

Application for Water Licence Renewal

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	Month/Day/Year

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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)		
(4)		
(5)		
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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 of a Water Licensee</u> for more information about this application form.

EXISTING LICENCE NO: 2BE – IZO0712
1. LICENSEE CONTACT INFORMATION
Is the licensee the same as that referred to on the existing licence?
■ Yes □ No
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. (MINERALS AND METALS GROUP)
Address: 26 TH FLOOR – 1177 WEST HASTINGS ST. VANCOUVER, BC, V6E 2K3
Phone: 778 373 5601 Fax: 778 373 5598 e-mail: TED.MURARO@MMG.COM

2. LICENSEE REPRESENTATIVE CONTACT INFORMATION – If different from Block 1.
Name: THEODORE J. MURARO
Address: AS ABOVE
Phone: 778 373 5589
Fax: 778 373 5598 e-mail: TED.MURARO@MMG.COM
(Attach authorization letter.)
3. NAME OF PROJECT
Is the name of the project the same as that considered in the existing water licence?
■ Yes □ No
Indicate the name of the project including the name of the location: IZOK
4. LOCATION OF UNDERTAKING
Is the location of the undertaking the same as that considered in the existing water licence?
■ Yes □ No Project Extents
NW: Latitude: (68° 00' 00" N) Longitude: (111° 30' 00" W)
NE: Latitude: (68° 00' 00" N) Longitude: (109° 30' 00" W) SE: Latitude: (66° 45' 00" N) Longitude: (109° 30' 00" W)
SW: Latitude: (66° 45' 00" N) Longitude: (111° 30' 00" W)
Camp Location(s) HAM LAKE CAMP Latitude: (65° 43' 22" N) Longitude: (112° 49' 16" W)
5. MAP
Are the locations of the main components of the undertaking the same as those considered in the existing licence?
Yes No
Attach a topographical map, indicating the main components of the undertaking. – SEE ATTACHED MAPS
NTS Map Sheet No.: 86H-10 Map Name: POINT LAKE Map Scale: 1:50,000
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?
Yes ☐ No

Check any of the following that are applicable to the proposed undertaking (at least one box under the 'Surface' header must be checked).		
Sub-surface		
Mineral Lease from Nunavut Tunngavik Incorporated (NTI) Date (expected date) of issuance: OCTOBER 2001 Date of expiry: SEPTEMBER 2021		
Mineral Lease from Indian and Northern Affairs Canada (INAC) Date (expected date) of issuance: 2008/2009/2010 Date of expiry: 2018/2019/2020 SEE ATTACHED TABLE SHOWING MINERAL LEASES AND ASSOCIATED DATES		
Surface		
Crown Land Use Authorization from Indian and Northern Affairs Canada (INAC) Date (expected date) of issuance: 26 MARCH 2007 Date of expiry: 26 MARCH, 2013		
Inuit Owned Land (IOL) Authorization from Kitikmeot Inuit Association (KIA) Date (expected date) of issuance: Date of expiry: 15 FEBRUARY, 2013		
☐ 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:		
☐ Other		
Date (expected date) of issuance: Date of expiry:		
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: MMG RESOURCES INC.		
7. NUNAVUT PLANNING COMMISSION (NPC) DETERMINATION		
Is the undertaking located in the same land use planning area as that considered in the existing licence?		
Yes No		

Indicate the land use planning area in which the project is located.
□ North Baffin □ Keewatin □ South Baffin □ Sanikiluaq □ Akunniq ■ West Kitikmeot
Was a land use plan conformity determination required from NPC prior to the issuance of the existing water licence?
☐ Yes ■ No
If Yes, indicate date issued and attach copy
Does the proposed renewal change the original NPC conformity determination or the need to obtain one?
☐ Yes ■ No
If Yes, indicate date issued (or expected) and attach a copy
8. 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 copy.
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. SEE ATTACHED SCREENING DECISION If No, provide written confirmation from NIRB confirming that a screening determination is not required.
9. 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 ATTACHED INFORMATION SUPPLEMENT
10. 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.

11. CLASSIFICATION OF PRIMARY UNDERTAKING	9			
Is the primary undertaking the same as that considered in the existing water licence?				
■ Yes □ No				
Indicate the primary classification of undertaking by check	ing one of the following boxes.			
☐ Industrial ☐ Mining and Milling (includes exploration/drilling/☐ Conservation	☐ Agricultural exploration camps)			
☐ Municipal (includes camps/lodges) ☐ Power	☐ Recreational ☐ Miscellaneous (describe below):			
See Schedule II of the Northwest Territories Waters Regul	ations for Description of Undertakings.			
12. WATER USE				
Is the type(s) of water use(s) the same as that considered	I 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			
13. QUANTITY OF WATER INVOLVED				
Is the source of water the same as that considered in the	existing licence? Yes No			
Name of water source(s): The domestic source for Ham Lake camp is Ham Lake its associated with drilling on the Izok resource, Izok Lake widepending on drill target location, and generally the closeralso supply that small amount of water associated with the group, small lakes adjacent to the areas of interest will be interest for mineral exploration is provided.	Il supply the water. Sources for drilling may vary st adequate source available is used. Ham Lake will be cutting of drill core for sampling. At the Hood claim			
Is the quality of the water source and its available capacit	y the same as that considered in the existing licence?			
Yes	□No			
Describe the quality of the water source(s) and the availal the Ham Lake camp, usage is minimal in comparison to the water quality of sources for drilling will vary, but Izok Lake	ne volume of water in the system. Capacities and			
Is the overall estimated quantity of water to be used the s	ame as that considered in the existing licence?			

Yes No
Provide the overall estimated quantity of water to be used: 100 m³/day
Are the quantity(s) of water to be used from each source the same as those considered in the existing licence?
Yes □ No
Provide the estimated quantity(s) of water to be used from each source: 5m³ per day from Ham Lake for domestic use. Sources for drilling will be target dependent. Usage volume for drilling will vary depending on several factors such as number of holes, depth of hole, and the presence of faults or fractures in the local geology. On average a drill will complete a 300m hole in about 7 days of drilling, and require 150m³ of water during this period, of which only about 40m³ is actually 'consumed' during this 7 day period in the cooling of the drill bit.
Are the quantity(s) of water to be used for each purpose the same as those considered in the existing licence?
■ Yes □ No
Provide the estimated quantities to be used for each purpose (camp, drilling, etc.): Camp (domestic use): 5m³/day X 180 days = 900m³ Drilling (industrial use): 30m³/day/drill X 3 drills X 150 days = 13,500m³
Are the method(s) of extraction the same as those considered in the existing licence?
Describe the method(s) of extraction: Water for the camp is drawn from Ham Lake with an electric submersible pump with a screened intake. Water for drilling is drawn from available local sources with either diesel powered piston style or "pedder" pumps or electric pumps, set back from the shoreline 30m with an extended screened intake hose.
Are the quantity(s) of water returned to source(s) the same as those considered in the existing licence?
■ Yes □ No
Estimated quantity(s) of water returned to source(s): It is estimated that about 25% of water involved in drilling is actually "lost" or "consumed" at the bit face, about 6 m³/day/drill. The majority of the water returns to surface in a closed system and passes through settling tanks before being pumped again to the bit face. In domestic use this percentage is much greater. The volume therefore that eventually returns to the environment of the 100m³ is around 80m³.
Are the quality(s) of water(s) returned to source(s) the same as those considered in the existing licence?
■ Yes □ No
Describe the quality(s) of water(s) returned to source(s): Excess water is returned to the environment after passing through the settling tanks and is constantly visually inspected. Excess water exiting the system is never is returned directly to the source water body from which it has been drawn, but rather is directed into a natural depression and allowed to percolate into topsoil, eventually returning to ground water after further natural filtration has taken place.
14. 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 deposited.				
Sewage Solid Waste Hazardous Bulky Items/Scrap Metal Animal Waste Other (describe): Waste oil Greywater Sludges Contaminated soil and/or water				
15. 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?				
Yes No				
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
SEWAGE	Human waste	0.25m ³ /day	Incinerated onsite	Remnant ash is transported to YK for disposal with KBL Environmental
GREYWATER	Kitchen and shower/washing facility effluent	3.0m ³ /day	Flows through settling tanks and a grease trap	enters a natural sump for further filtration by percolation
SLUDGE	Fine rock dust produced by drill bit	0.5m ³ /day	Flows through settling tanks with floculent	Enters a natural sump for further filtration by percolation
WASTE OIL	Used engine oil from equipment	0.002m ³ /day	Collected and sealed in empty 45gal. drums for	Transported to Yellowknife where proper disposal is

			removal from site	carried out by KBL at an Edmonton facility
BULK SCRAP	Scrap metal from failed equipment and remnants from incinerator	0.03m³/day	Collected and sealed in empty 45gal. drums for removal from site	Transported to Yellowknife where proper disposal is carried out by KBL
HAZARDOUS	Used batteries of various sizes from 1.5V to 24V	0.0005m ³ /day	Collected and sealed in appropriate containers for removal from site	Transported to Yellowknife where proper disposal is carried out by KBL at an Edmonton facility
16. OTHER A	UTHORIZATIONS			
	sub-surface and surfac puired as considered in		tions provided in Block 6	, are the same
For each provide	the following:	Yes] No	
Authorization:	SEE TABLE PR	OVIDED IN INFORM	MATION SUPPLEMENT_	
Administering Age	ency:			
Project Activity: _				
Date (expected da	ate) of issuance:	Date of o	expiry:	
MEASURE	ES		ERTAKING AND PROPO	OSED MITIGATION sures the same as those
	existing water licence?		roposed miligation mea	sures the same as those
		Yes] No	
	direct, and cumulative SUPPLEMENTARY IN		ater and waste. AGE FOR POSSIBLE IN	IPACTS AND
18. WATER R	IGHTS OF EXISTING	AND OTHER WATE	R USERS	
use in precedence property, occupier	e to the application, drs of property, and/or he	omestic users, in-strong of outfitting co	ream users, authorized	e that hold licences for wate waste depositors, owners of apline holders, and holders of ence?
		Yes] No	
				erties that may be adverse ter use in precedent to th

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. THE UNDERTAKING SHOULD HAVE NO IMPACT ON LOCAL WATER USAGE 19. **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 effect 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). 20. **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. Consultation was held in Cambridge Bay and Kugluktuk with local groups at the time of original license application. The scope of the exploration work to continue is unchanged. Consultaion with relation to Development planning and more advanced levels of permitting associated is ongoing, and in 2012 several visits were made by MMGs development team to West Kitikmeot communities as well as principal communities in the Eastern Arctic. 21. 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 Mine Site Reclamation Policy for Nunavut, Indian and Northern Affairs Canada, 2002.

22. FINANCIAL INFORMATION
Is the statement of financial security the same as that considered in the existing water licence?
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. SEE LIST PROVIDED IN THE INFORMATION SUPPLEMENT ASSOCIATED WITH THIS APPLICATION.
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. SEE ATTACHED INFORMATIMON SUPPLIMENT
Is the time schedule for all phases of development (construction, operations, closure and post closure) the same as that considered in the existing licence? Yes No Indicate the proposed start and completion dates for each applicable phase of development (construction, operation, closure, and post closure). Construction Proposed Start Date: (month/year) Operation _ANNUALLY BETWEEN THE FOLLOWING DATES Proposed Start Date: 5 MARCH (month/year) Closure Proposed Start Date: Proposed Completion Date: 5 OCTOBER (month/year) Closure Proposed Start Date: Proposed Completion Date: (month/year) Post - Closure Proposed Start Date: Proposed Completion Date: (month/year) Proposed Completion Date: (month/year)

For each applicable phase of development indicate which season(s) activities occur.				
For each applicable phase of development indicate which season(s) activities occur.				
Construction ☐ Winter ☐ Spring ☐ Summer ☐ Fall ☐ All season				
Operation ☐ Winter ■ Spring ■ Summer ■ Fall ☐ All season				
Closure ☐ Winter ☐ Spring ☐ Summer ☐ Fall ☐ All season				
<u>Post - Closure</u> ☐ Winter ☐ Spring ☐ Summer ☐ Fall ☐ All season				
24. PROPOSED TERM OF LICENCE				
On what date does the existing licence expire? 31 DECEMBER 2012				
Indicate the proposed term of the renewal (maximum of 25 years): 5 YEARS				
Requested date of renewal issuance: DECEMBER 2012 Requested Expiry Date: DECEMBER 2017 (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: Processing Water Licence Applications</i> for more information)				
25. 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 reporting of exploration activity associated with the current water use license 2BE-IZO0712 has been provided to the Nunavut Water Board on an annual basis. A copy of the 2011 annual report is included in this application package and the 2012 report will be submitted before years end.				

26.	CHECKLIST			
The fo	llowing must be inc	luded with the applicat	tion 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 reports (see Block 23).			
	Yes	□No	If no, date expected	
	Updated security assessment (see Block 21).			
	Yes	□No	If no, date expected	
	Updated financial statement (see Block 22).			
	Yes	□No	If no, date expected	
	Compliance Assessment / Status Report (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).			
	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	If no, date expected	
27.	SIGNATURE			
l,			(print name)	
			to water use or waste disposal as previously authorized and that the my knowledge, correct and complete.	
Signat	ure	Date		