

2.0 Minimum Application Requirements (Application Checklist)

Section Title	Section No.	Information Requirement	Indicate whether Information Requirement is applicable by inserting ' Y ' or ' NA '	If 'NA' provide justification	Insert Title, Author and Date of Document where information is provided (see Notes below)	Insert electronic file name of document where information is provided (See Notes below)	Insert Section of document where information is provided	NWB Concordance Assessment
Minimum Application Requirements	1	General Water Licence Application Form (see the NWB's <i>Guide 4: Completing and Submitting a Water Licence Application for a New Licence</i>) or Application for Water Licence Amendment Form, if appropriate (see NWB's <i>Guide 7: Licensee Requirements Following the Issuance of a Water Licence</i>).	Y				With cover letter as preamble to Supplemental Information Report: Section 2.1 and Appendix 3	
	2	Information required to satisfy the requirements of the SIG including plans, reports and designs.	Y				Supplemental Information Report: Section 2.2 and Appendix 2	
	3	Executive summary in english.	Y				Supplemental Information Report: Section 2.3.1	
	4	Translated executive summary in appropriate language and dialect.	Y				Supplemental Information Report: Section 2.3.2 to 2.3.4	
	5	Application fee.	Y				Supplemental Information Report: Section 2.4	
	6	Water use fee.	Y				Supplemental Information Report: Section 2.5	
	7	A table indicating concordance of the application and supporting documents to the Guidelines. These generic Guidelines are provided in excel as a tool for applicants to provide the necessary concordance table.	Y				Supplemental Information Report: Section 2.6, 2.7 and Appendix 2	

Notes: Report title: ERM Rescan. 2014. Madrid Advanced Exploration Program: Type B Water Licence Application Supplemental Information Report. Prepared for TMAC Resources Inc. by ERM Consultants Canada Ltd.: Vancouver, British Columbia.
Electronic document: D.1 - 0194097-0007 (Madrid WLA Supplemental Report).pdf

Qualifications:

- 1 Applications that do not include all of the items listed above will be returned to the applicant as incomplete with a request for the deficient information.
- 2 If more than one licensable activity or facility is proposed that requires a water licence (eg. multiple water sources, waste deposits, structures, crossings, etc.) the required information must be provided for each activity or facility.
- 3 Information between all documents that make up the application package must be consistent and must be accurately cross referenced.
- 4 The application must distinguish between recommendations or options and actual commitments to chosen alternatives.
- 5 For additional guidance regarding the submission of electronic documentation, see the NWB's *Guide 6: Electronic Documentation: Submissions and Registry*.
- 6 The applicant, where practical, may combine components of the information requested in the SIG into more concise plans to provide clarity and eliminate duplication. If this practice is considered, then the applicant must clearly outline, through proper referencing and clearly detailed statements, how the NWB should consider the documents that have combined elements of information. Information management is the responsibility of the applicant.
- 7 The applicant must submit a concise executive summary of the application package. In addition, the Applicant shall submit an executive summary for each separate supporting document, report or study. All executive summaries shall be provided in English, Inuktitut and/or Inuinnaqtun (where applicable).

The applicant must complete the yellow columns of the worksheet(s). Blue columns are for NWB use only.

3.0 General Water Licence Application

Section Title	Section No.	Information Requirement	Indicate whether Information Requirement is applicable by inserting ' Y ' or ' NA '	If 'NA' provide justification	Insert <u>Title, Author and Date of Document</u> where information is provided (see Notes below)	Insert <u>electronic file name of document</u> where information is provided (See Notes below)	Insert <u>Section of document</u> where information is provided	If information is not available at the time of application, indicate when the information will be made available	NWB Concordance Assessment
Applicant	1	Provide the full name of the applicant and contact person including contact information (position, phone number, address, fax number and email address).	Y				General Water License Application block 1 Supplemental Information Report: Section 3.2		
Applicant Representative	2	Provide the name and contact information of any party submitting the application on behalf of the applicant (including position, phone number, address, fax number and email address).	Y				General Water License Application block 1 Supplemental Information Report: Section 3.3		
	3	Provide a signed letter authorizing a party to be the applicant's representative in the licensing process.	Y				Supplemental Information Report: Section 3.3.1		
Name of Project	4	Provide the name of the project.	Y				General Water License Application block 3 Supplemental Information Report: Section 3.1		
Location of Undertaking	5	Provide coordinates of the project extents taking into account the Local Project Area (LPA) and the Regional Project Area (RPA), where applicable.					General Water License Application block 4 Supplemental Information Report:		
	a	Provide location by Latitude and Longitude.	Y				Section 2.1.1 (Table 2.1-1)		
	b	Provide location by UTM coordinates, if available.	Y				Section 2.1.1 (Table 2.1-1)		
	c	Provide the distances to the nearest communities.	Y				Section 5.5		
	6	Indicate whether the drainage basin, in which the project is located, is shared with any other jurisdiction. If applicable, indicate which jurisdiction.	Y				Section 5.2		
Map	7	Provide a map at a 1:50,000 scale based on the National Topographic Series indicating the location of the undertaking, watercourses and the location of waste deposits. Additional maps at various scales may be provided if those maps will provide additional information or clarification. All additional maps must indicate the scale, map sheet number, and location of north.	Y				Supplemental Information Report: Section 3.6 (Figure 3.5-2); Section 4.2 (Figure 4.2-1); Section 4.3 (Figure 4.3-1)		
Nature of Interest in the Land	8	Provide the nature of the interest in the land associated with the proposed undertaking, including:							
	a	Sub-surface leases from Nunavut Tunngavik Incorporated (NTI) and/or Indian and Northern Affairs Canada (INAC) as well as surface authorizations from INAC for crown land use, a Designated Inuit Organization (DIO) for Inuit Owned Land (IOL) use, or the Government of Nunavut for Commissioner's land use. Provide the permit or licence numbers.	Y				General Water License Application block 6		
	b	The date or expected date of issuance of any authorization and the date of expiry.	Y				General Water License Application block 6		

3.0 General Water Licence Application

Section Title	Section No.	Information Requirement	Indicate whether Information Requirement is applicable by inserting ' Y ' or ' NA '	If 'NA' provide justification	Insert <u>Title, Author and Date of Document</u> where information is provided (see Notes below)	Insert <u>electronic file name of document</u> where information is provided (See Notes below)	Insert <u>Section of document</u> where information is provided	If information is not available at the time of application, indicate when the information will be made available	NWB Concordance Assessment
	9	Indicate whether the applicant is the name of the entity holding the authorization for the interest in the land and if not, provide the name of the entity holding the authorization.	Y				General Water License Application block 6 Supplemental Information Report: Section 3.6		
NPC Determination	10	Provide written confirmation from the NPC confirming that NPC's requirements under the NLCA regarding land use plan conformity (Article 11 of the NLCA) have been addressed.	NA	An approved Land Use Plan for the Kitikmeot Region is currently not in place					
NIRB Determination	11	Provide written confirmation from the NIRB confirming that NIRB's requirements under the NLCA regarding development impact assessment (Article 12 of the NLCA) have been or are in the process of being addressed. Documentation may include:					General Water License Application block 8 Supplemental Information Report:		
	a	Written confirmation from NIRB that the project proposal does not require screening;	Y				Section 10.2 and Appendix 10A		
	b	NIRB's screening determination;	Y				Section 10.2 and Appendix 10A		
	c	If a review is required, NIRB's recommendation to the Minister regarding the type of review;	Y				Section 10.2 and Appendix 10A		
	d	If a review is required, the Minister's written decision regarding the review of the development proposal;	Y				Section 10.2 and Appendix 10A		
	e	If a review is required, NIRB's project certificate;	Y				Section 10.2 and Appendix 10A		
	12	List of activities requested for exception in accordance with NLCA s. 12.10.2;	Y				Supplemental Information Report: Section 2.1.1		
	13	Indicate whether any Type B water licence application is for an activity to be considered for interim, short term approval in accordance with NLCA s. 13.5.5.	Y				Supplemental Information Report: Section 2.1.1		
Description of Undertaking	14	See section 4 of this SIG for specific requirements.					see SIG section 4		
Other Applicable Supplemental Information Guidelines	15	Indicate whether any other Supplemental Information Guidelines apply to the undertaking including the following:					General Water License Application block 11		
	a	Hydrostatic testing	NA	not applicable to Program					

3.0 General Water Licence Application

Section Title	Section No.	Information Requirement	Indicate whether Information Requirement is applicable by inserting ' Y ' or ' NA '	If 'NA' provide justification	Insert <u>Title, Author and Date of Document</u> where information is provided (see Notes below)	Insert <u>electronic file name of document</u> where information is provided (See Notes below)	Insert <u>Section of document</u> where information is provided	If information is not available at the time of application, indicate when the information will be made available	NWB Concordance Assessment
	b	Tannery	NA	not applicable to Program					
	c	Tourist / remote camp	NA	not applicable to Program					
	d	Landfarm and on-site storage of hydrocarbon contaminated soil	Y				Supplemental Information Report: Section 2.1.1 and 4.2.11.3		
	e	Onshore oil and gas exploration drilling	NA	not applicable to Program					
	f	Mineral exploration/remote camp	Y				General Water License Application block 11 Supplemental Information Report: Section 4.1.4, 4.2 and 4.3		
	g	Advanced exploration	Y				General Water License Application block 11 Supplemental Information Report: Section 4		
	h	Mine development	NA	not applicable to Program					
	i	Municipal	NA	not applicable to Program					
	j	General Water Works	Y				Supplemental Information Report: Section 4.2.7, 4.3.7 and 6		
	l	Power	NA	not applicable to Program					
Options (Alternatives)	16	Provide a brief explanation of the alternative methods or locations that were considered to carry out the project.	Y				Supplemental Information Report: Section 10.10		
Water Use	17	See section 6 of this SIG for specific requirements	Y				see SIG section 6		
Water Use: Quality and Quantity	18	See section 6 of this SIG for specific requirements	Y				see SIG section 6		
Waste Disposal	19	See section 7 of this SIG for specific requirements	Y				see SIG section 7		
Waste Disposal: Quality and Quantity	20	See section 7 of this SIG for specific requirements	Y				see SIG section 7		

3.0 General Water Licence Application

Section Title	Section No.	Information Requirement	Indicate whether Information Requirement is applicable by inserting ' Y ' or ' NA '	If 'NA' provide justification	Insert <u>Title, Author and Date of Document</u> where information is provided (see Notes below)	Insert <u>electronic file name of document</u> where information is provided (See Notes below)	Insert <u>Section of document</u> where information is provided	If information is not available at the time of application, indicate when the information will be made available	NWB Concordance Assessment
Other Authorizations	21	Provide a list of any authorizations required in relation to the project in addition to the water licence. For each additional authorization required for the project, provide the name of the authorization, the administering agency, the project activity requiring the authorization, the date or expected date of issuance and the date of expiry. Provide a description of how those authorizations may affect the NWB's water licensing process.	Y				General Water License Application block 16		
	22	Indicate whether an authorization has been obtained or sought from the Department of Fisheries and Oceans for dewatering or using any waterbodies for containment of waste	Y				Supplemental Information Report: Section 6.5		
	23	Provide formal applications to the Navigable Waters Protection Program (NWPP) for any works.	Y				Supplemental Information Report: Section 5.3.2, 5.4 and Appendix 5		
	24	Provide a timetable for filing the appropriate plans and procedures required by government parties.	Y				Supplemental Information Report: Section 8.1 (Table 8.1-1)		
	25	Indicate whether the applicant/ licensee holds any existing water licences. If applicable, provide the licence number and expiry date of any existing water licences.	Y				General Water License Application block 6 Supplemental Information Report: Section 10.2 (Table 10.2-1)		
Predicted Environmental Effect and Proposed mitigation measures	26	Identify the potential effect of water use and waste disposal on the following components:	Y				Supplemental Information Report:		
	a	Groundwater and Surface Water including:							
		changes in flow (including seasonal rate of flow)	Y				Section 10.4, 10.5 and Table 10.3-1		
		quantity	Y				Section 10.4.3, 10.4.4, 10.4.5.1 and Table 10.3-1		
		quality	Y				Section 10.4.5.1 and Table 10.3-1		
	b	Land including:							
		geologic structure change	Y				Section 10.4, 10.5 and Table 10.3-1		
		soil contamination	Y				Section 10.5 and Table 10.3-1		
		compaction, settling and erosion	Y				Section 10.5.1 and Table 10.3-1		
		alteration of the permafrost regime	Y				Section 10.4.2 and Table 10.3-1		
		riparian zone loss	Y				Section 10.5.1 and Table 10.3-1		
	c	Vegetation including:							
		species composition and abundance	Y				Section 10.5.1 and Table 10.3-1		
		non-native species introduction	Y				Section 10.5.1 and Table 10.3-1		
		accumulation of toxins and heavy metals (in relation to remediation objectives for closure)	Y				Section 10.5.2 and Table 10.3-1		
	d	Aquatic Ecosystems including:							
		fish	Y				Section 10.5.3 and Table 10.3-1		
		benthic invertebrates	Y				Section 10.5.3 and Table 10.3-1		

3.0 General Water Licence Application

Section Title	Section No.	Information Requirement	Indicate whether Information Requirement is applicable by inserting ' Y ' or ' NA '	If 'NA' provide justification	Insert <u>Title, Author and Date of Document</u> where information is provided (see Notes below)	Insert <u>electronic file name of document</u> where information is provided (See Notes below)	Insert <u>Section of document</u> where information is provided	If information is not available at the time of application, indicate when the information will be made available	NWB Concordance Assessment
		plankton	Y				Section 10.5.3 and Table 10.3-1		
	27	Identify effects separately for each project phase.	Y				Supplemental Information Report: Section 10.3 (Table 10.3-1)		
	28	Provide a description of the methods used to predict effects.	Y				Supplemental Information Report: Section 10.3 (Table 10.3-1)		
	29	Provide a cumulative effects assessment of the project's water use and waste disposal activities in relation to other activities in the same drainage basin.	Y				Supplemental Information Report: Section 10.7		
	30	Identify effects arising from accidental events or malfunctions.	Y				Supplemental Information Report: Section 10.8		
	31	Provide a description of all proposed mitigation, management and monitoring programs to mitigate adverse impacts.	Y				Supplemental Information Report: Section 10.4, 10.5 and Table 10.3-1		
	32	Provide a description of the measures to be taken to mitigate impacts on historical resources or traditional uses of water and procedures to be followed should artifacts be discovered.	Y				Supplemental Information Report: Sections 5.5, 10.6 and Appendix 10B		
	33	If applicable, provide a description of any potential transboundary effects.	Y				Supplemental Information Report: Section 10.9		
	34	See sections 5, 6, 7, and 8 of this SIG for additional information requirements	Y				See sections 5, 6, 7, and 8 of this SIG for additional information requirements		
Existing and Other User Water Rights	35	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.	NA	not applicable to Program					
	36	Provide a description of any potential effects of the project on the persons or properties identified in item 35 of this section.	NA	not applicable to Program					
	37	Provide a description of the measures incorporated into the project design to mitigate effects of the project on the persons or properties identified in item 35 of this section.	NA	not applicable to Program					
	38	Indicate whether compensation has been paid and/or agreement(s) for compensation have been reached with any existing or other users.	NA	not applicable to Program					
Inuit Water Rights	39	Provide a description of any potential effects of the project on the quality, quantity, or flow of waters flowing through Inuit Owned Land (IOL).	Y				General Water License Application block 19		
	40	Provide a description of the measures incorporated into the project design to mitigate effects of the project on the quality, quantity, or flow of waters flowing through IOL.	Y				General Water License Application block 19		

3.0 General Water Licence Application

Section Title	Section No.	Information Requirement	Indicate whether Information Requirement is applicable by inserting 'Y' or 'NA'	If 'NA' provide justification	Insert <u>Title, Author and Date of Document</u> where information is provided (see Notes below)	Insert <u>electronic file name of document</u> where information is provided (See Notes below)	Insert <u>Section of document</u> where information is provided	If information is not available at the time of application, indicate when the information will be made available	NWB Concordance Assessment
	41	Indicate whether an agreement to pay compensation for any loss or damage has been reached with one or more Designated Inuit Organization (DIO); or if the parties have been unable to reach an agreement on compensation	Y				General Water License Application block 19		
Consultation	42	Provide a summary of any consultation meetings including when the meetings were held, where and with whom.	Y				Supplemental Information Report: Section 11.2 and 11.3		
	43	Provide a summary of the results of consultation meetings including a list of concerns expressed and measures proposed to address concerns.	Y				Supplemental Information Report: Section 11.2 and 11.3		
Security	44	Provide a financial security assessment that is prepared in a manner consistent with principals respecting mine site reclamation and implementation found in the <u>Mine Site Reclamation Policy for Nunavut</u> , Indian and Northern Affairs Canada, 2002. The financial security assessment must include:					Supplemental Information Report:		
	a	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;	Y				Section 9.2 (Table 9.2-1) and Appendix 9		
	b	The cost of having the necessary reclamation work done by a third-party contractor if the operator defaults;	Y				Section 9.2 (Table 9.2-1) and Appendix 9		
	c	Contingency factors appropriate to the particular work to be undertaken.	Y				Section 9.2 (Table 9.2-1) and Appendix 9		
Abandonment and Restoration	45	Provide plans for the abandonment and restoration of the project. Detail the costs to carry out the plan, and a proposal for financial assistance which covers the costs to carry out the plan.	Y				Supplemental Information Report: Section 9 and Appendix 9		
	46	Provide a list and description of any existing abandoned or restored site facilities.	Y				Supplemental Information Report: Section 9 and Appendix 9		
Financial Information	47	Provide a statement of financial responsibility.	Y						
	48	If the applicant is an entity for which audited financial statements are issued, a copy of the most recent audited financial statements must be attached to the statement of financial responsibility.	Y				General Water License Application block 22 Supplemental Information Report: Section 3.3.3 and Appendix 3		
	49	Provide the name of the corporation, limited company or other business entity, with a list of the officers of the company and a copy of the Certificate of Incorporation or evidence of registration of the company name.	Y						
Studies and Designs	50	Provide a list of studies, reports and plans relevant to the application that have been undertaken to date including:					Supplemental Information Report: Section 4, 5, 6, 7, and 9; Appendix 4, 5, 6, 7 and 9		
	a	Design rationale, design requirements, design criteria, design parameters, design standards/analysis/method;	Y						
	b	Design assumptions and the limitations associated with such design assumptions;	Y						
	c	The inclusion of clear, definable engineering qualifiers with all design drawings and reports;	Y						
	d	Site specific data and analysis to support the design and management decisions made;	Y						
	e	Materials that appropriately delineate the particulars of a design or plan.	Y						

3.0 General Water Licence Application

Section Title	Section No.	Information Requirement	Indicate whether Information Requirement is applicable by inserting 'Y' or 'NA'	If 'NA' provide justification	Insert <u>Title, Author and Date of Document</u> where information is provided (see Notes below)	Insert <u>electronic file name of document</u> where information is provided (See Notes below)	Insert <u>Section of document</u> where information is provided	If information is not available at the time of application, indicate when the information will be made available	NWB Concordance Assessment
	51	Provide construction methods and procedures regarding how infrastructure will be put in place on-site.	Y				Supplemental Information Report: Section 4.1 to 4.4		
	52	Provide a timetable for submission of preliminary and final-for-construction engineered designs (note: for construction designs are required for NWB approvals).	Y				Supplemental Information Report: Section 2.2		
	53	See sections 5, 6 and 7 of this SIG for additional information requirements	Y				See SIG section 5, 6, and 7		
Proposed Time Schedule	54	Provide the proposed start and completion dates for each phase of development (construction, operation, closure and post closure) and any anticipated periods of seasonal shut down.	Y				General Water License Application block 24 Supplemental Information Report: Section 3.4		
Proposed Term of Licence	55	Provide a proposed term of licence including the expected date of licence issuance and the expected date of licence expiry.	Y				General Water License Application block 24 and 25 Supplemental Information Report: Section 3.4		
Annual Reporting	56	Provide detailed information regarding the content of annual reports and a proposed outline or template of the annual report. The annual report should include the following:							
	a	Water related monitoring results;	Y				General Water License Application block 26		
	b	Comparison of water quality and quantity monitoring data with the water quality and quantity predictions presented in the application;	Y				General Water License Application block 26		
	c	A description of how the conditions in the NIRB project certificate related to the NWB mandate have been implemented;	Y				General Water License Application block 26		
	d	Project changes under adaptive management;	Y				General Water License Application block 26		
	e	Any actions taken in response to direction provided by the Inspector.	Y				General Water License Application block 26		
Renewals and Amendments	57	If the application is for a renewal or amendment of an existing licence provide the water licence number and the date of water licence expiry.	Y				Supplemental Information Report: Section 10.2 (Table 10.2-1)		
	58	If the application is for a renewal or amendment of an existing licence, provide a compliance assessment/status report. This report must document the status of compliance for each condition of the existing water licence taking into consideration inspector dialogues and inspector directions, responses to inspector dialogues and inspector directions, spills that may have occurred, and any reporting requirements. The report must indicate when facilities were inspected by regulatory agencies and list any spills that may have occurred including a description, location shown on a map, and the action taken to address the affected area.	NA						

Notes: Report title: ERM Rescan. 2014. Madrid Advanced Exploration Program: Type B Water Licence Application Supplemental Information Report. Prepared for TMAC Resources Inc. by ERM Consultants Canada Ltd.: Vancouver, British Columbia.
 Electronic document: D.1 - 0194097-0007 (Madrid WLA Supplemental Report).pdf

4.0 Project Description

Section Title	Section No.	Information Requirement	Indicate whether Information Requirement is applicable by inserting 'Y' or 'NA'	If 'NA' provide justification	Insert Title, Author and Date of Document where information is provided (see Notes below)	Insert electronic file name of document where information is provided (See Notes below)	Insert Section of document where information is provided	If information is not available at the time of application, indicate when the information will be made available	NWB Concordance Assessment
Description of Undertaking	1	Provide a complete description of the undertaking with detailed site plan(s) of all project infrastructure for the Local Project Area (LPA) and/or the Regional Project Area (RPA), where applicable. Include maps and/or aerial photos with scales that allow the determination of distances between the objects depicted. Differentiate any temporary components from permanent components. Consider the following in providing the description:					Supplemental Information Report:		
	a	Raw water intake;	Y				Section 4.4.2, 6.1.1, 6.1.2 and 6.6		
	b	Water storage and treatment facilities including distribution systems;	Y				Section 4.2.7, 4.2.8, 4.3.7, 4.3.8 and 6.4		
	c	Existing water bodies/courses and any changes to these water bodies/courses that may have or may occur as a result of water use or waste disposal facilities. Provide an outline of the drainage basin and drainage patterns within the RPA;	Y				Section 6.3 to 6.6, 10.4.3 to 10.4.4 and 10.4.5.1		
	d	Location of receiving water bodies and drainage pathways;	Y				Section 5.2		
	e	Transportation access routes and details of water course crossings;	Y				Section 4.1.1, 4.2.1, 4.3.1 and 6.5		
	f	Locations of environmental monitoring sites;	Y				Section 8.1 (Table 8.1-2)		
	g	Traditional water use and land use areas that may be impacted by the project;	Y				Section 10.6		
	h	Sewage treatment facilities;	Y				Section 4.2.11.1, 4.3.11 and 7.1 (Table 7.1-1)		
	i	Wastewater treatment area and discharge outlet locations;	Y				Section 4.2.11.1, 4.3.11, 4.4.3 and 7.1 (Table 7.1-1)		
	j	Solid waste disposal areas and drainage patterns;	Y				Section 4.2.11.1, 4.3.11 and 7.1 (Table 7.1-1)		
	k	Incinerators	Y				Section 4.2.11.2		
	l	Landfarm (see the NWB's SIG for Landfarm and on-site storage of hydrocarbon contaminated soil (I3));	Y				Section 4.2.11.3		
	m	Waste rock piles (PAG and non-PAG);	Y				Section 4.2.3, 4.3.3 and 8.3		
	n	Stockpiles;	Y				Section 4.2.2, 4.3.2 and 8.3		
	o	Mill or processing plant	Y				Section 4.1.2		
	p	Tailings containment areas;	Y				Section 4.1.3		
	q	Laydown areas;	Y				Section 4.2.4 and 4.3.4		
	r	Quarries;	Y				Section 4.2.5, 4.3.5 and 7.2		
	s	Hazardous waste disposal area;	Y				Section 4.2.11.3, 4.3.11 and 7.1 (Table 7.1-1)		
	t	Waste discharge distribution lines;	Y				Section 4.2.11 and 4.3.11		
	u	Fuel and chemical storage;	Y				Section 4.2.10.2, 4.2.10.3 and 4.3.10		
	v	Explosives manufacturing and storage;	Y				Section 4.2.10.1 and 4.3.10		
	w	Abandoned and/or restored facilities;	NA	not applicable to the Project					
	x	Existing on site infrastructure	Y				Section 4.1		
	y	Others:	NA	not applicable to the Program					

4.0 Project Description

Section Title	Section No.	Information Requirement	Indicate whether Information Requirement is applicable by inserting 'Y' or 'NA'	If 'NA' provide justification	Insert Title, Author and Date of Document where information is provided (see Notes below)	Insert electronic file name of document where information is provided (See Notes below)	Insert Section of document where information is provided	If information is not available at the time of application, indicate when the information will be made available	NWB Concordance Assessment
Exploration Activities	2	Indicate the status of the exploration activity on the date of application as one of the following					Supplemental Information Report:		
	a	Design	Y				Section 3.5.1		
	b	Under construction	Y				Section 3.5.1		
	c	In operation	Y				Section 3.6 and 3.7		
	d	Suspended	NA	not applicable to the Program					
	e	Care and maintenance	Y				Section 3.6		
	f	Abandoned	NA	not applicable to the Program					
	g	Other:	NA	not applicable to the Program					
	3	If a change in the status of the exploration activity is expected, indicate the nature and anticipated date of such change.	Y				Supplemental Information Report: Section 3.4		
	4	Indicate the type (or proposed type) of exploration operation and provide a description of the method.	Y				Supplemental Information Report:		
	a	Reverse circulation to obtain bulk sample	NA	not applicable to the Program					
	b	Trenching	Y				Section 4.4.5		
	c	Conventional open pit	NA	not applicable to the Program					
	d	Decline	Y				Section 4		
	e	Conventional underground	Y				Section 4		
	f	Strip mining activity	NA	not applicable to the Program					
	g	Other: (describe)	Y				Section 4.4.1 (Diamond Drilling); Section 4.4.4 (Airborne, Surficial and Downhole Geophysics); Section 4.4.5 (Prospecting, Mapping and Sampling)		
	5	Indicate the size (in tonnes) and number of samples that will be obtained. Indicate whether smaller samples are to be collected from different locations to form one large bulk sample and provide the location of each sample.	Y				Supplemental Information Report: Section 4		
	6	Indicate the present (or proposed) average rate of exploratory production from all mineralized sources in tonnes of ore / day.	Y				Supplemental Information Report: Section 4.1.2		
Milling/ Processing Activities	7	Provide a copy of the mill or processing plant flow sheet. Indicate the points of addition of the various reagents (chemicals) that will be used.	NA	not applicable to the Program			Supplemental Information Report: Section 4.1.2		
	8	Indicate the capacity of the mill	NA	not applicable to the Program			Supplemental Information Report: Section 4.1.2		
	9	Indicate the proposed rate of milling (tonnes/day)	NA	not applicable to the Program			Supplemental Information Report: Section 4.1.2		
	10	If applicable, indicate whether the (proposed) milling circuit is in whole or in part based on autogenous grinding.	NA	not applicable to the Program			Supplemental Information Report:		
Camp	11	Classify the camp as one of the following:							

4.0 Project Description

Section Title	Section No.	Information Requirement	Indicate whether Information Requirement is applicable by inserting 'Y' or 'NA'	If 'NA' provide justification	Insert Title, Author and Date of Document where information is provided (see Notes below)	Insert electronic file name of document where information is provided (See Notes below)	Insert Section of document where information is provided	If information is not available at the time of application, indicate when the information will be made available	NWB Concordance Assessment
	a	Mobile (self propelled)	NA	not applicable to the Program					
	b	Temporary	Y				Section 4.1.4		
	c	Seasonally occupied	NA	not applicable to the Program					
	d	Permanent	Y				Section 4.1.4		
	e	Other: (describe)	Y				Section 4.2.7 (Windy Lake exploration camp being decommissioned); Section 4.3 (historic Wolverine Camp)		
	12	Provide the design, maximum and average populations of the camp	Y				Section 4.1.4		
	13	Provide a description of how the location of the camp was selected. Indicate whether assistance from the Regional Inuit Association Land Manager was obtained in selecting the site.	Y				Section 4.1.4 and 5.5		

Notes: Report title: ERM Rescan. 2014. Madrid Advanced Exploration Program: Type B Water Licence Application Supplemental Information Report. Prepared for TMAC Resources Inc. by ERM Consultants Canada Ltd.: Vancouver, British Columbia.
 Electoric document: D.1 - 0194097-0007 (Madrid WLA Supplemental Report).pdf

5.0 Baseline Information

Section Title	Section No.	Information Requirement	Indicate whether Information Requirement is applicable by inserting 'Y' or 'NA'	If 'NA' provide justification	Insert <u>Title, Author and Date of Document</u> where information is provided (see Notes below)	Insert <u>electronic file name of document</u> where information is provided (See Notes below)	Insert <u>Section of document</u> where information is provided	If information is not available at the time of application, indicate when the information will be made available	NWB Concordance Assessment
Environmental Setting	1	Provide a description of the regional and local setting using maps and/or aerial photos with scales that allow the determination of distances between the objects depicted.	Y				Supplemental Information: Section 3.5 (Figure 3.5-1 and 3.5-2) and 5.1 to 5.5		
	2	Provide a brief history of the property development which took place before the present company gained control of the site. Include shafts, adits, mills, waste dumps, chemical storage areas, tailings disposal areas, and effluent discharge locations. Make references to a detailed map.	Y				Supplemental Information: Section 3.6 (Figure 3.5-2, 4.2-1 and 4.3-1) and Appendix 4		
	3	Provide a description of the site conditions, including:					Supplemental Information Report:		
	a	location	Y				Section 5.2, Appendix 5		
	b	topography	Y				Section 5.3.1, Appendix 5		
	c	geologic conditions	Y				Section 5.2, Appendix 5		
	d	hydrologic characteristics	Y				Section 5.2, Appendix 5		
	e	climate conditions and predicted future climate trends	Y				Section 5.2, Appendix 5		
	f	seismicity	Y				Section 5.2, Appendix 5		
	g	permafrost conditions	Y				Section 5.2, Appendix 5		
	4	Provide a description of the regional and local surface water regime and drainage area and outline the drainage basin on an attached map.	Y				Supplemental Information: Section 5.2, Appendix 5 and Figure 3.5-2		
	5	Provide a description of the groundwater regime.	Y				Supplemental Information: Section 5.2, Appendix 5		
	6	Provide baseline data and an evaluation of baseline data describing surface and groundwater quality in the project area (physical, chemical, and biological characteristics).	Y				Supplemental Information: Section 5.2, Appendix 5		
	7	Provide a description of the usual break-up and freeze-up periods.	Y				Supplemental Information: Section 5.2, Appendix 5		
	8	Provide a description of streambed material, streambank material, and streambank vegetation.	Y				Supplemental Information: Section 5.3.2, Appendix 5		
	9	Indicate the slope of the banks of any water course affected by the application	Y				Supplemental Information: Section 5.3.2, Appendix 5		
	10	Provide a description of the meander pattern for any channel affected by the application	NA	not applicable to the Program					
	11	Provide the following streamflow data in cubic metres per second for each watercourse included in the application:					Supplemental Information: Section 5.2, Appendix 5		
	a	mean annual flow;	Y						
	b	mean summer flow;	Y						
	c	minimum summer flow;	Y						
	d	minimum annual flow;	Y						
	e	mean annual flood;	Y						
	f	maximum summer flood;	Y						
	g	mean summer flood;	Y						
	12	Provide bathymetric information for water bodies affected by the application.	Y				Supplemental Information Report: Section 5.2, Appendix 5		
	13	Provide a description of the ground condition for design and engineering of earthwork infrastructure, including (if applicable, provide test pit/ drill hole logs and laboratory test results):	Y				Supplemental Information Report:		
	a	Waste rock facilities	Y				Appendix 4		

5.0 Baseline Information

Section Title	Section No.	Information Requirement	Indicate whether Information Requirement is applicable by inserting ' Y ' or ' NA '	If 'NA' provide justification	Insert <u>Title, Author and Date of Document</u> where information is provided (see Notes below)	Insert <u>electronic file name of document</u> where information is provided (See Notes below)	Insert <u>Section of document</u> where information is provided	If information is not available at the time of application, indicate when the information will be made available	NWB Concordance Assessment
	b	Tailings containment area	NA	not applicable to the Program			Appendix 4		
	c	Landfills	NA	not applicable to the Program			Appendix 4		
	d	Landfarms	NA	not applicable to the Program			Appendix 4		
	e	Fuel and chemical storage facilities	Y				Appendix 4		
	f	Explosives management areas and facilities	Y				Appendix 4		
	g	Roads	Y				Appendix 4		
	h	Quarries or borrow pits	Y				Appendix 4		
	i	Hazardous waste facilities	Y				Appendix 4		
	j	Wastewater treatment facilities	Y				Appendix 4		
	k	Ore stockpiles	Y				Appendix 4		
	l	Overburden piles	Y				Appendix 4		
	14	Provide results of any assessment of the permeability of any faults and taliks beneath water bodies.	Y				Supplemental Information: Section 5.2, 7.3 and Appendix 7A		
	15	Provide a description of the historical uses of the waters affected by the project.	Y				Supplemental Information: Section 5.5, Appendix 5		
	16	Provide a description of any traditional uses of water in the project area.	Y				Supplemental Information: Section 5.5, Appendix 5		
	17	Indicate whether fish, shellfish, or other wildlife are present and harvested in or near discharge areas and, if applicable, indicate the species harvested and the level of harvest.	Y				Supplemental Information: Section 5.4, Appendix 5		
	18	Provide a description of the results of any consultation with Elders regarding the collection of baseline data.	Y				Supplemental Information: Section 4.3.1.1, 11.2, 11.3, Appendix 5		
Geology and Mineralogy	19	Provide a description of the physical nature of the mineralization, including known dimensions and approximate shape	Y				Supplemental Information: Section 5.2, Appendix 5		
	20	Provide a description of the host rock in the general vicinity of the mineralization (from the surface to the mineralized zone)	Y				Supplemental Information: Section 5.2, Appendix 5		
	21	Provide a geological description of the mineralized zone. (If possible, include the percentage of metals)	Y				Supplemental Information: Section 5.2, Appendix 5		
	22	Provide a description of the geochemical tests which have been (or will be) performed on the ore, host rock, and waste rock to determine their relative acid generation and contaminant leaching potential. Outline methods used (or to be used) and provide test results in an attached report (ie. static test, kinetic tests).	Y				Supplemental Information: Section 4, Section 8, Appendix 5 and Appendix 8		
	23	Provide an estimate of the percentage of sulphide in the mineralization including:					Supplemental Information Report:		
	a	Pyrite	Y				Section 5.2, Appendix 5 and Section 8.3, Appendix 8B		
	b	Pyrrhotite	Y				Section 5.2, Appendix 5 and Section 8.3, Appendix 8B		
	c	Pyrite / Pyrrhotite mixture	Y				Section 5.2, Appendix 5 and Section 8.3, Appendix 8B		
	d	Arsenopyrite	Y				Section 5.2, Appendix 5 and Section 8.3, Appendix 8B		

5.0 Baseline Information

Section Title	Section No.	Information Requirement	Indicate whether Information Requirement is applicable by inserting 'Y' or 'NA'	If 'NA' provide justification	Insert <u>Title, Author and Date of Document</u> where information is provided (see Notes below)	Insert <u>electronic file name of document</u> where information is provided (See Notes below)	Insert <u>Section of document</u> where information is provided	If information is not available at the time of application, indicate when the information will be made available	NWB Concordance Assessment
	24	Provide a description of the geochemical tests which have been (or will be) performed on quarry or borrow material to determine the relative acid generation and contaminant leaching potential. Outline methods used (or to be used) and provide test results in an attached report (ie. static test, kinetic tests).	Y				Supplemental Information Report: Section 8.4, Appendix 8C		
Fisheries	25	The applicant is advised to consult with DFO regarding fish and fish habitat related issues and to visit DFO's website at http://www.dfo-mpo.gc.ca/habitat/habitat-eng.htm . Indicate whether the applicant has consulted with DFO and provide the results of any consultation.	Y				Supplemental Information Report: Section 5.1, Appendix 5		
	26	If applicable, provide baseline data and an evaluation of baseline data describing fish and fish habitat in the project area.					Supplemental Information:		
	27	If applicable, provide a fisheries assessment including:							
	a	Detailed area description (including photographic record);	Y				Section 5.3.2, 5.4, Appendix 5		
	b	Description of fish habitat (including river or lake bottom substrates such as silt, sand, or cobble);	Y				Section 5.3.2, 5.4, Appendix 5		
	c	Presence of sensitive habitats (spawning, migration corridors etc.);	Y				Section 5.3.2, Appendix 5		
	d	Description of aquatic and riparian vegetation;	Y				Section 5.3.2, Appendix 5		
	e	Fish community and lifestage present;	Y				Section 5.4 (Table 5.4-1), Appendix 5		
	f	Depth and width of watercourse;	Y				Appendix 5		
	g	Max/min water flows, currents, tides;	Y				Appendix 5		
Studies	h	Turbidity and sediment loads (total suspended solids);	Y				Section 5.3.2, Appendix 5		
	i	Sport, commercial, subsistence fishery present.	Y				Section 5.5, Appendix 5		
	28	Provide a list of baseline studies, reports and plans relevant to the application that have been undertaken to date including:					Supplemental Information Report		
	a	Geotechnical studies;	Y				Section 5.2, Appendix 5		
	b	Geochemical studies;	Y				Section 5.2, Appendix 5		
	c	Water quality studies;	Y				Section 5.2, 5.3 and Appendix 5		
	d	Hydrological and hydrogeological studies;	Y				Section 5.2, Appendix 5		
	e	Traditional use studies;	Y				Section 5.5, Appendix 5		
	f	Aquatic studies;	Y				Section 5.3.2, Appendix 5		
	g	Meteorological studies;	Y				Section 5.2, Appendix 5		

Notes: Report title: ERM Rescan. 2014. Madrid Advanced Exploration Program: Type B Water Licence Application Supplemental Information Report. Prepared for TMAC Resources Inc. by ERM Consultants Canada Ltd.: Vancouver, British Columbia.
 Electronic document: D.1 - 0194097-0007 (Madrid WLA Supplemental Report).pdf

6.0 Water Use: Quality, Quantity, Predicted Environmental Impact and Proposed Mitigation Measures

Section Title	Section No.	Information Requirement	Indicate whether Information Requirement is applicable by inserting 'Y' or 'NA'	If 'NA' provide justification	Insert <u>Title, Author and Date of Document</u> where information is provided (see Notes below)	Insert <u>electronic file name of document</u> where information is provided (See Notes below)	Insert <u>Section of document</u> where information is provided	If information is not available at the time of application, indicate when the information will be made available	NWB Concordance Assessment
Water Use	1	Provide a detailed description of all types of water uses including: (See the NWB definition of "use" in the NWB Guide 2: Terminology and Definitions). Categorize water consumption use(s) as either mining/industrial use and/or domestic use.					Supplemental Information Report:		
	a	Obtain water for domestic purposes	Y				Section 6.1 (Table 6.1-1)		
	b	Obtain water for industrial purposes	Y						
		drilling	Y				Section 4.2.7, 4.3.7, 6.1.1		
		mill or processing plant	NA	not applicable to the Program					
		ice road construction	Y				Section 4.2.7, 4.3.7		
		other: (describe)	NA	not applicable to the Program					
	c	To cross a water course	Y				Section 6.5		
	d	To alter the flow of water, or store water	Y				Section 4.2.7, 4.2.8, 4.3.7, 4.3.8, 6.4		
	e	Flood control	NA	not applicable to the Program					
	f	To divert a watercourse	NA	not applicable to the Program					
	g	To modify the bed or bank of a watercourse	NA	not applicable to the Program					
	h	Others:	NA	not applicable to the Program					
Water Use: Quality and Quantity Water Intake **Identify uses as either domestic or industrial**	2	Provide the name of the primary water source(s) as well as the name of any alternative water source(s).	Y				Supplemental Information Report: Section 6.1 (Table 6.1-1)		
	3	Provide a description of the source(s) of water and the location of the water source(s) as shown on a map.	Y				Supplemental Information Report: Section 3.5.1, Figure 3.5-2 and Section 6.1		
	4	Indicate the type of water source(s) as lake, river, well, or other type.	Y				Supplemental Information Report: Section 6.1		
	5	Provide a description of the quality of the water from the source(s) for each season (summer, fall, winter, spring).	Y				Supplemental Information Report: Section 6.3 and Appendix 5		
	6	Provide the capacity of the water source(s).	Y				Supplemental Information: Section 6, Section 10, (Table 10.4-1)		
	7	Provide the acquisition rate in cubic metres per day and cubic metres per year from each water source.	Y				Supplemental Information: Section 6.1 (Table 6.1-1) and Section 10.4 (Table 10.4-1)		
	8	Provide a description of the water intake method(s) including the intake facility, the operating capacity of the pump used, the details of any screening to exclude fish, and the distance the pump will be placed from the ordinary high water mark of the watercourse.	Y				Supplemental Information: Section 4.2.7, 4.3.7 and Appendix 4, Section 6.6		
	9	Provide a description of the general condition of any existing water intake facility. Rate the condition of the facility as satisfactory or unsatisfactory and explain the rating.	NA	not applicable to the Program					

6.0 Water Use: Quality, Quantity, Predicted Environmental Impact and Proposed Mitigation Measures

Section Title	Section No.	Information Requirement	Indicate whether Information Requirement is applicable by inserting 'Y' or 'NA'	If 'NA' provide justification	Insert <u>Title, Author and Date of Document</u> where information is provided (see Notes below)	Insert <u>electronic file name of document</u> where information is provided (See Notes below)	Insert <u>Section of document</u> where information is provided	If information is not available at the time of application, indicate when the information will be made available	NWB Concordance Assessment
	10	Indicate whether water is drawn from the source(s) intermittently or continuously and if intermittently indicate during what months it is drawn and for what period it is drawn (days/weeks/months).	Y				Supplemental Information: Section 4.2.7, 4.2.8, 4.3.7, 4.3.8, Appendix 6, Appendix 8		
	11	Indicate the amount of water to be returned to the source.	NA	not applicable to the Program					
	12	Provide a description of the methods to ensure water returned to any source is of an acceptable quality.	NA	not applicable to the Program					
	13	Provide a description of any hydrostatic testing programs, including water sources, and treatment/disposal requirements. If applicable, refer to the NWB's SIG for Hydrostatic Testing.	NA	not applicable to the Program					
	14	Indicate the quantities of water required for ice road construction and provide a description of the methods of ice road construction.	Y				Supplemental Information Report: Section 6.2		
	15	Provide a description of any measures to reduce water consumption.	Y				Supplemental Information: Section 8.1, Appendix 8A and Section 10.4.4		
Water Storage	16	Provide a description of any water storage facilities including the type (reservoir/pond, storage tank), location, design, and the water storage volume in cubic meters.	Y				Supplemental Information: Sections 4.2.7, 4.2.8, 4.3.7, 4.3.8, Section 8, Appendix 8A		
	17	If the water storage facility is a reservoir, indicate whether the reservoir is lined, the type of liner and when it was or will be installed.	NA	not applicable to the Program					
	18	Indicate whether a storage reservoir is created in a natural channel. If applicable, provide plan and profile drawings of the reservoir including the size of the drainage basin upstream of the reservoir, topographical plan showing the drainage area boundary, number of hectares flooded, surface area of the reservoir at full capacity, storage capacity, and details of shoreline protection.	NA	not applicable to the Program					
	19	Provide a plan showing representative cross sections of the reservoir.	NA	not applicable to the Program					
	20	Provide a description of the general condition of any existing water storage facility and provide an explanation if it is unsatisfactory.	NA	not applicable to the Program					
Water Distribution	21	Provide a description of water distribution systems (ie. piped water, trucked).	Y				Supplemental Information: Section 4.2, 4.3, 8.1, 8.2 and Appendix 8A		
	22	Provide a description of the general condition of any existing water distribution system and provide an explanation if it is unsatisfactory.	NA	not applicable to the Program					
Watercourse Crossings	23	Provide a description of any watercourse crossings including pipelines, bridges, culverts or roads and its purpose.	Y				Supplemental Information: Section 4.2, 4.3, Appendix 4 and Section 6.5		
	24	Provide a plan of any watercourse crossing showing cross section and elevations	Y				Supplemental Information: Figure 3.5-2, Section 4, Appendix 4 and Section 6.5		
Watercourse Trainings	25	Provide a description of any watercourse trainings including channel and bank alterations, culverts, spurs, erosion control, and artificial accretion, and its purpose.	NA	not applicable to the Program					
Flood Control	26	Provide a description of any flood control structures and its purpose.	NA	not applicable to the Program					

6.0 Water Use: Quality, Quantity, Predicted Environmental Impact and Proposed Mitigation Measures

Section Title	Section No.	Information Requirement	Indicate whether Information Requirement is applicable by inserting 'Y' or 'NA'	If 'NA' provide justification	Insert <u>Title, Author and Date of Document</u> where information is provided (see Notes below)	Insert <u>electronic file name of document</u> where information is provided (See Notes below)	Insert <u>Section of document</u> where information is provided	If information is not available at the time of application, indicate when the information will be made available	NWB Concordance Assessment
<i>Diversions</i>	27	Provide a description of any diversions including ditches and dikes and its purpose.	Y				Supplemental Information: Section 4.2.7, 4.2.8, 4.3.7, 4.3.8 and Appendix 4		
<i>Alterations in flow</i>	28	Provide a description of any activities or structures that could alter the flow of a watercourse including dams, spillways, berms, cofferdams, and dikes, and its purpose.	Y				Supplemental Information: Section 4.2.7, 4.2.8, 4.3.7, 4.3.8 and Appendix 4		
	29	Indicate whether the natural storage capacity or water level of any lake or pond will be altered.	Y				Supplemental Information: Section 4.2.7, 4.2.8, 4.3.7, 4.3.8 and Appendix 4		
	30	If the alteration involves a dam, provide a plan showing the length, height, cross section and elevations of the dam and the location and preliminary designs of spillways, canals, sluice pipes, and any other outlet work.	Y				Supplemental Information: Section 3.6, 4.1.3		
<i>Dewatering</i>	31	Provide a description of dewatering programs, if planned, including estimated quantities, qualities, dewatering flow rates, methods and schedule of withdrawal, end use or discharge location.	NA	not applicable to the Program					
<i>Identification</i>	32	Indicate whether there are any signs identifying past or present water intake, storage, distribution systems and/or waterwork structures presently in the project area.	NA	not applicable to the Program					
<i>Modifications</i>	33	Indicate whether any changes are planned for the water intake, storage, distribution systems and/or waterwork structures. If applicable, see item 36 of this section.	NA	not applicable to the Program					
<i>Proposed Water Works</i>	34	For each water work component provide the design plans stamped for construction. Design plans shall consider the following:					Supplemental Information Report: Section 4, Appendix 4; Section 8, Appendix 8		
	a	Name of the water body(s) affected.	Y						
	b	Site photos, site map, or air photos of the location.	Y						
	c	Description of the existing condition of the site (see Section 5)	Y						
	d	Indicate whether any structure will be placed in water on a temporary, seasonal or permanent basis and provide a description of when and how the structure will be removed.	Y						
	e	The design flood flow in cubic metres per second and its return period for the type of structure proposed.	Y						
	f	An explanation of the rationale for the selected design flow flood and its return period.	Y						
	g	Design drawings in plan and profile, drawn to scale, including all relevant dimensions.	Y						
	h	Details of design parameters including seismic design criteria if applicable.	Y						
	i	In water work timing restriction for fisheries.	Y						
	j	Start and completion dates for construction.	Y						
	k	Construction schedule and sequence taking into account any timing restrictions.	Y						
	l	Construction methods.	Y						
	m	Equipment to be used.	Y						
	n	A description of the source, type, and composition of material used in construction.	Y						
	o	The quantity of material to be either placed into or removed from the watercourse.	Y						
	p	Sedimentation and erosion control measures.	Y						
	q	Construction monitoring plans.	Y						
	r	Construction quality assurance and quality control measures.	Y						

6.0 Water Use: Quality, Quantity, Predicted Environmental Impact and Proposed Mitigation Measures

Section Title	Section No.	Information Requirement	Indicate whether Information Requirement is applicable by inserting 'Y' or 'NA'	If 'NA' provide justification	Insert <u>Title, Author and Date of Document</u> where information is provided (see Notes below)	Insert <u>electronic file name of document</u> where information is provided (See Notes below)	Insert <u>Section of document</u> where information is provided	If information is not available at the time of application, indicate when the information will be made available	NWB Concordance Assessment
	s	Assessment of impacts to fish and fish habitat (see item 43 of this Section).	Y						
	t	Bank stabilization measures (including the size range of material if applicable).	Y						
	u	Operation and maintenance plans including instrumentation, monitoring and inspection requirements.	Y						
	v	Contingency plans.	Y						
	w	Re-vegetation plans	Y						
	x	Proposed post construction monitoring (photos taken of the site before construction, during construction, and after construction; photos should be taken from the same reference point for easy comparison)	Y						
	y	Abandonment and restoration plans (see items 45-46 of Section 3).	Y						
	35	Final plans and drawings for construction must be stamped by a Professional Engineer licensed to practice in Nunavut. (See Section 7 of the NWB's Guide 4: Completing and Submitting a Water Licence Application for more information regarding design drawings).	Y				Supplemental Information Report: Section 4, Appendix 4		
	36	If geotextile is used or a similar material to prevent the transport of sediment into a watercourse, provide the technical specifications for the proposed material as well as the location, extent and placement method for the material.	Y				Geomembrane use: Supplemental Information Report: Section 4.2.7, 4.3.7, Appendix 4		
	37	If rip rap is used or a similar material for erosion protection, provide information regarding the minimum and maximum sizes of the material and the gradation between those limits. Indicate the quantity to be used and its source.	Y				Stockpile: Supplemental Information Report: Section 4.2.2, 4.3.2 Waste Rock: Supplemental Information Report: Section 4.2.3, 4.3.3		
Predicted Environmental Effects and Proposed mitigation measures	38	Provide a description of the effects of water usage on the source from which water will be drawn including the potential for drawdown.	Y				Supplemental Information Report: Section 5.2, 10.4.4, 10.5.3		
	39	Provide a description of any expected changes in surface water flow or storage including changes downstream of the project.	Y				Supplemental Information Report: Section 5.2, 10.4.5.1		
	40	If the cross-section of any watercourse is changed, provide a description of the change and its effect on the flow capacity of the channel.	Y				Supplemental Information Report: Section 5.2, 10.4.5.1		
	41	If the course of any channel is changed, provide a description of measures to maintain stream bed and bank stability.	NA	not applicable to the Program					
	42	Provide a description of measures of preventing surface water from coming into contact with waste and measures of managing surface water that does come into contact with waste (surface water management plan).	Y				Supplemental Information Report: Section 8 and 10.4.3		
	43	Provide a description of measures of preventing groundwater from coming into contact with waste and measures of managing groundwater that does come into contact with waste (groundwater management plan).	Y				Supplemental Information Report: Section 7, Appendix 7, Section 8 and Appendix 8		
Fisheries	44	If applicable, provide a description of any potential impacts to fish and/or fish habitat. (Indirect effects may include project effects, water quality, or aquatic organisms. Direct effects may include degradation or alteration of fish habitat). The applicant is advised to consult with DFO regarding fish and fish habitat related issues and to visit DFO's website at http://www.dfo-mpo.gc.ca/habitat/habitat-eng.htm .					Supplemental Information Report:		
	a	Potential effects on fish or fish habitat;	Y				Section 10.5.3		
	b	The area in square metres to be impacted;	Y				Section 10.5.3		

6.0 Water Use: Quality, Quantity, Predicted Environmental Impact and Proposed Mitigation Measures

Section Title	Section No.	Information Requirement	Indicate whether Information Requirement is applicable by inserting 'Y' or 'NA'	If 'NA' provide justification	Insert <u>Title, Author and Date of Document</u> where information is provided (see Notes below)	Insert <u>electronic file name of document</u> where information is provided (See Notes below)	Insert <u>Section of document</u> where information is provided	If information is not available at the time of application, indicate when the information will be made available	NWB Concordance Assessment
	c	Measures to avoid sensitive periods and habitat areas (i.e., spawning beds, migration corridors);	Y				Section 10.5.3		
	d	Measures to avoid physical impacts on habitat;	Y				Section 10.5.2		
	e	Measures to maintain flows and fish passage;	Y				Section 10.4.4, 10.5.3		
	f	Measures to avoid sedimentation;	Y				Section 10.4.5.2		
	g	Measures to avoid spills;	Y				Section 10.4.5.1, 10.4.5.2, 10.5.1		
	h	Detailed habitat no-net-loss plan and site restoration plan;	Y				Section 10.5.3, Appendix 5		
Studies	45	Provide a list of studies, reports and plans relevant to the application that have been undertaken to date, including:	Y				Supplemental Information Report:		
	a	Options analysis;	Y				Section 4, Appendix 4, Section 10.10		
	b	Water management plan including water balance analysis;	Y				Section 8, Appendix 8		
	c	Fisheries assessment;	Y				Section 10.5.3		
	d	Construction plan and construction schedule for water works;	Y				Section 8, Appendix 8		
	e	Implementation schedule for construction of works.	Y				Section 8, Appendix 8		
	f	Construction quality assurance and quality control plans;	NA	to be completed and submitted to NWB 60 days prior to start of construction					
	g	Operation and maintenance plan;	Y				Section 8, Appendix 8		
	h	Preliminary abandonment and reclamation plans for existing and proposed facilities;	Y				Section 9, Appendix 9		
	i	Final abandonment and reclamation plans for facilities to be closed;	Y				Section 9, Appendix 9		
	j	Monitoring plans (See Section 8).	Y				Section 8, Appendix 8		

Notes: Report title: ERM Rescan. 2014. Madrid Advanced Exploration Program: Type B Water Licence Application Supplemental Information Report. Prepared for TMAC Resources Inc. by ERM Consultants Canada Ltd.: Vancouver, British Columbia.
Electronic document: D.1 - 0194097-0007 (Madrid WLA Supplemental Report).pdf

7.0 Waste Disposal: Quality, Quantity, Predicted Environmental Impact and Proposed Mitigation Measures

Section Title	Section No.	Information Requirement	Indicate whether Information Requirement is applicable by inserting ' Y ' or ' NA '	If 'NA' provide justification	Insert <u>Title, Author and Date of Document</u> where information is provided (see Notes below)	Insert <u>electronic file name of document</u> where information is provided (See Notes below)	Insert <u>Section of document</u> where information is provided	If information is not available at the time of application, indicate when the information will be made available	NWB Concordance Assessment
Waste Disposal	1	Provide a detailed description of all types of waste and all forms of waste disposal including: (see the NWB definition of Waste in the NWB <i>Guide 2: Terminology and Definitions</i>)					General Water License Application block 15 Supplemental Information Report:		
	a	Sewage	Y				Section 4.2.11.1, 4.3.11, 7.1 (Table 7.1-1)		
	b	Grey water	Y				Section 4.2.11.1, 4.3.11, 7.1 (Table 7.1-1)		
	c	Solid waste	Y				Section 4.2.11.2, 4.3.11, 7.1 (Table 7.1-1)		
	d	Sludge	Y				Section 4.2.11.1, 4.3.11, 7.1 (Table 7.1-1)		
	e	Hazardous waste including waste oil	Y				Section 4.2.11.1, 4.3.11, 7.1 (Table 7.1-1)		
	f	Contaminated soil, snow, ice and/or water	Y				Section 4.2.11.1, 4.3.11, 7.1 (Table 7.1-1)		
	g	Bulky items/ scap metal	Y				Section 7.1 (Table 7.1-1)		
	h	Mill or processing plant waste	Y				Section 4.2.7, 4.3.7, 7.1 (Table 7.1-1)		
	i	Mine water	Y				Section 4.2.7, 4.3.7, 7.1 (Table 7.1-1)		
	j	Discharge from dewatered areas	Y				Section 4.2.7, 4.3.7, 7.1 (Table 7.1-1)		
	k	Other: (describe)	NA	not applicable to the Program					
Waste Disposal: Quality and Quantity	2	For each type of waste, provide the composition, chemical characteristics and quantity generated. Also provide the location, rate, timing, frequency and duration of the deposit.	Y				Supplemental Information Report: Section 7.1 (Table 7.1-1)		
	3	For each type of waste, provide the proposed methods and processes for collecting, storing, treating and discharging the waste. Indicate the capacity of these facilities.	Y				Supplemental Information Report: Section 7.1 (Table 7.1-1)		
	4	Provide a description of any measures to minimize the production of wastes.	Y				Supplemental Information Report: Section 7.1 (Table 7.1-1)		
Identification	5	Indicate whether there are signs identifying any past or present wastewater disposal sites, solid waste disposal sites, or any other waste disposal sites presently in the project area.	NA	not applicable to the Program					
Modifications	6	Indicate whether any changes are planned for the wastewater, solid waste, or any other waste facilities. If applicable, see item 7 of this Section.	NA	not applicable to the Program					
Proposed waste facilities	7	For each proposed waste facility provide design plans. The designs shall consider the following:							
	a	Site photos, site map, or air photos of the site.	Y						
	b	Description of the existing condition of the site (see Section 5).	Y						

7.0 Waste Disposal: Quality, Quantity, Predicted Environmental Impact and Proposed Mitigation Measures

Section Title	Section No.	Information Requirement	Indicate whether Information Requirement is applicable by inserting ' Y ' or ' NA '	If 'NA' provide justification	Insert <u>Title, Author and Date of Document</u> where information is provided (see Notes below)	Insert <u>electronic file name of document</u> where information is provided (See Notes below)	Insert <u>Section of document</u> where information is provided	If information is not available at the time of application, indicate when the information will be made available	NWB Concordance Assessment
	c	A description of the types of waste entering the facility (if applicable, provide a description of the source, type, and quantity of the waste);	Y				Supplemental Information Report: Section 4, Appendix 4 and Section 7, Appendix 7, Section 8 and Appendix 8, Section 9 and Appendix 9		
	d	The concentration of waste entering the facility;	Y						
	e	The geochemical characterization of waste entering the facility, where applicable;	Y						
	f	Distance of the facility from watercourses and fish bearing waters.	Y						
	g	All sources of seepage encountered near watercourse and fish bearing waters as well as the volumes (m3/day) and direction of any seepage;	Y						
	h	Existing and proposed drainage modifications.	Y						
	i	Details of retaining structures.	Y						
	j	Level of treatment (primary, secondary or tertiary).	Y						
	k	By products of treatment which may require further treatment, characterization, handling and disposal.	NA	not applicable to the Program					
	l	Capacity and retention time of the facility;	NA	not applicable to the Program					
	m	Identification of final discharge point (last point of control).	Y						
	n	Method and type of discharge (seasonal, annual, continuous) including details of all decant, siphon mechanisms etc.	Y						
	o	Estimated rates for discharge.	Y						
	p	Restrictions on discharge.	Y						
	q	Discharge effluent criteria proposed;	Y						
	r	Receiving water quality objectives.	Y						
	s	Capacity of the receiving environment;	Y						
	t	Details regarding direction and path of wastewater flow from the area or infrastructure.	Y						
	u	Design drawings in plan and profile, drawn to scale, including all relevant dimensions.	Y						
	v	Details of design parameters including seismic design if applicable.	NA	not applicable to the Program					
	w	Start and completion dates for construction.	Y						
	x	Construction schedule and sequence taking into account any timing restrictions.	Y						
	y	Construction methods.	Y						
	z	Equipment to be used.	Y						
	aa	A description of the source, type, and composition of the material to be used in construction.	Y						
	bb	Construction monitoring plans.	Y						
	cc	Construction quality assurance and quality control measures.	Y						
	dd	Operation and maintenance plans.	Y						
	ee	Contingency plans.	Y						
	ff	Abandonment and restoration plans (see items 45-46 of Section 3).	Y						
	8	Final plans and drawings for construction must be stamped by a Professional Engineer licensed to practice in Nunavut. (See Section 7 of the NWB's <i>Guide 4: Completing and Submitting a Water Licence Application</i> for more information regarding design drawings).	Y				Supplemental Information Report: Section 4, Appendix 4		
	9	Provide an assessment of alternatives for any proposed tailings containment facility.	NA	not applicable to the Program					
	10	Provide a description of the general condition of any existing waste facilities and provide an explanation if it is unsatisfactory.	NA	not applicable to the Program					
Predicted Environmental Effects and Proposed mitigation measures	11	Provide detailed treatment plans for discharges from any tailings containment area, attenuation pond, reclaim pond, sewage disposal area, sumps or dewatered area. Water treatment plans should include estimates of treatment efficiency for each parameter of concern and a description of pH adjustment methods.	Y				Supplemental Information Report: Section 8.1 (Table 8.1-1), Appendix 8		

7.0 Waste Disposal: Quality, Quantity, Predicted Environmental Impact and Proposed Mitigation Measures

Section Title	Section No.	Information Requirement	Indicate whether Information Requirement is applicable by inserting ' Y ' or ' NA '	If 'NA' provide justification	Insert <u>Title, Author and Date of Document</u> where information is provided (see Notes below)	Insert <u>electronic file name of document</u> where information is provided (See Notes below)	Insert <u>Section of document</u> where information is provided	If information is not available at the time of application, indicate when the information will be made available	NWB Concordance Assessment
	12	Clearly outline proposed discharge criteria, how the criteria were developed, standards to be applied, and how these criteria will be used to prevent ecological effects in the receiving environment.	Y				Supplemental Information Report: Section 8.1 (Table 8.1-1), Appendix 8		
	13	If waste is expected to infiltrate into the ground, provide a description of the sub-surface soil compositions and provide information on groundwater elevations for the project area. Also provide the proximity between the proposed waste disposal system and the groundwater elevation.	NA	not applicable to the Program					
	14	Provide detailed contingency plans for the treatment of turbid water during dewatering activities and/or increased suspended solids during any rewatering activities.	Y				Supplemental Information Report: Section 8.1 (Table 8.1-1), Appendix 8		
Operations and Maintenance	15	Provide operation and maintenance plans for any tailings containment areas.	Y				Supplemental Information Report: Section 8.1 (Table 8.1-1), Appendix 8		
	16	If the project includes sewage and/or solid waste disposal, provide an Operations and Maintenance Manual in accordance with the "Guidelines for the Preparation of an Operations and Maintenance Manual for Sewage and Solid Waste Disposal Facilities in the Northwest Territories, 1996".	NA	not applicable to the Program					
Hazardous Materials	17	Provide a description of the type and quantities of drill additives, mill reagents, petroleum products, chemicals and/or hazardous materials on site. (MSDS sheets are not required to be submitted as part of the water licence application).	Y				Supplemental Information Report: Section 4.2.10 and 4.2.11; 4.3.10 and 4.3.11; 7.2		
	18	Provide details regarding the handling and storage of hazardous or potentially hazardous materials.	Y				Supplemental Information Report: Section 4.2.10 and 4.2.11; 4.3.10 and 4.3.11; Section 7 (Table 7.2-1)		
Emergency Response and Spill Contingency	19	Provide designs for the fuel tank farm facilities including a description of the nearest water bodies. Provide an evaluation of impacts and mitigation measures in case of a fuel spill.	Y				Supplemental Information Report: Section 8.1, 10.4.5.1, 10.4.5.2		
	20	Provide an Emergency Response and Spill Contingency Plan (ERSCP) that includes mechanisms and processes for addressing potential or actual failure of structures, response equipment and material storage, and programs for providing appropriate training to workers. The plan shall address all licensed facilities.	Y				Supplemental Information Report: Section 8.1 (Table 8.1-1)		
	21	Plan(s) shall address phases of the project including construction, operation, and care & maintenance.	Y				Supplemental Information Report: Section 8.1 (Table 8.1-1)		
	22	Provide an explanation of how the applicant will ensure project contractors meet the applicant's due diligence standards with respect to oil and hazardous material spill prevention, preparedness, response, and restoration.	NA	Established contracting procedures incorporate due diligence to best management practices and regulatory requirements. Site orientation of all employees and constructors will be implemented					

7.0 Waste Disposal: Quality, Quantity, Predicted Environmental Impact and Proposed Mitigation Measures

Section Title	Section No.	Information Requirement	Indicate whether Information Requirement is applicable by inserting ' Y ' or ' NA '	If 'NA' provide justification	Insert <u>Title, Author and Date of Document</u> where information is provided (see Notes below)	Insert <u>electronic file name of document</u> where information is provided (See Notes below)	Insert <u>Section of document</u> where information is provided	If information is not available at the time of application, indicate when the information will be made available	NWB Concordance Assessment
Studies	23	Provide a list of studies, reports and plans relevant to the application that have been undertaken to date including design and management decisions. Studies, reports and plans may include:					Supplemental Information Report:		
	a	Options analysis;	Y				Section 4, Appendix 4		
	b	Wastewater treatment assessment;	Y				Section 4 and 6		
	c	Geotechnical and geothermal assessment;	Y				Section 4		
	d	Snow drift assessment;	Y				Section 5		
	e	Weather data for purposes of design;	Y				Section 5		
	f	Wastewater management;	Y				Section 7 and 8.1 (Table 8.1-1)		
	g	Solid waste management;	Y				Section 8.1 (Table 8.1-1)		
	h	Contaminated soil and/or water management	Y				Section 8.1 (Table 8.1-1)		
	i	Quarry Management;	Y				Section 8.4 (Table 8.1-1)		
	j	Hazardous waste management;	Y				Section 8.1 (Table 8.1-1)		
	k	Operation and maintenance plan;	Y				Section 8.1 (Table 8.1-1)		
	l	Spill contingency and emergency response plans;	Y				Section 8.1 (Table 8.1-1)		
	m	Construction plan and construction schedule for waste management infrastructure;	Y				Section 4 and Section 8		
	n	Implementation schedule for construction of works;	Y				Section 4 and Section 8		
	o	Preliminary abandonment and reclamation plans for existing and proposed facilities;	Y				Section 9		
	p	Final abandonment and reclamation plans for facilities to be closed;	Y				Section 9		
	q	Monitoring plans (see Section 8);	Y				Section 8		

Notes: Report title: ERM Rescan. 2014. Madrid Advanced Exploration Program: Type B Water Licence Application Supplemental Information Report. Prepared for TMAC Resources Inc. by ERM Consultants Canada Ltd.: Vancouver, British Columbia.
 Electronic document: D.1 - 0194097-0007 (Madrid WLA Supplemental Report).pdf

8.0 Monitoring

Section Title	Section No.	Information Requirement	Indicate whether Information Requirement is applicable by inserting 'Y' or 'NA'	If 'NA' provide justification	Insert Title, Author and Date of Document where information is provided (see Notes below)	Insert electronic file name of document where information is provided (See Notes below)	Insert Section of document where information is provided	If information is not available at the time of application, indicate when the information will be made available	NWB Concordance Assessment
Monitoring	1	Provide a Monitoring Plan including a description of the methods, procedures, standards, and schedules proposed. Monitoring may be required for water use; effluent; surface and/or groundwater water quality, quantity, or flow; ground temperature; ground settlement; etc.	Y				Supplemental Information Report: Section 8.1 to 8.5 (Table 8.1-1)		
	2	Indicate who is responsible for sampling including that person's position, contact information and level of training.	Y				Supplemental Information Report: Section 8.1 to 8.5, Appendix 8		
	3	Indicate the name and contact information of the certified laboratory performing the analysis of samples.	Y				Supplemental Information Report: Section 8.1 to 8.5, Appendix 8		
	4	Provide an Inspection Plan including a description of the methods, procedures, standards, and schedules proposed. Inspections may be required for engineered facilities related to the management of water and waste as well as spills.	Y				Supplemental Information Report: Section 8.1 to 8.5, Appendix 8		
	5	Provide a Quality Assurance/ Quality Control (QA/QC) Plan that addresses both field sampling and laboratory analyses.	Y				Supplemental Information Report: Section 8.1 to 8.5 (Table 8.1-1), Appendix 8		
	6	Provide a summary table that details the monitoring plan. The table should include stations numbers, location, parameter(s) and frequency. Provide a map detailing the location of monitoring sites.	Y				Supplemental Information Report: Section 8.1 (Table 8.1-2)		

Notes: Report title: ERM Rescan. 2014. Madrid Advanced Exploration Program: Type B Water Licence Application Supplemental Information Report. Prepared for TMAC Resources Inc. by ERM Consultants Canada Ltd.: Vancouver, British Columbia.
Electronic document: D.1 - 0194097-0007 (Madrid WLA Supplemental Report).pdf