application for Water Licence Amendment. Licensees applying for combined renewal / amendment are also referred to the Application for Water Licence Amendment.

The applicant is referred to the NWB's Guide 7: <u>Licensee Requirements Following the Issuance</u> of a Water License for more information about this application form.

Where possible, provide background information regarding the original licence application or attach previously submitted information.

EXISTING LICENCE NO:2BE-HIG1217TYPE "B"
1. LICENSEE CONTACT INFORMATION
Is the licensee the same as that referred to on the existing licence?
If No, a licence assignment must be completed and approved by the NWB. A renewal will only be issued in the name of the current licensee in the absence of assignment of the licence.
If the licensee is the same, but the <u>name</u> of the licensee has changed, attach a certificate of name change.
Name: MMG RESOURCES INC.
Address: PO Box 91460, West Vancouver, BC, V7V 3P1
Phone: _+1 778 239 2965 Fax: e-mail: _THEODORE.MURARO@MMG.COM

2. LICENSEE REPRESENTATIVE CO	NTACT INFORMATION – If different from Block 1.
Name: THEODORE MURARO	
Address:	
Phone: Fax: e-mail: (Attach authorization letter.)	
3. NAME OF PROJECT	
Is the name of the project the same as that of	considered in the existing water licence?
, ,	TYes □ No
Indicate the name of the project including the	e name of the location:HIGH LAKE
4. LOCATION OF UNDERTAKING	
Is the location of the undertaking the same a	as that considered in the existing water licence?
Project Extents	Yes No
NW: Latitude: (68° 00' 00" N) NE: Latitude: (68° 00' 00" N) SE: Latitude: (66° 45' 00" N) SW: Latitude: (66° 45' 00" N)	Longitude: (111° 30' 00" W) Longitude: (109° 30' 00" W) Longitude: (109° 30' 00" W) Longitude: (111° 30' 00" W)
Camp Location(s)	
Latitude: (67° 22' 42" N)	Longitude: (110° 55' 30" W)
5. MAP	
Are the locations of the main components of licence?	the undertaking the same as those considered in the existing
	Yes No
Attach a topographical map, indicating the m	ain components of the undertaking.
NTS Map Sheet No.:76M/76N Ma	p Name: _ <i>Hepburn Island</i> Map Scale: _ <i>1:150,000</i> _

6.	NATURE OF INTEREST IN THE LAND
Is the	nature of the interest in the land the same as that considered in the existing water licence?
	any of the following that are applicable to the proposed undertaking (at least one box under the 'Surface r must be checked).
	Sub-surface
	Mineral Lease from Nunavut Tunngavik Incorporated (NTI) Date (expected date) of issuance: Date of expiry:SEPTEMBER 2021
	Mineral Lease from Indian and Northern Affairs Canada (INAC) Date (expected date) of issuance: Date of expiry:APRIL 2034
	Surface
	Crown Land Use Authorization from Indian and Northern Affairs Canada (INAC) Date (expected date) of issuance: Date of expiry:
	☐ Inuit Owned Land (IOL) Authorization from Kitikmeot Inuit Association (KIA) Date (expected date) of issuance: Date of expiry:
	☐ IOL Authorization from Kivalliq Inuit Association (KivIA) Date (expected date) of issuance: Date of expiry:
	☐ IOL Authorization from Qikiqtani Inuit Association (QIA) Date (expected date) of issuance: Date of expiry:
	Commissioner's Land Use Authorization Date (expected date) of issuance: Date of expiry:
	Othera small surface land lease (76M/7-1-4) is maintained over the immediate camp location that was grandfathered into the IOL package as part of the historic camp location. See accompanying map
	Date (expected date) of issuance: Date of expiry:
	NOTE: Land Use Authorization for IOL ground previously held with the Kitikmeot Inuit Association has received approval for closure (KTL308C008). Closure approval for Land Use Authorization previously held on surrounding Crown Lands (N2011C0033) has been requested and remains pending.
Is the	name of the entity(s) holding authorizations the same as that considered in the existing water licence?
	■ Yes □ No
If No,	a licence assignment must be completed and approved by the NWB.
Name	of entity(s) holding authorizations:
MN	IG RESOURCES INC.

7. NUNAVUT IMPACT REVIEW BOARD (NIRB) DETERMINATION
Was a screening determination required from NIRB prior to the issuance of the existing water licence?
■ Yes □ No
If Yes, indicate date issued and attach copyMARCH 29, 2012
Does the proposed renewal change the original NIRB screening determination or the need to obtain one?
☐ Yes ■ No
If Yes, indicate date issued (or expected) and attach a copy
8. DESCRIPTION OF UNDERTAKING
Is the description of the undertaking the same as that considered in the existing water licence?
■ Yes □ No
List and attach plans and drawings or project proposal.
See appendices attached to this document
9. OPTIONS
Are the alternative methods and locations that were considered to carry out the project the same as those considered in the existing water licence?
■ Yes □ No
Provide a brief explanation of the alternative methods or locations that were considered to carry out the project.

10. CLASSIFICATION OF PRIMARY UNDERTAKING	G
Is the primary undertaking the same as that considered in	the existing water licence?
Yes	□No
Indicate the primary classification of undertaking by check	ring one of the following boxes.
 ☐ Industrial ☐ Mining and Milling (includes exploration/drilling) ☐ Conservation ☐ Municipal (includes camps/lodges) ☐ Power 	☐ Agricultural /exploration camps) ☐ Recreational ☐ Miscellaneous (describe below):
See Schedule II of the Northwest Territories Waters Regul	lations for Description of Undertakings.
11. WATER USE	
Is the type(s) of water use(s) the same as that considered	d in the existing water licence?
Yes	□No
Check the appropriate box(s) to indicate the type(s) of wa	ter use(s) being applied for.
To obtain water for camp/ municipal purposes To obtain water for industrial purposes To cross a watercourse To alter the flow of, or store water Other:	☐ To divert a watercourse ☐ To modify the bed or bank of a watercourse ☐ Flood control

12.	QUANTITY OF WATER INVOLVED			
Is the	source of water the same as that considered in the ex	xisting licence?	Yes	□No
will va projec	of water source(s):The principal source for domestry depending on drill target locations, but it should be it is on care and maintenance. location(s) on map)			
Is the	quality of the water source and its available capacity	the same as that considered in	n the existing	licence?
	Yes	□No		
the Hi to the	ibe the quality of the water source(s) and the available gh Lake camp. Several years of monitoring by Gartne elevated pH levels caused by the surrounding geological ke volume is roughly 600,000 cubic meters.	er Lee found the Lake to be vo	id of aquatic	life due
Is the	overall estimated quantity of water to be used the sal	me as that considered in the ex	kisting licence	e?
	Yes	□No		
Provid	le the overall estimated quantity of water to be used:	100 m³/day		
Are th	e quantity(s) of water to be used from each source th	ne same as those considered in	the existing	licence?
	Yes	□No		
day w remov	le the estimated quantity(s) of water to be used from could be drawn from High Lake. If drilling is considere yed from adequate sources proximal to those drill hole uture as this project is effectively on care and mainten	ed, another 30m³ for each drill c e locations. There is no drilling	pperating wou	uld be
Are th	ne quantity(s) of water to be used for each purpose the	e same as those considered in	the existing	licence?
	Yes	□No		
Provid	le the estimated quantities to be used for each purpos use (estimated 5m³/day) as well as for d			
Are th	e method(s) of extraction the same as those conside	red in the existing licence?	Yes	□No
domes of wat pumps 10m to	ibe the method(s) of extraction:Submersible electric water usage in camp applications, and a diesel or the form adequate local sources proximal to areas of a sare used in conjunction with spill trays and spill control the water body they are drawing from. Sources are the ent to support drilling activities without overly impacting the same of the water body they are drawing from.	r gas powered pump is normall activity during drilling. Combus tainment equipment, and never e evaluated to ensure that their	y used for ex tion motor op r located clos flow volumes	traction perated ser than
Are th	e quantity(s) of water returned to source(s) the same	as those considered in the exi	sting licence	?
	Yes	□No		
loss of	ted quantity(s) of water returned to source(s): With 25% of circulated water for each of the drills, we estimately 75 m³/day would be indirectly returned to the	mate that at maximum usage o	f 100m3/day,	,
Are th	erobyality(s).ng1yatar(s).retyrned.to.source(a).the.sam	e as those considered in the ex	kisting licence	 5;
	Yes	□No		

Describe the quality(s) of water(s) returned to source(s):Water that does not escape into fractures or faults within the country rock and/or "lost" during the process of drilling returns to surface, where it is collected and passed through settling tanks to remove any presence of 'cuttings' or ground rock transported from the bit face. Once the water has been clarified through this process of settling, it can be re-used and is normally pumped back down the drill hole, repeating the process. It is estimated that the water normally "lost" or "consumed" by the drilling process at the bit is roughly 25% of that water circulated daily (+/- 6 to 7m³) depending on ground conditions. Water that is not re-used can be released into the environment to filter naturally into the ground water table, as is the case with whatever water is left at the completion of the drill hole. All additives used downhole in the drilling process are natural, environmentally friendly products and biodegradable			
13. WASTE			
Are the type(s) of waste(s) to be generated and/ or deposited the same as those considered in the existing licence?			
■ Yes □ No			
Check the appropriate box(s) to indicate the types of waste(s) generated and <u>deposited</u> .			
Sewage Solid Waste Greywater Hazardous Sludges Bulky Items/Scrap Metal Animal Waste Other (describe): Organic food waste from camp kitchen			
14. QUANTITY AND QUALITY OF WASTE INVOLVED			
Are the quantity(s) of the types of wastes involved the same as those considered in the existing licence?			
Yes No			
Are the composition(s) of the types of wastes involved the same as those considered in the existing licence? Yes No			
Are the method(s) of treatment for the types of waste involved the same as those considered in the existing			
licence?			
Are the method(s) of disposal for the types of waste involved the same as those considered in the existing licence?			
Yes No			

For each type of waste indicated in Block 14, describe its composition, quantity in cubic meters/day, method of treatment and method of disposal.

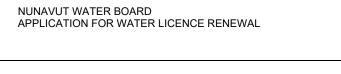
Type of Waste	Composition	Quantity Generated	Treatment Method	Disposal Method
"burnable" food and paper or cardboard food packaging	Organic and inorganic waste from camp kitchens	0.50m³/day	Incineration and subsequent collection and packaging for shipping	Removal to Yellowknife for proper disposal by a certified agency (KBL Environmental)
Grey water	Water contaminated with food waste from kitchens or from showers/sinks	5m³/day	All kitchen grey water passes through a grease trap to collect any larger food particles and greases, and then into a sump which serves to settle out remaining particles and allow natural re-absorption into sand and gravels. Grey water from washroom showers and sinks passes directly into the sumps.	Returned to environment having passed through a grease trap and sump which allows natural filtration through sand and gravel esker material
"non-burnable" waste as defined by Canadian Regulatory bodies	Plastic packaging or bottling, scrap metal, treated wood products	0.25m³/day	Waste streaming employed on site will separate these products into proper containment for removal from site	Removal to Yellowknife for proper disposal by a certified agency (KBL Environmental)
Waste contaminated by petroleum products, or waste that is considered hazardous.	Used filters from combustion motors, batteries, aerosol spray cans	0.10m³/day	Waste streaming employed on site will separate these products into properly marked containment for removal from site	Removal to Yellowknife for proper disposal by a certified agency using Transport Canada Hazardous Waste Regulations.
Sewage	Human waste from bathrooms	0.25m³/day	Waste is collected in "pacto" toilets and incinerated at site	
Sludge	Mud created by drill cuttings that settle in sumps	0.50m³/day	Sediment is collected in settling tanks and transferred to large micro fibre bags for decanting, drying, and transport	Resulting dry material is removed from site for proper disposal

^{*} These volume estimations are based on capacity camp occupancy and the operation of two diamond drills, both of which are aligned with the previous terms of the license but which are not contemplated, as the site is on care and maintenance.

15. OTHER AUTHORIZATIONS
In addition to the sub-surface and surface land use authorizations provided in Block 6, are the same authorizations required as considered in the existing licence?
☐ Yes ☐ No
For each provide the following:
Authorization:
Administering Agency:
Project Activity:
Date (expected date) of issuance: Date of expiry:
16. PREDICTED ENVIRONMENTAL IMPACTS OF UNDERTAKING AND PROPOSED MITIGATION MEASURES
Are predicted environmental impacts of the undertaking and proposed mitigation measures the same as those considered in the existing water licence?
■ Yes □ No
Describe direct, indirect, and cumulative impacts related to water and waste.
17. WATER RIGHTS OF EXISTING AND OTHER WATER USERS
Are the effects of the undertaking on any known persons or property including those that hold licences for water use in precedence to the application, domestic users, in-stream users, authorized waste depositors, owners of property, occupiers of property, and/or holders of outfitting concessions, registered trapline holders, and holders of other rights of a similar nature, the same as those considered in the existing water licence?
■ Yes □ No
Provide the names, addresses and nature of use for any known persons or properties that may be adversely affected by the proposed undertaking, including those that hold licences for water use in precedent to the application, domestic users, in-stream users, authorized waste depositors, owners of property, occupiers of property, and/or holders of outfitting concessions, registered trapline holders, and holders of other rights of a similar nature.
Advise the Board if compensation has been paid and/or agreement(s) for compensation have been reached with any existing or other users.
18. INUIT WATER RIGHTS
Are the effects of the undertaking on the quality, quantity or flow of waters flowing through Inuit Owned Land (IOL) the same as those considered in the existing water licence?
■ Yes □ No
Advise the Board of any substantial affect of the quality, quantity or flow of waters flowing through Inuit Owned Land (IOL), and advise the Board if negotiations have commenced or an agreement to pay compensation for any loss or damage has been reached with one or more Designated Inuit Organization (DIO)

19. CONSULTATION - Provide a summary of any consultation meetings including when the meetings were held, where and with whom. Include a list of concerns expressed and measures to address concerns.
20. SECURITY INFORMATION
Is the financial security assessment the same as that considered in the existing water licence?
■ Yes □ No
Is the estimate of the total financial security for final reclamation the same as that considered in the existing water licence?
☐ Yes ☐ No
Provide an estimate of the total financial security for final reclamation equal to the total outstanding reclamation liability for land and water combined sufficient to cover the highest liability over the life of the undertaking. Estimates of reclamation costs must be based on the cost of having the necessary reclamation work done by a third party contractor if the operator defaults. The estimate must also include contingency factors appropriate to the particular work to be undertaken.
Where applicable, the financial security assessment should be prepared in a manner consistent with the principals respecting mine site reclamation and implementation found in the <i>Mine Site Reclamation Policy for Nunavut</i> , Indian and Northern Affairs Canada, 2002.
21. FINANCIAL INFORMATION
Is the statement of financial security the same as that considered in the existing water license?
☐ Yes ☐ No
Provide an updated statement of financial security.
If the applicant is a business entity please answer the questions below:
Is the list of the officers of the company the same as those considered in the existing water licence?
☐ Yes ■ No
Provide a list of the officers of the company.
SAHBA SAFAVI STEVEN JAMES RYAN MICHAEL G.M. STEVERING
Is the Certificate of Incorporation or evidence of registration of the company name the same?
■ Yes □ No
Attach a copy of the Certificate of Incorporation or evidence of registration of the company name.

22. STUDIES UNDERTAKEN TO DATE
List and attach updated studies, reports, research etc. See attached appendices with a complete history of work to date on the project as well as latest inspection reports from Eva Paul
Provide a compliance assessment and status report including a response to any inspector's reports. The licensee must contact the NWB for licence specific direction in completing the assessment and report.
If in non-compliance, a licence may not be issued until compliance is achieved. If in non-compliance, attach plans/reports for consideration. Application will not be processed if significant issues of non-compliance exist.
23. PROPOSED TERM OF LICENCE
On what date does the existing licence expire?May 31, 2017
Indicate the proposed term of the renewal (maximum of 25 years):5 years
Requested date of renewal issuance:July/2017 Requested Expiry Date:July/2022 (month/year) (month/year)
(The requested date of renewal issuance must be <u>at least</u> three (3) months from the date of application for a type B water licence and <u>at least</u> one (1) year from the date of application for a type A water licence, to allow for processing of the water licence application. These timeframes are approximate and do not account for the time to complete any pre-licensing land use planning or development impact requirements, time for the applicant to prepare and submit a water licence application in accordance with any project specific guidelines issued by the NWB, or the time for the applicant to respond to requests for additional information. See the NWB's <i>Guide 5:</i> <u>Processing Water Licence Applications</u> for more information)
24. ANNUAL REPORTING
Is the annual report template expected to be the same as that considered in the existing licence?
■ Yes □ No
If not using the NWB's <u>Standardized Form for Annual Reporting</u> , provide details regarding the content of annual reports and a proposed outline or template of the annual report.
Annual reports have been provided to the Nunavut Water Board on an annual basis, the last of which was submitted in January of 2017. A copy of that report is included in the appendices for review.



25.	CHECKLIST				
The foll	owing must be include	ed with the applicati	on for renewal for the water licensing process to begin.		
	Completed Application for Water Licence Renewal form.				
	Yes	□No	If no, date expected		
Updated plans, including designs and r			eports (see Block 23).		
	Yes	□No	If no, date expected		
	Updated security assessment (see Block 21).				
	Yes	□No	If no, date expected		
	Updated financial sta	odated financial statement (see Block 22).			
	Yes	□No	If no, date expected		
	Compliance Assessr	ment / Status Repor	rt (see Block 23).		
	Yes	□No	If no, date expected		
	English Summary of Renewal Application.				
	Yes	□No	If no, date expected		
	Inuktitut and/or Inuinnaqtun Summary of Renewal Application.				
	Yes	□No	If no, date expected		
Application fee of \$30.00 CDN (Payee Receiver General for Canada).			Receiver General for Canada).		
	Yes	□No	If no, date expected		
	Water Use Fee Deposit of \$30.00 CDN (Payee Receiver General for Canada). The actual water use fee will be calculated by the NWB based upon the amount of water authorized for use in accordance with the Regulations at the time of issuance of the licence.				
	Yes	□ No I	If no, date expected		

26. SIGNATURE				
I,THEODORE J. MURARO (prin	t name)			
certify that the application requires no changes to water use or waste disposal as previously authorized and that the information given on this form is, to the best of my knowledge, correct and complete.				
flet,	05 JUNE 2017			
Signature	Date			