Appendix V12-1A

Type A Water Licence Correspondence and Application for Marine Laydown Area and Winter Roads

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Sabina
GOLD & SILVER CORP.

Phyllis Beaulieu, Manager of Licensing
Nunavut Water Board
PO Box 119
Gjoa Haven, NU X0B 1J0

January 10, 2014

Re: Revised Type A Water Licence Application for Sabina Gold & Silver Corp. Back River Project (file 2AM-BRP- - - -) for Marine Laydown Area and Winter Roads

Dear Phyllis,

Please find enclosed Sabina Gold & Silver Corp.'s revised draft Type A application, submitted with the Draft Environmental Impact Statement, for the Back River Project. This is an update to the application submitted in June 2012 with the Back River Project – Project Description currently under assessment with NIRB (file 12MN036).

The NIRB review process is considering all components and activities of the Back River Project under file NIRB No. 12MN036; however, for permitting, Sabina is applying for two Type A water licenses:

- ***Back River Project - Mine Sites Type A Water Licence Application*** which includes mine site development and operation at the Goose and George Properties, and,
- ***Back River Project - Access Type A Water Licence Application*** which includes the Marine Laydown Area and the winter road corridors.

Sabina has taken this approach to separate the access authorizations as this is an opportunity for infrastructure development in the Kitikmeot Region and by having separate authorizations for land and water access it will facilitate private and/or public operation of the infrastructure in both the near and long term. Separate permitting for the infrastructure also provides for the consideration of exception to review and exemption for these components that are temporary and affected by the seasonal access to the area.

Under this ***Back River Project - Access*** Type A water licence, Sabina is requesting water use and waste disposal associated with site preparation (preconstruction), construction, operation and closure of a winter road network and Marine Laydown Area to support sealift delivery of equipment, fuel and supplies. The attached includes provides:

- Revised NWB Application Form
- NWB SIG conformity table (NIRB guidelines Appendix C)

Sabina recognizes that this application will be reviewed in accordance with the Detailed Coordinated Process Framework that has been developed by the NIRB and NWB (April 2012), the Mining and Milling Supplemental Information Guideline for Mineral development, and NWB's Guide 4 Completing and Submitting a Water Licence

application for a new licence (NWB, 2010). In order to facilitate this coordinated process, the draft EIS contains draft water licence applications, and the final EIS will contain the final water licence application. Sabina looks forward to receiving comments from the NWB on concordance of the draft water license application to assist with finalizing the application for the FEIS.

If you have any questions regarding this application please call me at (604) 998-4175.

Yours truly,

Matthew Pickard B.Sc., MBA, P.Geo, CRSP, EP
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NUNAVUT WATER BOARD

NUNAVUT IMALIRIYIN KATIMAYIT

OFFICE DES EAUX DU NUNAVUT

GENERAL WATER LICENCE APPLICATION

(APPLICATION FOR NEW WATER LICENCE)

The applicant is referred to the NWB's Guide 4: *Guide to Completing and Submitting a Water Licence Application for a New Licence* for more information about this application form.

LICENCE NO: (for NWB use only)	
1. APPLICANT (PROPOSED LICENSEE) CONTACT INFORMATION (name, address) Sabina Gold & Silver Corp. # 202 - 930 West First Street North Vancouver, BC V7P 3N4 Contact: Matthew Pickard Phone: ____(604) 998 4175 _____ Fax: ____(604) 998.1051_____ e-mail: ____mpickard@sabinagoldsilver.com__	**2. APPLICANT REPRESENTATIVE CONTACT INFORMATION** if different from Block 1 (name, address) Same as Block 1 Phone: _____ Fax: _____ e-mail: _____ (Attach authorization letter.)

3. NAME OF PROJECT (including the name of the project location)

THE BACK RIVER PROJECT – ACCESS

Project details are presented in:

Rescan. 2013. *The Back River Project Draft Environmental Impact Statement (DEIS)*. Prepared by Sabina Gold & Silver Corp.

4. LOCATION OF UNDERTAKING

The Back River Project is located in the Kitikmeot region of Nunavut, and includes the Goose Property, the George Property, a Marine Laydown Area in southern Bathurst Inlet, and connecting winter roads. The closest communities to the Project are Kingaok, located approximately 160km to the north of the Goose Property, and Omingmaktok, located approximately 250km to the northeast of the Goose Property. The communities of Kugluktuk and Cambridge Bay are the closest major regional settlements. Kugluktuk and Cambridge Bay are likely sources of workers and contractors. Communities of the Eastern Kitikmeot region are also likely sources of workers and contractors. These communities include Gjoa Haven, Kugaruuk and Taloyoak. Yellowknife, NWT, may act as a a transportation hub and a source for workers, goods and services

Project Extents

Min Lat (degree/minute)	65°00'00"N	Min (degree/minute)	Long	106°00'00"W
Max Lat (degree/minute)	66°00'00"N	Max (degree/minute)	Long	107°00'00"W

The main base of current exploration activities is Goose Camp and George camp and for Project site preparation through construction, operations and closure, a camp and laydown/storage will be located on Bathurst Inlet at the Marine Laydown Area at:

Latitude: 66°38' 44.63" N, Longitude: 107°40'32.77" W

Temporary/emergency camps may be needed for safety and to support resupply activities. The locations are unknown at this time, however, it is anticipated that they would be located approximately every 50 to 60 km along the winter roads.

The winter road network will connect the Marine Laydown Area with Goose Property with a connecting road to George. The George Connecting Road Junction is roughly located at: Latitude: 65°51'42.48" N, Longitude: 107°14'8.88" W

The Marine Laydown Area and connecting winter road network are the subject of this Water Licence Application.

5. **MAP** - Attach a topographical map, indicating the main components of the undertaking.

NTS Map Sheet No.: **76J, 76G** Map Name: **Tinney Hills, Beechy Lake** Map Scale: **1/250,000**

DEIS Volume 2 – Figure 1-4 and Figure 1-7 shows the general layout of the Marine Laydown Areas and the winter road network, respectively.

6. **NATURE OF INTEREST IN THE LAND** - 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: _____ Date of expiry: _____

☐ Mineral Lease from Indian and Northern Affairs Canada (INAC)

Date of issuance: _____ Date of expiry: _____

Surface

X Crown Land Use Authorization from Indian and Northern Affairs Canada (INAC)

Date (expected date) of issuance: June 2015 Date of expiry: June 2039

X Inuit Owned Land (IOL) Authorization from Kitikmeot Inuit Association (KIA)

Date (expected date) of issuance: June 2015 Date of expiry: June 2039

☐ 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: _____

Name of entity(s) holding authorizations: **Sabina Gold & Silver Corp.**

DEIS Volume 1 - Appendix V1-3 lists all of the Sub-surface and Surface tenures currently held by Sabina and the current list of permits, licenses and authorizations

7. NUNAVUT PLANNING COMMISSION (NPC) DETERMINATION

Indicate the land use planning area in which the project is located.

☐ North Baffin ☐ Keewatin

☐ South Baffin ☐ Sanikiluaq

☐ Akunniq **X West Kitikmeot**

Is a land use plan conformity determination required?

☐ **Yes** X No

If Yes, indicate date issued and attach copy _____

If No, provide written confirmation from NPC confirming that a land use plan conformity review is not required.

NPC conformity review is not required (NIRB, Notice of Decision December 17, 2012, File 12MN036)

8. NUNAVUT IMPACT REVIEW BOARD (NIRB) DETERMINATION

Is an Article 12 Part 4 screening determination required?

X Yes ☐ No

If Yes, indicate date issued and attach copy _____

If No, provide written confirmation from NIRB confirming that a screening determination is not required.

NIRB, Notice of Decision December 17, 2012, File 12MN036) available upon request

9. DESCRIPTION OF UNDERTAKING – List and attach plans and drawings or project proposal.

Annual resupply for the Back River Gold Project will be completed using marine shipping during open water season through a Marine Laydown Area in southern Bathurst Inlet. Sabina will also build winter access roads to connect the Marine Laydown Area to George and Goose Properties. This network will be used for annual resupply during the life of the mine and mobilize equipment for construction and demobilize during closure. Water use for the Back River Project is covered under a separate Type A Water Licence Application (Back River Project – Mine Sites).

The "Back River Project - Access" Type A Water License Application includes the construction and operation of the Marine Laydown Area and the construction and use of the winter road network for the Back River Project. The Marine Laydown Area will be used as a staging area for equipment, material, fuel and supplies required for the operation of the Project. The Marine Laydown Area will remain operational until closure. A camp will be constructed for up to 100 persons during construction, potable water for the camp will be obtained from Bathurst Inlet via a desalination plant.

The winter road network will be used to provide supplies to the George and Goose Properties from the Marine Laydown Area and to transport ore from George Property to Goose Property. The winter road crosses both IOL and Crown land. The total length of winter road construction is approximately 180km. It is to be constructed approximately 45% over land and 55% over water, and varies in width from 10m wide over land and 30 m wide over water. Construction will take approximately 60 days to complete followed by a 75 day operational use period.

The Winter Road connecting Marine Laydown Area to Back River Goose Property is ~160 km in length. The period of use will be January to March annually to transport fuel, equipment and supplies from the Marine Laydown Area to George or Goose Property. The available trucking window is 75 days and using 80 tonnes/ truck; the number of trucks needed per year range from 3 to 50 (depending on mine operations schedule) making 1-2 trips per day.

The winter Road connecting the Goose and George Properties is approximately 75 km in length. Period of use will be January to April annually (site preparation to closure) to transport stockpiled ore from George to Goose. The available trucking window is 75 days and using 80 tonnes/truck the number of trucks needed per year up to 50 (depending on mine operations schedule) making 1-2 trips per day with up to 84 truck trips per day.

10. **OPTIONS** – Provide a brief explanation of the alternative methods or locations that were considered to carry out the project.

Site selection for the Marine Laydown Area and winter road was dictated by proximity to Bathurst Inlet, winter road routing, proximity to water, a large area to accommodate required infrastructure while minimizing footprint, and avoidance of landscape, environmental and culturally sensitive areas.

The Project Development Areas (PDA) have been identified to outline areas for each Project that may be affected by project components and activities over all phases of the Project life. The current footprint within the individual Property PDA are preferred as they are technically feasible, are relatively low cost and are amenable to reclamation.

Details provided in Back River Project – DEIS, Volume 2

11. **CLASSIFICATION OF PRIMARY UNDERTAKING -** Indicate the primary classification of undertaking by checking one of the following boxes.

☐ Industrial ☐ Agricultural

☐ Mining and Milling (includes exploration/drilling/exploration camps)

☐ Conservation

☐ Municipal (includes camps/lodges) ☐ Recreational

☐ Power ■ **Miscellaneous (describe below):**

Remote camp and winter road corridor

_____

See Schedule II of *Northwest Territories Waters Regulations* for Description of Undertakings.

Information in accordance with applicable Supplemental Information Guidelines (SIG) must be submitted with a New Water Licence Application. Indicate which SIG(s) are applicable to your application.

☐ Hydrostatic Testing

☐ Tannery

☐ Tourist / Remote Camp

☐ Landfarm & On-Site Storage of Hydrocarbon Contaminated Soil

☐ Onshore Oil and Gas Exploration Drilling

☐ Mineral Exploration / Remote Camp

☐ Advanced Exploration

X Mine Development

☐ Municipal

☐ General Water Works

☐ Power

SIG – Mine Development is attached.

12. **WATER USE -** Check the appropriate box(s) to indicate the type(s) of water use(s) being applied for.

☐ To obtain water for camp purposes

X To obtain water for industrial purposes

X To cross a watercourse

X To alter the flow of, or store water

X Other: Construction of a winter Ice road

X To divert a watercourse (surface run off)

☐ To modify the bed or bank of a watercourse

☐ Flood control

13. **QUANTITY AND QUALITY OF WATER INVOLVED -** For each type of water use indicated in Block 12, provide the source of water, the quality of the water source and available capacity, the estimated quantity to be used in cubic meters per day, method of extraction, as well as the quantities and qualities of water to be returned to source.

Name of water source(s) (show location(s) on map):

Potential Fresh Water Sources are located on DEIS Volume 12, Figure 2.1-3 and include:

Bathurst Lake

Fold Lake

George Lake

Lower Long Lake

Giraffe Lake

Goose Lake

Lake A

Lake B

Lake C

Lake D

Lake E

Lake F

Lake G

Lake H

Lake I

Lake J

Lake K

Lake L

Lake M

Lake N

Lake O

Marine Water

Bathurst Inlet

Describe the quality of the water source(s) and the available capacity:

Fresh Water: DEIS, Volume 6 presents baseline water quality of the Project

Marine Water: DEIS; Volume 7 presents baseline water quality of the Project

Provide the overall estimated quantity of water to be used:

Provide the estimated quantity(s) of water to be used from each source:

Indicate the estimated quantities to be used for each purpose (camp, drilling, etc.)

The expected water use for the construction and maintenance of the winter roads is estimated to be up to 121,500 m^3 every year to construct and maintain. The volume used will depend on environmental conditions and operational needs. Water will be drawn from various sources along the alignment of the winter road. Sabina will adhere to the DFO Operational Statements on Mineral Exploration, Culvert Maintenance, Ice Bridges and Snow Fills as well as DFO Under-Ice Water Withdrawal Protocol for the withdrawal of water.

A desalination plant will provide water to the Marine Laydown Area at a rate of 50 m^3/day to include 30 m^3/day for domestic use and 20 m^3/day industrial use.

Describe the method of extraction(s):

Water intake will be designed in accordance with DFO guidelines for water intakes.

Estimated quantity(s) of water returned to source(s) __

Freshwater used for winter road construction will melt and return to watersources as surface water runoff

Describe the quality of water(s) returned to source(s): _

There should be minimal effects to the quality of water returned to the source.

14. **WASTE** – Check the appropriate box(s) to indicate the types of waste(s) generated and deposited.

X Sewage	**X Waste oil**
X Solid Waste	**X Greywater**
X Hazardous	☐ Sludges
X Bulky Items/Scrap Metal	**X Contaminated soil and/or water**
☐ Animal Waste	

☐ Other describe):_____

15. **QUANTITY AND QUALITY OF WASTE INVOLVED** – For each type of waste indicated in Block 14, describe its composition, quantity in cubic meters/day, method of treatment and method of disposal. refer to Waste management Plans in DEIS Volume 10).

Type of Waste	Composition	Quantity Generated	Treatment Method	Disposal Method
Marine Laydown Area				
Sewage and waste water	Refer to Chapter V10-10	18,250 m^3/yr	Sewage treatment plant	Discharge to tundra
Solid waste	Refer to Chapter V10-10	1 tonne/yr/person	none	Combustible to incinerator Noncombustible either transported offsite to licensed treatment/disposal facility or to landfill area
Combustible waste	Refer to Chapter V10-10 and V10-11	2.5 kg/person/yr ash generated	Incineration	Ash to landfill
Contaminated soils/snow	Refer to Chapter V10-12	Unknown	Landfarm	Sludge to landfill
Hazardous wastes	Refer to Chapter V10-12	Unknown	none	Transported offsite to licensed treatment/disposal facility

16. **OTHER AUTHORIZATIONS** – In addition to the sub-surface and surface land use authorizations provided in Block 6, indicate any other authorizations required in relation to the proposed undertaking. For each provide the following:

See DEIS Volume 1 – appendix V1-3

Authorization: _____

Administering Agency: _____

Project Activity: _____

Date (expected date) of issuance: _____ Date of expiry: _____

17. **PREDICTED ENVIRONMENTAL IMPACTS OF UNDERTAKING AND PROPOSED MITIGATION MEASURES** - Describe direct, indirect, and cumulative impacts related to water and waste.

Please refer to the December 2013 DEIS for predicted potential environmental impacts and proposed mitigation. Detailed environmental assessment for identified valued ecosystem and socio-economic components is also provided.

18. **WATER RIGHTS OF EXISTING AND OTHER USERS OF WATER**

Provide the names, addresses and nature of use for any known persons or properties that may be adversely affected by the proposed undertaking, including those that hold licences for water use in precedent to the application, domestic users, in-stream users, authorized waste depositors, owners of property, occupiers of property, and/or holders of outfitting concessions, registered trapline holders, and holders of other rights of a similar nature.

Advise the Board if compensation has been paid and/or agreement(s) for compensation have been reached with any existing or other users.

Current water and land authorizations in the area are held by Sabina and there are no other existing or other users of water. The intent is that this Type A water license would replace the short term Type B water licenses requested as part of site preparation (preconstruction) to develop and use the Marine Laydown Area and winter road network.

19. INUIT WATER RIGHTS

Advise the Board of any substantial affect of the quality, quantity or flow of waters flowing through Inuit Owned Land (IOL), and advise the Board if negotiations have commenced or an agreement to pay compensation for any loss or damage has been reached with one or more Designated Inuit Organization (DIO).

Water compensation will be part of ongoing negotiations with the Kitikmeot Inuit Association.

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.

See DEIS Volume 3

21. SECURITY INFORMATION

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.

The conceptual Closure and Reclamation Plan is provided in DEIS Volume 10 Chapter 29.

22. FINANCIAL INFORMATION

Provide a statement of financial responsibility.

If the applicant is a business entity, provide a list of the officers of the company.

If the applicant is a business entity attach a copy of the Certificate of Incorporation or evidence of registration of the company name.

The current details are provided in DEIS Volume 11 - Appendix V11-3

23. STUDIES UNDERTAKEN TO DATE - List and attach copies of studies, reports, research, etc.

Comprehensive baseline studies have been initiated at the Project. Results from this on-going work will be presented in baseline reports and used in on-going feasibility studies.

24. PROPOSED TIME SCHEDULE – Indicate the proposed start and completion dates for each applicable phase of development (construction, operation, closure, and post closure).

Site Preparation and Construction

Site preparation

Proposed Start Date: June 2014 Proposed Completion Date: June 2016

Construction

Proposed Start Date: July 2016 Proposed Completion Date: December 2017

Operation

Proposed Start Date: January 2018 Proposed Completion Date: December 2030

Closure

Proposed Start Date: January 2031 Proposed Completion Date: December 2033

Post - Closure

Proposed Start Date: January 2034 Proposed Completion Date: December 2041

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

Post - Closure

☐ Winter ☐ Spring ☐ Summer ☐ Fall ■ All season

25. PROPOSED TERM OF LICENCE

Number of years (maximum of 25 years): 15 years

Requested Date of Issuance: 06/2016 (month/year) Requested Expiry Date: 06/2031 (month/year)

(The requested date of issuance must be at least three (3) months from the date of application for a type B water licence and at least 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 *Guide 5: Processing Water Licence Applications* for more information)

26. ANNUAL REPORTING – If not using the NWB's *Standardized Form for Annual Reporting*, provide details regarding the content of annual reports and a proposed outline or template of the annual report.

Annual reporting will be developed with stakeholders and regulators to include valued ecosystem and socio-economic components. The template will be included with the FEIS.

27. CHECKLIST – The following must be included with the application for the water licensing process to begin.

Written confirmation from the NPC confirming that NPC's requirements regarding land use plan conformity have been addressed.

X Yes ☐ No If no, date expected _____

Written confirmation from the NIRB confirming that NIRB's requirements regarding development impact assessment have been addressed.

☐ **Yes** X No If no, date expected Q3 2015 (Project Certificate issued)

Completed General Water Licence Application form.

X Yes ☐ No If no, date expected _____

Information addressing Supplemental Information Guideline (SIG) , where applicable (see Block 11)

X Yes ☐ No If no, date expected _____

English Summary of Application.

X Yes (see DEIS Volume 1) ☐ No If no, date expected _____

Inuktitut and/or Inuinnaqtun Summary of Application.

X Yes (see DEIS Volume 1) ☐ **No** If no, date expected

Application Fee of $30.00 CDN (Payee Receiver General for Canada).

X 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 **X No** If no, date expected with FEIS

28. SIGNATURE

Matthew Pickard	Vice President, Environment & Sustainability		January 10, 2014
Name (Print)	**Title (Print)**	**Signature**	**Date**

2.0 Water Licence Application Package

Provide a complete list of all documents that comprise the water licence application package using the checklist provided below. If a specific document is submitted as part of your water licence application, but is not listed below, provide a brief description in the cells provided.

No.	Check	List of Documents that Comprise the Water Licence Application Package
1	X	**General Water Licence Application Form** (see the NWB's **Guide 4: Completing and Submitting a Water Licence Application for a New Licence**) or **Application for Water Licence Amendment Form** , if appropriate (see NWB's **Guide 7: Licensee Requirements Following the Issuance of a Water Licence**).[b]
2	X	Completed Supplemental Information Guideline (SIG or Guideline).[a, b]
3	X	Executive summary in english.[b, h]
4	X	Translated executive summary in appropriate language and dialect.[b]
5	X	Application fee.[b]
6	X	Water use fee.[b]
7	☐	Project Description.
8	☐	Abandonment and Restoration Plan in accordance with Section 3, Item 21.
9	☐	Operations and Maintenance Manual in accordance with Section 7, Item 2 (a).
10	☐	Emergency Response and Spill Contingency Plan in accordance with Section 7, Item 2 (c).
		Section 2 of the SIG concordance table includes listing all studies completed for the water license application. Studies have been completed to determine environmental baseline conditions, develop project activities and components, identify water use and the predicted environmental effects and proposed mitigation measures. Predictions of environmental effects are the purpose of the DEIS and the NIRB Review Process with the detailed environmental assessment of each component of the Project is presented in Volumes 3 to Volume 9 of the DEIS. Volume 10 provides details on proposed management and mitigation measures and where possible conceptual drawings and reports are included in this volume. Within the individual SIG tabs, the DEIS volume that includes a reference list incorporating studies completed to date has been identified

Notes:

a The SIG applies to applicants seeking a new water licence or an amendment to an existing water licence. The SIG does not apply to applicants seeking a strict water licence renewal.

b Application packages that do not include items 1 to 6 listed above will be returned to the applicant as incomplete with a request for the deficient information.

c 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.

d Information between all documents that make up the application package must be consistent and must be accurately cross referenced.

e The application package must distinguish between recommendations or options and actual commitments to chosen alternatives.

f Electronic documents must be less than 3MB and named according to the document title. For additional guidance regarding the submission of electronic documentation, see the NWB's **Guide 6: Electronic Documentation: Submissions and Registry** .

g 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 approach is taken, 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.

h 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).

3.0 Water Licence Application Form Information Requirements

No.	Section	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	Insert electronic file name of document where information is provided	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	NIRB Guideline Section No.
1	**Applicant**	Provide the full name of the applicant and contact person including contact information (position, phone number, address, fax number and email address).	To be provided in the **General Water Licence Application Form** or the **Application for Water Licence Amendment Form**, whichever is applicable.						
2	**Applicant Representative**	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).	To be provided in the **General Water Licence Application Form** or the **Application for Water Licence Amendment Form**, whichever is applicable.						
		Provide a signed letter authorizing a party to be the applicant's representative in the licensing process.	To be provided in the **General Water Licence Application Form** or the **Application for Water Licence Amendment Form**, whichever is applicable.						
3	**Name of Project**	Provide the name of the project including the name of the project location.	To be provided in the **General Water Licence Application Form** or the **Application for Water Licence Amendment Form**, whichever is applicable.						
4	**Location of Undertaking**	Provide coordinates of the project extents.	To be provided in the **General Water Licence Application Form** or the **Application for Water Licence Amendment Form**, whichever is applicable.						
		Provide location by Latitude and Longitude (degrees, minutes and seconds).	To be provided in the **General Water Licence Application Form** or the **Application for Water Licence Amendment Form**, whichever is applicable.						
		Provide location by UTM coordinates, if available.	Y	**DEIS, December 2013**		**Vol 2 - 1.2 Vol 12 - 2.0**			
		Provide the distances to the nearest communities.	Y	**DEIS, December 2013**		**Vol 2 - 1.2**			
		Indicate whether the drainage basin, in which the project is located, is shared with any other jurisdiction. If applicable, indicate which jurisdiction.	**Y**	**DEIS, December 2013**		**Vol 2 - 1.2; other jurisdiction is not applcable**			
5	**Map**	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**	**DEIS, December 2013**		**Vol 12 - 2.0**			
6	**Nature of Interest in the Land**	Provide the nature of the interest in the land associated with the proposed undertaking, including:	To be provided in the **General Water Licence Application Form** or the **Application for Water Licence Amendment Form**, whichever is applicable.						
		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;							
		The date or expected date of issuance of any authorization and the date of expiry.							
		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.							
7	**NPC Determination**	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.	**Y**	**DEIS, December 2013**		**Water license application form Block 7**			

3.0 Water Licence Application Form Information Requirements

No.	Section	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	Insert electronic file name of document where information is provided	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	NIRB Guideline Section No.
8	**NIRB Determination**	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: Written confirmation from NIRB that the project proposal does not require screening; NIRB's screening determination; If a review is required, NIRB's recommendation to the Minister regarding the type of review; If a review is required, the Minister's written decision regarding the review of the development proposal; If a review is required, NIRB's project certificate. List of activities requested for exception in accordance with NLCA s. 12.10.2. 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**				WITH FEIS		
9	**Description of Undertaking**	See Section 4 of this SIG for specific requirements.	Y	**DEIS, December 2013**		Vol 2 - 6.4 Vol 12 - 4.0			
10	**Options (Alternatives)**	Provide a brief explanation of the alternative methods or locations that were considered to carry out the project.	Y	**DEIS, December 2013**		Vol 2 - 6.4 Vol 12 - 4.0			
11	**Other Applicable Supplemental Information Guidelines**	Indicate whether any other Supplemental Information Guidelines apply to the undertaking including the following: Hydrostatic testing; Tannery; Tourist / remote camp; Landfarm and on-site storage of hydrocarbon contaminated soil; Onshore oil and gas exploration drilling; Mineral exploration/ remote camp; Advanced exploration; Mine development; Municipal; General Water Works; Power.	To be provided in the **General Water Licence Application Form** or the **Application for Water Licence Amendment Form**, whichever is applicable.						
12	**Water Use**	See Section 6 of this SIG for specific requirements.	Y	DEIS, December 2013		Vol 2 - 6.4.11, 6.4.12 Vol 12 - 4.1.11, 4.2.6			
13	**Water Use: Quality and Quantity**	See Section 6 of this SIG for specific requirements.	Y	DEIS, December 2013		Vol 2 - 6.4.11, 6.4.12 Vol 12 - 4.1.11, 4.2.6			
14	**Waste Disposal**	See Section 7 of this SIG for specific requirements.	Y	DEIS, December 2013		Vol 2 - 6.4.13, 6.4.14 Vol 12 - 4.1.13			
15	**Waste Disposal: Quality and Quantity**	See Section 7 of this SIG for specific requirements.	Y	DEIS, December 2013		Vol 2 - 6.4.13, 6.4.14 Vol 12 - 4.1.13			

3.0 Water Licence Application Form Information Requirements

No.	Section	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	Insert electronic file name of document where information is provided	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	NIRB Guideline Section No.
16	Other Authorizations	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.	To be provided in the **General Water Licence Application Form** or the **Application for Water Licence Amendment Form**, whichever is applicable.						
		Provide a timetable for filing the appropriate plans and procedures required by other authorities.	Y				WITH FEIS		
		Provide a description of how those authorizations may affect the NWB's water licensing process.	Y				WITH FEIS		
		Provide formal applications to the Navigable Waters Protection Program (NWPP) for any works if applicable.	Y	DEIS, December 2013		Vol 12 - appendix V12-1E			
		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	DEIS, December 2013		Vol 12 - 3.3			
17	Predicted Environmental Effect and Proposed Mitigation Measures	Identify the potential effect of water use and waste disposal on the following components:	Y	DEIS, December 2013		Vol 4 - all (atmosphere) Volume 5 - all (terrestrial environment) Vol 6 - all (freshwater environment) Vol 8 - all (Social environment)			
		Groundwater and Surface Water including:							
		Changes in flow (including seasonal rate of flow);							
		Quantity;							
		Quality;							
		Land including:							
		Geologic structure change;							
		Soil contamination;							
		Compaction, settling and erosion;							
		Alteration of the permafrost regime;							
		Riparian zone loss;							
		Vegetation including:							
		Species composition and abundance;							
		Non-native species introduction;							
		Accumulation of toxins and heavy metals (in relation to remediation objectives for closure);							
		Aquatic Ecosystems including:							
		Fish;							
		Benthic invertebrates;							
		Plankton.							
		See Sections 5, 6 and 7 of this SIG for specific information requirements.							

3.0 Water Licence Application Form Information Requirements

No.	Section	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	Insert electronic file name of document where information is provided	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	NIRB Guideline Section No.
18	Existing and Other User Water Rights	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 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.	Y	DEIS, December 2013		Vol 3 - 4.0			
		Provide a description of any potential effects of the project on the persons or properties identified above.							
		Provide a description of the measures incorporated into the project design to mitigate effects of the project on the persons or properties identified above.							
		Indicate whether compensation has been paid and/or agreement(s) for compensation have been reached with any existing or other users.							
19	Inuit Water Rights	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	DEIS, December 2013		baseline water quantity and quality information, potential effects and mitigation measures presented in Vol 6; Compensation agreements, or status, will included in FEIS	WITH FEIS		
		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.							
		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.							
20	Consultation	Provide a summary of any consultation meetings including when the meetings were held, where and with whom.	Y	DEIS, December 2013		Vol 3 - 2.0, 3.0			
		Provide a summary of the results of consultation meetings including a list of concerns expressed and measures proposed to address concerns.							

3.0 Water Licence Application Form Information Requirements

No.	Section	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	Insert electronic file name of document where information is provided	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	NIRB Guideline Section No.
21	**Security**	Provide a financial security assessment that is prepared in a manner consistent with principals respecting mine site reclamation and implementation found in the **Mine Site Reclamation Policy for Nunavut**, Indian and Northern Affairs Canada, 2002. The financial security assessment must include:							
		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				FEIS		
		The cost of having the necessary reclamation work done by a third-party contractor if the operator defaults;							
		Contingency factors appropriate to the particular work to be undertaken.							
	Abandonment and Restoration	Provide a separate stand alone Abandonment and Restoration Plan for site facilities. The electronic version of the plan must be less than 3MB and named accordingly. Please see the NWB's **Guide 6: Electronic Documentation - Submissions and Registry** for more information.	Y	DEIS, December 2013		Vol 10 - 29			
		Provide a list and description of any existing abandoned or restored site facilities.							
22	**Financial Information**	Provide a statement of financial responsibility.							
		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	DEIS, December 2013		Vol 11 - Appendix V11-3			
		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.							
23	**Studies and Designs**	Provide a list of studies, reports and plans relevant to the application that have been undertaken to date. Attach copies if applicable.	To be provided in Section 2 of this SIG.						
24	**Proposed Time Schedule**	Provide the proposed start and completion dates for each phase of development (construction, operation, closure) and any anticipated periods of seasonal shut down.	To be provided in the **General Water Licence Application Form** or the **Application for Water Licence Amendment Form**, whichever is applicable.						
25	**Proposed Term of Licence**	Provide a proposed term of licence including the expected date of licence issuance and the expected date of licence expiry.	To be provided in the **General Water Licence Application Form** or the **Application for Water Licence Amendment Form**, whichever is applicable.						
26	**Annual Reporting**	If not using the NWB's **Standardized Form for Annual Reporting**, 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:							
		Water related monitoring results;	Y				WITH FEIS		
		A description of how the conditions in any NIRB screening decision related to the NWB mandate have been implemented;							
		Any actions taken in response to direction provided by the Inspector.							

3.0 Water Licence Application Form Information Requirements

No.	Section	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	Insert electronic file name of document where information is provided	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	NIRB Guideline Section No.
27	**Renewals and Amendments**	If the application is for a renewal and/or amendment of an existing licence provide the water licence number and the date of water licence expiry.	To be provided in the **General Water Licence Application Form** or the **Application for Water Licence Amendment Form**, whichever is applicable.						
		If the application is for a renewal and/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 occured including a description, location shown on a map, and the action taken to address the affected area.	N/A						

4.0 Project Description Information Requirments

No.	Section	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	Insert electronic file name of document where information is provided	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	NIRB Guideline Section No.
1	**Description of Undertaking**	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:							
		Raw water intake;							
		Water storage and treatment facilities including distribution systems;							
		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;							
		Location of receiving water bodies and drainage pathways;							
		Transportation access routes and details of water course crossings;							
		Locations of environmental monitoring sites;							
		Traditional water use and land use areas that may be impacted by the project;	**Y**	**DEIS, December 2013**		**Vol 2 - 6.0 Vol 12 - 4.1**			
		Sewage treatment facilities;							
		Wastewater treatment area and discharge outlet locations;							
		Solid waste disposal areas and drainage patterns;							
		Incinerators;							
		Landfarm (see the NWB's SIG for Landfarm and on-site storage of hydrocarbon contaminated soil (I3));							
		Waste rock piles (PAG and non-PAG);							
		Stockpiles;							
		Mill or processing plant;							
		Tailings containment areas;							
		Laydown areas;							
		Quarries;							
		Hazardous waste disposal area;							
		Waste discharge distribution lines;							
		Fuel and chemical storage;							
		Explosives manufacturing and storage;							
		Abandoned and/or restored facilities;							
		Existing on site infrastructure;							
		Others: (describe).							

4.0 Project Description Information Requirments

No.	Section	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	Insert electronic file name of document where information is provided	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	NIRB Guideline Section No.
a	*Mine Plan*	Provide a Mine Plan Overview including:	NA						
		Description of the location, physical nature, geology and minerology of the ore deposit and host rock. (See Section 5 Item 2);							
		Mine development plan and methods;							
		Exploration operations;							
		Description of earthworks for mine development;							
		Milling or processing plant operations including:							
		A copy of the mill or processing plant flow sheet. Indicate the points of addition of the various reagents (chemicals) that will be used;							
		The capacity of the mill;							
		If applicable, indicate whether the (proposed) milling circuit is in whole or in part based on autogenous grinding;							
		Predicted rate of production;							
		Expected life of the mine;							
		Camp and mine site population projections for each phase of the project.							

5.0 Baseline Information Requirements

No.	Section	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	Insert electronic file name of document where information is provided	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	NIRB Guideline Section No.
1	**Environmental Setting**	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	DEIS December 2013		Vol 2 - 1.2			
		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	DEIS December 2013		Vol 2 - 1.1			
		Provide a description of the site conditions, including:	Y	DEIS December 2013		Vol 4 - all (atmosphere) Vol 5 - all (terrestrial environment) Vol 6 - all (freshwater environment)			
		Location;							
		Topography;							
		Geologic conditions;							
		Hydrologic characteristics;							
		Climate conditions and predicted future climate trends;							
		Seismicity;							
		Permafrost conditions.							
		Provide a description of the regional and local surface water regime and drainage area and outline the drainage basin on an attached map.	Y	DEIS December 2013		Vol 6 - 1.0			
		Provide a description of the groundwater regime.	Y	DEIS December 2013		Vol 6 - 2.0			
		Provide baseline data and an evaluation of baseline data describing surface and groundwater quality in the project area (physical, chemical, and biological characteristics).	Y	DEIS December 2013		Vol 6 - 1.0, 2.0			
		Provide a description of the usual break-up and freeze-up periods.	Y	DEIS December 2013		Vol 6 - 1.0			
		Provide a description of streambed material, streambank material, and streambank vegetation for any streams affected by the application.	Y				with FEIS		
		Indicate the slope of the banks of any water course affected by the application.	Y				with FEIS		
		Provide a decription of the meander pattern for any channel affected by the application.	Y				with FEIS		
		Provide the following streamflow data in cubic metres per second for each watercourse included in the application:	Y	DEIS December 2013		Vol 6 - 1.0			
		Mean annual flow;							
		Mean summer flow;							
		Minimum summer flow;							
		Minimum annual flow;							
		Mean annual flood;							
		Maximum summer flood;							
		Mean summer flood.							

5.0 Baseline Information Requirements

No.	Section	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	Insert electronic file name of document where information is provided	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	NIRB Guideline Section No.
		Provide bathymetric information for water bodies affected by the application.	Y	DEIS December 2013		Vol 6 - 3.0			
		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	DEIS December 2013		Vol 11 - 5.0	additional information for Marine Laydown Area will be provided with FEIS		
		Interim and permanent waste rock facilities;							
		Tailings containment area;							
		Landfills;							
		Landfarms;							
		Fuel and chemical storage facilities;							
		Explosives management areas and facilities;							
		Roads;							
		Quarries and/or borrow pits;							
		Hazardous waste facilities;							
		Wastewater treatment facilities;							
		Ore stockpiles;							
		Overburden piles;							
		Dewatering dikes.							
		Provide results of any assessment of the permeability of any faults and taliks beneath water bodies.	NA						
		Provide a description of the historical uses of the waters affected by the project.	Y	DEIS December 2013		Vol 8 - 4.1.2.5			
		Provide a description of any traditional uses of water in the project area.	Y	DEIS December 2013		Vol 8 - 4.1.2.5			
		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	DEIS December 2013		Vol 8 - 4.0			
		Provide a description of the results of any consultation with Elders regarding the collection of baseline data.	Y	DEIS December 2013		Volumes 4 to 8 incorporate TK			
2	**Geology and Mineralogy**	Provide a description of the physical nature of the mineralization, including known dimensions and approximate shape.	Y	DEIS December 2013		Vol 5 - 1.0			
		Provide a description of the host rock in the general vicinity of the mineralization (from the surface to the mineralized zone).	Y	DEIS December 2013		Vol 5 - 1.0			
		Provide a geological description of the mineralized zone. (If possible, include the percentage of metals).	Y	DEIS December 2013		Vol 5 - 1.0			
		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	DEIS December 2013		Vol 11 - 4.0	additional information for Marine Laydown Area will be provided with FEIS		
		Provide an estimate of the percentage of sulphide in the mineralization including:							
		Pyrite;							
		Pyrrhotite;							
		Pyrite / Pyrrhotite mixture;							
		Arsenopyrite.							
		Provide a description of the geochemical tests which have been (or will be) performed on quarrry 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	DEIS December 2013		Vol 11 - 4.0			

5.0 Baseline Information Requirements

No.	Section	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	Insert electronic file name of document where information is provided	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	NIRB Guideline Section No.
3	**Fisheries**	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	DEIS December 2013		Vol 3 - 3.0			
		If applicable, provide baseline data and an evaluation of baseline data describing fish and fish habitat in the project area.	Y	DEIS December 2013		Vol 6 - 6.1 (Freshwater Environment) Vol 7 - 4.1 (Marine Environment)			
		If applicable, provide a fisheries assessment including:	Y	DEIS December 2013		Vol 6 - 6.5 (Freshwater Environment) Vol 7 - 4.5 (Marine Environment)			
		Detailed area description (including photographic record);							
		Description of fish habitat (including river or lake bottom substrates such as silt, sand, or cobble);							
		Presence of sensitive habitats (spawning, migration corridors etc.);							
		Description of aquatic and riparian vegetation;							
		Fish community and lifestage present;							
		Depth and width of watercourse;							
		Max/min water flows, currents, tides;							
		Turbidity and sediment loads (total suspended solids);							
		Sport, commercial, subsistence fishery present.							
4	**Studies**	Provide a list of baseline studies, reports and plans relevant to the application that have been undertaken to date taking into consideration the following:							
		Geotechnical studies;	Y	DEIS December 2013		Vol 5 - references			
		Geochemical studies;	Y	DEIS December 2013		Vol 11 - references			
		Water quality studies;	Y	DEIS December 2013		Vol 6 - references			
		Hydrological and hydrogeological studies;	Y	DEIS December 2013		Vol 6 - references			
		Traditional use studies;	Y	DEIS December 2013		Vol 3 - references			
		Aquatic studies;	Y	DEIS December 2013		Vol 6 - references			
		Meteorological studies.	Y	DEIS December 2013		Vol 6 - references			

6.0 Water Use Information Requirements

No.	Section	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	Insert electronic file name of document where information is provided	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	NIRB Guideline Section No.
1	**Water Use**	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.	Y	DEIS December 2013		Vol 2 - 6.4.1, 6.4.12 Vol 12 - 4.1.11, 4.1.14			
		Obtain water for domestic purposes;							
		Obtain water for industrial purposes;							
		Drilling;							
		Mill or processing plant;							
		Concrete production;							
		Explosives manufacture;							
		Ice road construction;							
		Other: (describe).							
		To cross a water course;							
		To alter the flow of water, or store water;							
		Flood control;							
		To divert a watercourse;							
		To modify the bed or bank of a watercourse;							
		Others: (describe).							
2 a	***Water Use: Quality and Quantity*** **Water Intake** * *Identify uses as either domestic or industrial**	Provide the name of the primary water source(s) as well as the name of any alternative water source(s).	Y	DEIS December 2013		Vol 12 - 4.1 application block 13			
		Provide a description of the source(s) of water and the location of the water source(s) as shown on a map.	Y	DEIS December 2013		Vol 12 - 4.2.6			
		Indicate the type of water source(s) as lake, river, well, or other type.	Y	DEIS December 2013		Vol 12 - 4.1.11, 4.2.6			
		Provide a description of the quality of the water from the source(s) for each season (summer, fall, winter, spring).	Y	DEIS December 2013		Vol 6 - 1.0			
		Provide the capacity of the water source(s).	Y	DEIS December 2013		Vol 6 - 1.0			
		Provide the acquisition rate in cubic metres per day and cubic metres per year from each water source.	Y	DEIS December 2013		Vol 12 - 4.1.11, 4.2.6			
		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				with FEIS		
		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.	Y	DEIS December 2013		Vol 12 - 3.5.1			
		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				with FEIS		
		Indicate the amount of water to be returned to the source.	Y				with FEIS		
		Provide a description of the methods to ensure water returned to any source is of an acceptable quality.	Y	DEIS December 2013		Vol 10 - 29			
		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.	Y				with FEIS		

6.0 Water Use Information Requirements

No.	Section	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	Insert electronic file name of document where information is provided	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	NIRB Guideline Section No.
		Indicate the quantities of water required for ice road construction and provide a description of the methods of ice road construction.	Y	DEIS December 2013		Vol 12 - 4.2.3 to 4.2.6			
		Provide a description of any measures to reduce water consumption.	Y	DEIS December 2013		Vol 10 - 29			
b	**Water Storage**	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				with FEIS		
		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.	Y				with FEIS		
		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.	Y				with FEIS		
		Provide a plan showing representative cross sections of the reservoir.	Y				with FEIS		
		Provide a description of the general condition of any existing water storage facility and provide an explanation if it is unsatisfactory.	Y	DEIS December 2013		Vol 12 - 3.5.1			
c	**Water Distribution**	Provide a description of water distribution systems (ie. piped water, trucked).	Y	DEIS December 2013		Vol 11 - 6.4			
		Provide a description of the general condition of any existing water distribution system and provide an explanation if it is unsatisfactory.	Y	DEIS December 2013		Vol 12 - 3.5.1			
d	**Watercourse Crossings**	Provide a description of any watercourse crossings including pipelines, bridges, culverts or roads and its purpose.	Y	DEIS December 2013		Vol 12 - 4.1.1, 4.2.3			
		Provide a plan of any watercourse crossing showing cross section and elevations.	Y				with FEIS		
e	**Watercourse Trainings**	Provide a description of any watercourse trainings including channel and bank alterations, culverts, spurs, erosion control, and artificial accretion, and its purpose.	NA						
f	**Flood Control**	Provide a description of any flood control structures and its purpose.	NA						
g	**Diversions**	Provide a description of any diversions including ditches and dikes and its purpose.	NA						
h	**Alterations in flow**	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.	NA						
		Indicate whether the natural storage capacity or water level of any lake or pond will be altered.	NA						
		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.	NA						

6.0 Water Use Information Requirements

No.	Section	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	Insert electronic file name of document where information is provided	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	NIRB Guideline Section No.
i	**Dewatering**	Provide a description of dewatering programs, if planned, including estimated quantities, qualities, dewatering flow rates, methods and schedule of withdrawl, end use or discharge location.	NA						
		Provide an estimate of the quality and flow of groundwater that will flow into any open pits.	NA						
j	**Identification**	Indicate whether there are any signs identifying past or present water intake, storage, distribution systems and/or waterwork structures presently in the project area.	Y	DEIS December 2013		Vol 12 - 3.5.1			
k	**Modifications**	Indicate whether any changes are planned for the water intake, storage, distribution systems and/or waterwork structures. If applicable, see Item 2 (l) of this Section.	Y				with FEIS		
l	**Proposed Water Works**	For each water work component provide the design plans stamped for construction. Design plans shall consider the following:							
		Name of the water body(s) affected;	Y				with FEIS		
		Site photos, site map, or air photos of the location;							
		Description of the existing condition of the site (see Section 5);							
		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;							
		The design flood flow in cubic metres per second and its return period for the type of structure proposed;							
		An explanation of the rationale for the selected design flow flood and its return period;							
		Design drawings in plan and profile, drawn to scale, including all relevant dimensions;							
		Detaills of design parameters including seismic design criteria if applicable;							
		In water work timing restriction for fisheries;							
		Construction schedule and sequence taking into account any timing restrictions;							
		Construction methods and equipment to be used;							
		A description of the source, type, and composition of material used in construction;							
		The quantity of material to be either placed into or removed from the watercourse;							
		Sedimentation and erosion control measures;							
		Construction monitoring plans;							
		Construction quality assurance and quality control measures;							
		Assessment of impacts to fish and fish habitat (see Item 3 (a) of this Section);							
		Bank stabilization measures (including the size range of material if applicable);							
		Operation and maintenance plans including instrumentation, monitoring and inspection requirements;							
		Contingency plans;							
		Re-vegetation plans;							

6.0 Water Use Information Requirements

No.	Section	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	Insert electronic file name of document where information is provided	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	NIRB Guideline Section No.
		Abandonment and restoration plans (see Item 21 of Section 3).							
		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).							
		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				with FEIS		
		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				with FEIS		
3	**Predicted Environmental Effects and Proposed Mitigation Measures**	Provide a description of the effects of water usage on the source from which water will be drawn including the potential for drawdown.	Y	DEIS December 2013		Vol 6 - 1.5			
		Provide a description of any expected changes in surface water flow or storage including changes downstream of the project.	Y	DEIS December 2013		Vol 6 - 1.5			
		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				with FEIS		
		If the course of any channel is changed, provide a description of measures to maintain stream bed and bank stability.	Y				with FEIS		
		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	DEIS December 2013		Vol 6 - 1.5, 1.8 Vol 10 - 29			
		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	DEIS December 2013		Vol 6 - 2.0			

6.0 Water Use Information Requirements

No.	Section	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	Insert electronic file name of document where information is provided	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	NIRB Guideline Section No.
a	**Fisheries**	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.	Y	DEIS December 2013		Vol 6 - 6.5 (Freshwater Environment) Vol 7 - 4.5 (Marine Environment)			
		Potential effects on fish or fish habitat;							
		The area in square metres to be impacted;							
		Measures to avoid sensitive periods and habitat areas (i.e., spawning beds, migration corridors);							
		Measures to avoid physical impacts on habitat;							
		Measures to maintain flows and fish passage;							
		Measures to avoid sedimentation;							
		Measures to avoid spills;							
		Detailed habitat no-net-loss plan and site restoration plan.							
4	**Studies**	Provide a list of studies, reports and plans relevant to the application that have been undertaken to date, taking into consideration the following:							
		Options analysis;				Vol 2 - references Vol 11 -references			
		Water management plan including water balance analysis;				Vol 10 - 29 references Vol 11 - references			
		Fisheries assessment;				Vol 6 - references			
		Construction plan and construction schedule for water works;					with FEIS		
		Implementation schedule for construction of works;					with FEIS		
		Construction quality assurance and quality control plans;					with FEIS		
		Operation and maintenance plan;				Vol 10 - references			
		Preliminary abandonment and reclamation plans for existing and proposed facilities;				Vol 12 - 8.0 Vol 10 - 29 references			
		Final abandonment and reclamation plans for facilities to be closed;				Vol 10 -references			
		Monitoring plans (See Section 8).				Vol 10 -references			

7.0 Waste Disposal Information Requirements

No.	Section	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	Insert electronic file name of document where information is provided	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	NIRB Guideline Section No.
1	**Waste Disposal**	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 **Guide 2: Terminology and Definitions**)	Y	DEIS December 2013		Vol 12 - 4.1.12, 4.1.13			
		Sewage;							
		Grey water;							
		Solid waste;							
		Sludge;							
		Hazardous waste including waste oil;							
		Contaminated soil, snow, ice and/or water;							
		Bulky items/ scap metal;							
		Mill or processing plant waste;							
		Mine water;							
		Dredged material;							
		Discharge from dewatered areas;							
		Other: (describe).							
2	**Waste Disposal: Quality and Quantity**	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	DEIS December 2013		application block 15			
		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	DEIS December 2013		application block 15			
		Provide a description of any measures to minimize the production of wastes.	Y	DEIS December 2013		Vol 10 - 10.0			
a	**Identification**	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.	Y	DEIS December 2013		Vol 12 - 3.1.5			
b	**Modifications**	Indicate whether any changes are planned for the wastewater, solid waste, or any other waste facilities. If applicable, see Item 2 (c) of this Section.	Y				with FEIS		
		For each proposed waste facility provide design plans. The designs shall consider the following:							
		Site photos, site map, or air photos of the site;							
		Description of the existing condition of the site (see Section 5);							
		A description of the types of waste entering the facility (if applicable, provide a description of the source, type, and quantity of the waste);							
		The concentration of waste entering the facility;							
		The geochemical characterization of waste entering the facility, where applicable (ie. tailings solids);							
		Distance of the facility from watercourses and fish bearing waters;							
		All sources of seepage encountered near watercourse and fish bearing waters as well as the volumes (m3/day) and direction of any seepage;							
		Existing and proposed drainage modifications;							
		Details of retaining structures;							
		Level of treatment (primary, secondary or tertiary);							

7.0 Waste Disposal Information Requirements

No.	Section	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	Insert electronic file name of document where information is provided	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	NIRB Guideline Section No.
c	**Proposed waste facilities**	By products of treatment which may require further treatment, characterization, handling and disposal;	Y				with FEIS		
		Capacity and retention time of the facility;							
		Identification of final discharge point (last point of control);							
		Method and type of discharge (seasonal, annual, continuous) including details of all decant, siphon mechanisms etc.;							
		Estimated rates for discharge;							
		Restrictions on discharge;							
		Discharge effluent criteria proposed;							
		Receiving water quality objectives;							
		Capacity of the receiving environment;							
		Details regarding direction and path of wastewater flow from the area or infrastructure;							
		Design drawings in plan and profile, drawn to scale, including all relevant dimensions;							
		Details of design parameters including seismic design if applicable;							
		Construction schedule and sequence taking into account any timing restrictions;							
		Construction methods and equipment to be used;							
		A description of the source, type, and composition of the material to be used in construction;							
		Construction monitoring plans;							
		Construction quality assurance and quality control measures;							
		Operation and maintenance plans;							
		Contingency plans;							
		Abandonment and restoration plans (see Item 21 of Section 3).							
		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).							
		Provide an assessment of alternatives for any proposed tailings containment facility.	NA						
		Provide a description of the general condition of any existing waste facilities and provide an explanation if it is unsatisfactory.	Y	DEIS December 2013		Vol 12 - 3.5.1			

7.0 Waste Disposal Information Requirements

No.	Section	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	Insert electronic file name of document where information is provided	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	NIRB Guideline Section No.
2	**Predicted Environmental Effects and Proposed Mitigation Measures**	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				with FEIS		
		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	DEIS December 2013		Vol 10 - 29			
		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.	Y				with FEIS		
		Provide a discussion of the consequences of long-term stratification in any pit lakes and associated contingency plans.	Y				with FEIS		
		Provide detailed contingency plans for the treatment of turbid water during dewatering activities and/or increased suspended solids during any rewatering activities.	Y	DEIS December 2013		Vol 10 - 7.0			
a	**Operations and Maintenance**	Provide operation and maintenance plans for any tailings containment areas.	NA						
		If the project includes sewage and/or solid waste disposal, provide a separate stand alone 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" as well as the "Guidelines for the Planning, Design, Operations and Maintenance of Modified Solid Waste Sites in the Northwest Territories, 2003". This Manual must address sewage disposal facilities, solid waste disposal facilities, landfarm facilities, any other waste disposal facilities, sludge management, and water supply facilities. The electronic version of the plan must be less than 3MB and named accordingly. Please see the NWB's **Guide 6: Electronic Documentation - Submissions and Registry** for more information.	Y				with FEIS		
b	**Hazardous Materials**	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	DEIS December 2013		Vol 10 - 12.0			
		Provide details regarding the handling and storage of hazardous or potentially hazardous materials.	Y	DEIS December 2013		Vol 10 - 12			

7.0 Waste Disposal Information Requirements

No.	Section	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	Insert electronic file name of document where information is provided	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	NIRB Guideline Section No.
c	**Emergency Response and Spill Contingency**	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				with FEIS		
		Provide a separate stand alone 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. The electronic version of the plan must be less than 3MB and named accordingly. Please see the **NWB's Guide 6: Electronic Documentation - Submissions and Registry** for more information.	Y	DEIS December 2013		Vol 10 - 3.0 (Emergency Response) Vol 10 - 5.0 (Spill Contingency) Vol 10 - 6.0 (OPEP)			
		The ERSCP shall address phases of the project including construction, operation, and care & maintenance.	Y	DEIS December 2013		Vol 10 - 3.0 (Emergency Response) Vol 10 - 5.0 (Spill Contingency) Vol 10 - 6.0 (OPEP)			
		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.	Y	DEIS December 2013			with FEIS		
4	**Studies**	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:							
		Options analysis;				Vol 11 - references			
		Geotechnical and geothermal assessment;				Vol 5			
		Water quality modeling;				Vol 11 - references			
		Snow drift assessments;				Vol 6			
		Permafrost protection;				Vol 2 - references Vol 5 - references Vol 11 - references			
		Mine waste and water management;				Vol 10 - references Vol 11 - references			
		Landfill management;				Vol 10 - references			
		Landfarm management;				Vol 10 - references			
		Quarry Management;				Vol 10 - references			
		Incineration management;				Vol 10 - references			
		Hazardous waste management;				Vol 10 - references			
		Operation and maintenance plan;				Vol 10 - references			
		Inspection plan (see Section 8);					with FEIS		
		Tailings monitoring (see Section 8);				Vol 10 - references			
		Mine site water quality monitoring (see Section 8);				Vol 10 - references			
		Receiving water quality monitoring (see Section 8);				Vol 10 - references			

7.0 Waste Disposal Information Requirements

No.	Section	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	Insert electronic file name of document where information is provided	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	NIRB Guideline Section No.
		Aquatic effects monitoring (see Section 8);				Vol 10 - references			
		Geotechnical and structural monitoring (see Section 8);					with FEIS		
		Quality assurance and quality control plan (see Section 8);				Vol 10 - references			
		Spill contingency and emergency response plans;				Vol 10 - references			
		Preliminary abandonment and reclamation plans for existing and proposed facilities;				Vol 10 - references			
		Final abandonment and reclamation plans for facilities to be closed;				Vol 10 - references			
		Remediation plans for waste disposal infrastructure;				Vol 10 - references			
		Human health and ecological risk assessment for establishment of remediation objectives for closure;					with FEIS		
		Construction plan and construction schedule for waste management infrastructure;					with FEIS		
		Implementation schedule for construction of works, submission of studies and mitigation plans for operations and closure.					with FEIS		

8.0 Monitoring Information Requirements

No.	Section	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	Insert electronic file name of document where information is provided	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	NIRB Guideline Section No.
1	**Monitoring Plan**	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. The Monitoring Plan must consider the life of the project, temporary closure and permanent closure.	Y	DEIS December 2013		Vol 10 - 1.0 (Environmental Management Plan) Vol10 - 2.0 (Environmental Protection Plan) Vol 10 - 7.0 (Site Water Monitoring and Management Plan) Vol 10 - 19.0 (Conceptual Aquatic Effects Management Plan)			
		Indicate who is responsible for sampling including that person's position, contact information and level of training.	Y				with FEIS		
		Indicate the name and contact information of the certified laboratory performing the analysis of samples.	Y				with FEIS		
		Provide a summary table of all monitoring commitments that details all monitoring locations. The table should include parameter(s), location, frequency, and mining phase, along with, cross-referencing to sub-documents where detailed information is provided. Where appropriate, a map detailing the location of monitoring sites is to be provided.	Y				with FEIS		
		Provide a summary table of the expected quality and quantity of waters, over time in all sumps, monitoring stations, and discharge points, along with i) if applicable, adaptive management criteria to benchmark if mitigation/contingency are to be implemented, ii) if applicable, water quality criteria, and iii) management action.	Y	DEIS December 2013			with FEIS		
		Provide a monitoring plan for incinerator emissions (including, but not limited to, stack testing and annual reporting).	Y	DEIS December 2013		Vol 10 - 11.0			
a	**Inspection Plan**	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. The Inspection Plan must consider the life of the project, temporary closure and permanent closure.	Y				with FEIS		
b	**QA/QC Plan**	Provide a Quality Assurance/ Quality Control (QA/QC) Plan that addresses both field sampling and laboratory analyses.	Y	DEIS December 2013			with FEIS		

9.0 Project Specific Information Requirements (PSIR)

PSIR's will only be issued following a positive Environment Assessment Review determination by NIRB

No.	Section	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	Insert electronic file name of document where information is provided	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	NIRB Guideline Section No.
1	Applicant								
2	Applicant Representative								
3	Name of Project								
4	Location of Undertaking								
5	Map								
6	Nature of Interest in the Land								
7	NPC Determination								
8	NIRB Determination								
9	Description of Undertaking								
10	Options (Alternatives)								
11	Other Applicable Supplemental Information Guidelines								
12	Water Use								
13	Water Use: Quality and Quantity								
14	Waste Disposal								
15	Waste Disposal: Quality and Quantity								
16	Other Authorizations								

to be determined

9.0 Project Specific Information Requirements (PSIR)

PSIR's will only be issued following a positive Environment Assessment Review determination by NIRB

No.	Section	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	Insert electronic file name of document where information is provided	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	NIRB Guideline Section No.
17	Predicted Environmental Effect and Proposed Mitigation Measures								
18	Existing and Other User Water Rights								
19	Inuit Water Rights								
20	Consultation								
21	Security								
	Abandonment and Restoration								
22	Financial Information								
23	Studies and Designs								
24	Proposed Time Schedule								
25	Proposed Term of Licence								
26	Annual Reporting								
27	Renewals and Amendments								

Appendix V12-1B

KIA Surface Access Correspondence and Applications for IOL

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an ERM company

Sabina
GOLD & SILVER CORP.

Geoff Clarke
Director, Environment and Lands
Kitikmeot Inuit Association
Kugluktuk, NU

January 10, 2014

Re: Commercial Lease Application for Kitikmeot Inuit Association the Back River Gold Project

Dear Geoff,

Sabina Gold & Silver Corp (Sabina) is a public Canadian mining company (SBB: TSX) that is focused on development of its 100%-owned Back River Gold Project located in the Kitikmeot Region of Nunavut. This letter is submitted with the concurrent submission of the Draft Environmental Impact Statement (DEIS) to the Nunavut Impact Review Board (NIRB; file no. 12MN036) in order to initiate the application processes for authorizations needed for Project Development. As Sabina continues ongoing engineering and feasibility studies, and the DEIS undergoes review through the NIRB process, we have been encouraged to engage regulators as early as possible to facilitate ongoing environmental assessment and subsequent regulatory/permitting processes after the issuance of the Project Certificate.

The Project includes mining of six deposits at the Goose Property and the George Property with access principally through the seasonal use of a Marine Laydown Area situated in the southern portion of Bathurst Inlet, and connecting winter roads. The mine plan for the Project is an estimated ten year operating mine life based on currently known resources, with a total ore feed to a single mill at the Goose Property of approximately 15.0 million tonnes although continued exploration may extend projected mine life. The attached one page summary provides a general description of the Project components and activities.

Sabina acknowledges that there are components and activities of the Back River Project within Inuit Owned Lands (IOL) and will require authorizations from the Kitikmeot Inuit Association (KIA). Sabina has actively explored the Project area since 2009 and is committed to providing meaningful benefits to Inuit through employment, training and business opportunities. As the Project has moved into advanced exploration with the initiation of feasibility studies, Sabina is committed to our on-going discussions towards advanced leases and other agreements and will continue to work with you to ensure we are advancing our applications in a timely and complete manner.

As these negotiations progress, the appropriate application packages for KIA authorizations will be prepared and submitted in the near future. Sabina will consider the implications of changing legislation and agreements and will revise any applications, in consultation with KIA personnel, to address any changes as we proceed through environmental assessment process.

Sabina
GOLD & SILVER CORP.

If you have any questions on our approach to addressing the KIA requirements please contact me any time at the coordinates provided below.

Yours truly,

Matthew Pickard B.Sc., MBA, P.Geo, CRSP, EP
Vice President, Environment & Sustainability
Sabina Gold & Silver Corp.

930 West 1st Street, Suite 202
North Vancouver, BC V7P 3N4
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Back River Project Fact Sheet

December 2013

Location

- Located in the western Kitikmeot Region of Nunavut at approximately 65° north latitude, and 106° west longitude. About 400 km south of Cambridge Bay and 525 km northeast Yellowknife.
- Primary communities: Kugluktuk, Cambridge Bay, Gjoa Haven, Kugaaruk and Taloyoak
- The closest community areas to the Project are Kingaok, located approximately 160 km north of the Goose Property, and Omingmaktok, located approximately 250 km northeast of the Goose Property

Reserves

- Six mining areas within the Goose and George Properties. Three locations at the Goose Property (Goose, Umwelt, and Llama) and three locations at the George Property (Locale 1, Locale 2, and LCP North).

Site Preparation and Construction Phase

- Site preparation may begin in 2014 (winter roads, fuel depots, laydown areas)
- Full construction of the project could commence as early as 2016 – two years to complete construction
- Approximately $605 M initial capital investment

Operational Phase

- Goose Property: open pit at Llama, Umwelt and Goose deposits; underground at Umwelt deposit
- George Property: Open pits at Locale 1, Locale 2, LCP North

Production

- Production Rate (Ore): 15.0 million tonnes of mill feed for life of mine
- Projected annual 300,000 ounces of gold for about up to 10 years

Processing

- 5,000 tonnes per day
- Standard gravity separation and cyanide leaching circuit
- Tailings facility at Goose Property

Transport

- Gold doré bars shipped out by aircraft

Access Roads

- All-weather roads within George and Goose properties
- Winter road between George and Goose properties
- Winter road to link properties to the Marine Laydown Area at Bathurst Inlet
- Short term winter road link to Tibbett-Contwoyto Winter Road

Re-supply

- Marine supply via open water seasonal shipping (max of 10 ships, average of 3 to 5 per year)
- Year-round by aircraft
- Winter road to the Marine Laydown Area
- Winter road connection to Yellowknife (short term)

Environment

- Extensive baseline studies including terrestrial environment, wildlife (particularly caribou), marine environment, freshwater environment, air quality and resource utilization
- Traditional knowledge information collected and analyzed through an Inuit owned major study - Naonaiyaotit Traditional Knowledge Project
- Will form the foundation of Environmental Impact Statement , and provide information for development of mitigation and management plans

Employment

- Fly-in/fly-out operation
- Direct construction employment up to 1200 person years over a two year period
- Direct operations employment up to 4442 person years for 10 years

Social and Economic Benefits

- Inuit Impact Benefits Agreement with the Kitikmeot Inuit Association
- Opportunities for local businesses
- Royalties and taxes to governments

Closure and Post-closure Phase

- Closure will ensure that the former operational footprint is both physically and chemically stable in the long term for protection of people and the natural environment
- Post closure environmental monitoring will continue sufficient to verify that reclamation has successfully met closure and reclamation objectives

Appendix V12-1C

AANDC Surface Access Correspondence and Applications for Crown Land

Rescan™
an ERM company

Sabina
GOLD & SILVER CORP.

January 10, 2014

Jeff Mercer

Land Manager
Aboriginal Affairs and Northern Development Canada
Land Administration

969 QIMUGJUK BUILDING
PO Box 2000
Iqaluit, Nunavut X0A 0H0

Telephone : 867-975-4283

Fax : 867-975-4286

Re: Application for Aboriginal Affairs and Northern Development Canada Authorizations for the Back River Gold Project (AANDC File N2012T0025)

Dear Jeff,

Sabina Gold & Silver Corp (Sabina) is a public Canadian mining company (SBB: TSX) that is focused on development of its 100%-owned Back River Gold Project located in the Kitikmeot Region of Nunavut. This letter is submitted with the concurrent submission of the Draft Environmental Impact Statement (DEIS) to the Nunavut Impact Review Board (NIRB; file no. 12MN036) in order to initiate the application processes for authorizations needed for Project Development. As Sabina continues ongoing engineering and feasibility studies, and the DEIS undergoes review through the NIRB process, we have been encouraged to engage regulators as early as possible to facilitate ongoing environmental assessment and subsequent regulatory/permitting processes after the issuance of the Project Certificate.

The Project includes mining of six deposits at the Goose Property and the George Property with access principally through the seasonal use of a Marine Laydown Area situated in the southern portion of Bathurst Inlet, and connecting winter roads. The mine plan for the Project is an estimated ten year operating mine life based on currently known resources, with a total ore feed to a single mill at the Goose Property of approximately 15.0 million tonnes although continued exploration may extend projected mine life. The attached one page summary provides a general description of the Project components and activities.

Sabina acknowledges that there are components and activities of the Back River Project that may require authorizations from Aboriginal Affairs and Northern Development Canada (AANDC). For this reason, an application under the Territorial Lands Act was submitted in August 2012 with the

submission of the Back River Project Description to the Nunavut Impact Review Board. A copy of the application is included with this letter for your convenience.

Sabina recognizes that with the completion of the DEIS, regulatory applications may need to be revised to reflect changing regulatory regime, or refined Project details. In consultation with AANDC personnel, the appropriate application packages for AANDC authorizations will be prepared and submitted with either the Final Environmental Impact Statement, or earlier if possible, to address any changes as we proceed through environmental assessment process.

We are pleased that AANDC representatives and inspectors were able to visit our project site late in 2013 and hope that this exposure has helped advance an understanding of our specific situation. Sabina intends to continue engaging regulators and other interveners throughout the environmental assessment process and we will continue to work with you to ensure we are advancing our application in a timely and complete manner. If you have any questions on our approach to addressing the fisheries protection requirements please contact me any time at the coordinates provided below.

Yours truly,

Matthew Pickard B.Sc., MBA, P.Geo, CRSP, EP
Vice President, Environment & Sustainability
Sabina Gold & Silver Corp.

930 West 1st Street, Suite 202
North Vancouver, BC V7P 3N4
Tel (Vancouver): 604.998.4190/888.648.4218
Fax (Vancouver): 604.998.1051
Email: mpickard@sabinagoldsilver.com

Back River Project Fact Sheet

December 2013

Location

- Located in the western Kitikmeot Region of Nunavut at approximately 65° north latitude, and 106° west longitude. About 400 km south of Cambridge Bay and 525 km northeast Yellowknife.
- Primary communities: Kugluktuk, Cambridge Bay, Gjoa Haven, Kugaaruk and Taloyoak
- The closest community areas to the Project are Kingaok, located approximately 160 km north of the Goose Property, and Omingmaktok, located approximately 250 km northeast of the Goose Property

Reserves

- Six mining areas within the Goose and George Properties. Three locations at the Goose Property (Goose, Umwelt, and Llama) and three locations at the George Property (Locale 1, Locale 2, and LCP North).

Site Preparation and Construction Phase

- Site preparation may begin in 2014 (winter roads, fuel depots, laydown areas)
- Full construction of the project could commence as early as 2016 – two years to complete construction
- Approximately $605 M initial capital investment

Operational Phase

- Goose Property: open pit at Llama, Umwelt and Goose deposits; underground at Umwelt deposit
- George Property: Open pits at Locale 1, Locale 2, LCP North

Production

- Production Rate (Ore): 15.0 million tonnes of mill feed for life of mine
- Projected annual 300,000 ounces of gold for about up to 10 years

Processing

- 5,000 tonnes per day
- Standard gravity separation and cyanide leaching circuit
- Tailings facility at Goose Property

Transport

- Gold doré bars shipped out by aircraft

Access Roads

- All-weather roads within George and Goose properties
- Winter road between George and Goose properties
- Winter road to link properties to the Marine Laydown Area at Bathurst Inlet
- Short term winter road link to Tibbett-Contwoyto Winter Road

Re-supply

- Marine supply via open water seasonal shipping (max of 10 ships, average of 3 to 5 per year)
- Year-round by aircraft
- Winter road to the Marine Laydown Area
- Winter road connection to Yellowknife (short term)

Environment

- Extensive baseline studies including terrestrial environment, wildlife (particularly caribou), marine environment, freshwater environment, air quality and resource utilization
- Traditional knowledge information collected and analyzed through an Inuit owned major study - Naonaiyaotit Traditional Knowledge Project
- Will form the foundation of Environmental Impact Statement , and provide information for development of mitigation and management plans

Employment

- Fly-in/fly-out operation
- Direct construction employment up to 1200 person years over a two year period
- Direct operations employment up to 4442 person years for 10 years

Social and Economic Benefits

- Inuit Impact Benefits Agreement with the Kitikmeot Inuit Association
- Opportunities for local businesses
- Royalties and taxes to governments

Closure and Post-closure Phase

- Closure will ensure that the former operational footprint is both physically and chemically stable in the long term for protection of people and the natural environment
- Post closure environmental monitoring will continue sufficient to verify that reclamation has successfully met closure and reclamation objectives

Indian and Northern Affairs Canada

Affaires Indiennes et du Nord Canada

APPLICATION FOR LAND USE PERMIT
DEMANDE DE PERMIS D=UTILISATION DES TERRES

Office use only - Réservé pour usage interne seulement

Application fee - Droits de demande de permis | Land use fee - Droits d=utilisation des terres | General receipt no. - NEde reçu | Date | Class - Catégorie | Permit no. - N° de permis

To be completed by all applicants - A remplir par tous les requérants < G **New application** G **Amendment**

1. Applicant=s name and mailing address (Full name, no initials) - Nom et adresse du ou des requérant (s) Nom au complet, pas d=initiales)

Fax no. - NE de téléopieur

Sabina Gold & Silver Corp.
202 – 930 West 1st Street,
North Vancouver, BC
V7B 3N4

Mathew Pickard
Director, Environment and Community Relations
Tel (Toronto): 604.484.8967/416.848.1184
Tel (Vancouver): 604.998.4190/888.648.4218
Fax (Vancouver): 604.998.1051
Cell: 416.605.7881
Email: mpickard@sabinagoldsilver.com

Telephone no. - NE de téléphone

2. Head office address - Addresse du siège social — Fax no. - NE detélépieur

same as above

Telephone no. - NE de telephone

Field supervisor - Chef de chantier | Radio telephone - Téléphone-radio | Telephone no. - NE de téléphone

3. Other personnel (Subcontractor, contractors, company staff, etc.) - Autre personnel (sous-Traitants, entrepreneurs, personnel desociété, etc.)

Total No. of personnel on site = (A)	**500 to 800**	Total No. of days on-site = (B)	**Approx. 34 weeks/year**	**Total No. of Person days (A) × (B) = Up to 190,000 /year**

4. Qualifications - Titres
refer to Section 21 - Territorial Land Use Regulations
consultez l=article 21 - du Règlement sur l=utilisation des terres territoriales
a(i) G a(ii) G a(iii) G b G c G

No(s) exploration permit mineral claims - if applicable
NE(s) des permis d=exploration minière, s=ll y a lieu

5. a) Summary of operation (Describe purpose, nature and locations of all activities - refer to Section 22 (2) (b) - Territorial Land Use Regulations). (Use last page of form if additional room is required).
Résumé des opérations (exposez le but, la nature ainsi que l=emplacement de toutes les activités - consultez l=article 22 (2)(b) - du Règiement sur l=utilisation des terres territoriales). Utilisez la dernière page du formulaire si vous avez besoin d=espace supplémentaire).

Project details are presented in:
Rescan. 2012. *The Back River Project: Project Description*. Prepared for Sabina Gold & Silver Corp. by Rescan Environmental Services Ltd.

Sabina Silver Corporation (Sabina) has prepared a Project Proposal and permit applications for the development of the Back River Project (the "Project"). The Project is made up of two Properties (Goose and George) that are about 60km away from each other. They are located in the West Kitikmeot Region of Nunavut about 100 km south of the southern portion of Bathurst Inlet. The mineral potential of the Project has been explored since the 1980's and recent work by Sabina has found eight economical deposits of gold.

The proposed Project includes the development of open pits at the Goose Property (Goose, Umwelt and Llama) and underground mines at the Goose Property (Goose, Umwelt) and the George Property (Locale 1, Locale 2, Lone Cow, GH, and Slave). Ore would be mined and trucked to a conventional processing plant at the Goose Property to produce gold. The processing of the ore to recover gold would include crushing and grinding of the ore, followed by gravity and flotation concentration, and leaching of the concentrate. Waste material from the mine operations would be placed on the land in certain areas and tailings would be deposited in a nearby impoundment

The Project life is up to 22 years – two years of initial construction, 10 to 15 years of production and up to five years closure and post-closure monitoring. The mine and mineral processing plant would operate for up to 15 years and employ up to 900 people. About half of these employees would be on site at any one time because of the fly in/fly out rotational schedule.

Access to the mine will be year round by air. Sea access will only be available during open water season. The Marine Laydown Area in southern Bathurst Inlet will be used for annual resupply during the life of the mine and mobilize equipment for construction and demobilize during closure. Sabina will also build all-weather and winter access roads to connect all the Properties.

The Project would also include a camp, mineral processing plant, storage areas, maintenance and mechanical repair warehouses, fuel tanks, tailings impoundment, waste rock piles, airstrip, and local site roads. Sabina would have a small camp, airstrip, fuel storage, and laydown area at the Marine Laydown Area at Bathurst Inlet. Most of these facilities would be removed at the end of the mine life. Roads, airstrips, the tailings impoundment, and waste rock piles cannot be removed and would be returned to the land use agreed to at that time. This is determined with regulators and stakeholders.

b) Please indicate if a camp is to be set up (Use last page to provide details).
Indiquez si un camp doit être aménagé (Utilisez la demière page pour donner des détails).

6. Summary of potential environmental and resource impacts (Describe the effects of the proposed program on land, water, flora & fauna and related socio-economic areas (Use separate pages if necessary)
Résumé des conséquences possiblies sur l=environnement et les ressources (décrire les effets du programme proposé sur les terres, l=eau, la flore etla faune et les domaines socio-économiques connexes (Utilisez des pages supplémentaires au besoin)

Please refer to the Project Proposal for predicted potential environmental impacts and proposed mitigation. Detailed environmental assessment for identified valued ecosystem and socio-economic components will be provided in the draft EIS.

7. Proposed restoration plans (please use last page if required) - Plans proposés de remise en état des terres (au besoin, utilisez la dernière page).
Description available in the Project Proposal. The exact approach and closure needs are not yet known and are being identified and evaluated as part of on-going feasibility studies. Details will be provided in Draft and Final EIS.

8. Other rights, licenses or permits related to this permit application (mineral claims, timer permits, water licences, etc.)
Autres droits, autotisations ou permis associés à cette demande de permis (claims miniers, permis de coupe, permis d=exploitatoin hydraulique, etc.)
Description available in the Project Proposal.

Is this to be a pioneered road? Yes. The route will be determined with on-going feasibility work, environmental baseline information and consultation with stakeholders and regulators.

Roads Routes: Please provide details on back page
G La route doit-elle être aménagée? Donnez les détails sur la dernière page

Has the route been laid out of ground truthed?
G La tracé a-t-il été établi et le terrain nivelé ?

9. Proposed disposal methods - Méthodes d=élimination proposées

1. Garbage: Ordures:

b) Sewage (Sanitary & Grey Water): Eaux usées (Eaux d=égoût et eaux ménagères)

c) Brush & trees: Brousailles et arbres:

d) Overburden (Organic soils, waste material, etc.): Terrain de recouvrement: (Dépôts organiques, déchets, etc.)

Please refer to the Project Proposal for a description of the waste. Exact quantities are not yet known

and are being identified and evaluated as part of on-going feasibility studies. Details will be provided in Draft and Final EIS.

10. Equipment (includes drills, pumps, etc.) (Please use last page if required)
Matériel (comprend foreuses, pompes, etc.) (Utilisez la dernière page au besoin)

Please refer to the Project Proposal for a description of general equipment needs. Exact type. size and number quantities are not yet known and are being identified and evaluated as part of on-going feasibility studies. Details to be provided in Draft and Final EIS.

Type & Number - Type et nombre	Size - Dimension	Proposed use - Utilisation proposée

11. Fuels - Combustibles | Number of containers - Nombre de réservoirs | Capacity of containers - Capacité des réservoirs

Please refer to the Project Proposal for a description of general fuel needs. Exact type and volumes are not yet known and are being identified and evaluated as part of on-going feasibility studies.

Diesel	
Gasoline – Essence	
Aviation Fuel	
Propane	
Other	

12. Containment fuel spill contingency plans (Please attach separate contingency plan if necessary)
Plans d=urgence d=isolement de carburant en cas de déversement (veuillex joindre un plan d=urgence distinct au besoin)

Description available in the Project Proposal. The Spill Contingency Plan is being evaluated as part of on-going feasibility studies and will be presented in the draft EIS.

13. Methods of fuel transfer (To other tanks, vehicles, etc.) - Méthodes de transfert des combustibles (vers d=autres réservoirs, véhicules, etc.)

Will be part of the Spill Contingency Plan submitted with the draft EIS.

14. Period of operation (includes time to cover all phases of project work applied for, including restoration)
Période d=opération (comprend toute période du début à la fin des projets, y compris la remise en érat)

The Project life is up to 22 years – two years of initial construction, 10 to 15 years of production and up to five years closure and post-closure monitoring.

15. Period of permit (up to two years, with maximum of one year extension) Période du permis (valide pour une durée de deux ans et prolongation maximale d=un an)	Start date - Date du début du projet	Completion date - Date d=achèvement
	June ɔ 2014	June ɔ 2039

16. Location of activities by map co-ordinates (attached maps and sketches)
emplacement de activités selon les coordonnées géographiques (cartes et esquisses ci-jointes)

Minimum Latitude Degrees 65	Minutes 00	Seconds 00	Minimum Longitude Degrees 106	Minutes 00	Seconds 00
Maximum Latitude Degrees 66	Minutes 00	Seconds 00	Maximum Longitude Degrees 107	Minutes 00	Seconds 00

The main base of current exploration activities is Goose Camp, located at 65°32'40" N, 106°25'32" W, and George camp, located at 65°35'13" N, 107°27'35" W. These two locations are in the general area of the proposed mine site operations.

Map Sheet No.
NEde feuille de carte ɔ

Indian and Northern Affairs Canada

Affaires Indiennes et du Nord Canada

NTS Map Sheet No: 76G (Beechey Lake) and 76J (Tinney Hills)

Scale 1:250,000

17. Applicant - Requérant
Print name in full - Ecrie votre nom au complet en lettre moulée

Matthew Pickard,

Signature

Revision signed Sept 20, 2012
Date

18. Fees - Droits

G Class A $150.00

G Class B $150.00

Land use fees:
Droits d=utillsation des terres

_____Hectare @ $50.00 =
(Less than or equal to 2 ha.)

$_____

_____Hectare @ $50.00 =
(Each additional ha. Or portion of a ha. In excessof 2 ha.)

$_____

Total application and land use fees

Total des droits de demande de permis et d=utillisation des terres

$ 150.00

Office use only - Reservé pour usage interne seulement

19. Calculation of area involved (including access, staging areas, airstrips, campsites, etc.)
Calcul des aires en cause (comprend l=accès, les aires de transit, les pistes d=atterrissage, les camps, etc.)

Total area (Ha.) Superficie totals	Less 2 hectares Moins 2 hectares (-2)	TOTAL (For fee calculatoin) (Aux fine du calcul des droits)

20. Application checklist - Vérification de la demande

a) G Application signed and dated
Demande signée et datée

b) ~ Fees attached
Droits ci-joints

c) ~ Map included
Carte incluse

d) ~ Address and telephone number
Addresse et numéro de téléphone

e) ~ Screening report
Rapport d=examen

f) G Timber permit applied for
Permis de coupe du bois demandé

g) ~ Fees attached
Droits ci-joints

h) ~ Lease applied for
Bail demandé

Accepted by - Acceptée par

Date

Remarks - Remarqu

21. Additional information (attach additional pages if necessary) - Renseignements additionnels (joindre des pages supplémentaires au besoin)

Additional information has been requested to clarify the proposed Project components that may be located on Crown Land. The outline of Inuit Owned Land and Crown Land is presented in the Back River Project Description (June 2012), Figure 1-2 (Sabina Mineral Tenure in the West Kitikmeot) and the proposed project components are shown on Figure 2.1-3 (Proposed Goose Property Layout) and Figure 2.1-4 (Proposed George Property Layout).

Optimal mining methods, site layout and access will be determined as part of on-going pre-feasibility and future feasibility studies that incorporate on-going findings from engineering and design, environmental conditions, and community engagement. The following is presented based on the proposed Back River Project Description (June 2012) and is subject to revision as engineering and environmental assessment proceeds ; ie the components will likely remain however their location will not be available until final feasibility and final EIS.

The potential project components that may be found on Crown Lands include at either or both Goose and George:

- Lined bulk storage for ammonium nitrate
- Emulsion mixing plant and wash bay
- Explosives magazines
- Fuel Storage and associated fuel handling
- Reagent storage
- Water treatment system
- Airstrip and associated navigation equipment

The potential project components that may be found on Crown Lands at Goose inlcude :

- Tailings Storage Area

The potential project components that may be found on Crown Lands at the Marine Laydown Area at Bathurst Inlet include :

- Lined bulk storage area for Ammonium Nitrate
- Reagent storage
- Fuel storage and associated handling systems
- Emergency and spill response facilities (focused on ocean fuel spills)
- General maintenance building
- Waste management building
- Light vehicle maintenance workshop
- 100-Man camp complete with kitchen, dry and recreational facilities
- Office facilities

- Modular potable water treatment system
- Modular sewage treatment system
- Diesel power plant
- Airstrip and associated navigation equipment

The potential project components that may be found on Crown Lands between Goose, George and Bathurst Inlet include :

- Portions of the all - weather and ice road corridors and associated water crossings and quarries

Appendix V12-1D

DFO Correspondence and Applications

Rescan™
an ERM company

Sabina
GOLD & SILVER CORP.

Georgina Williston
Fisheries Protection Biologist
Fisheries and Oceans Canada
Central and Arctic Region

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Yellowknife, NT X1A 1E2
Tel.: 867-669-4927
Fax: 867-669-4940
Email: georgina.williston@dfo-mpo.gc.ca

January 10, 2014

Re: Application for Fisheries and Oceans Canada Authorizations under the Fisheries Protection Act for the Back River Gold Project

Dear Georgina,

Sabina Gold & Silver Corp (Sabina) is a public Canadian mining company (SBB: TSX) that is focused on development of its 100%-owned Back River Gold Project located in the Kitikmeot Region of Nunavut. This letter is submitted with the concurrent submission of the Draft Environmental Impact Statement (DEIS) to the Nunavut Impact Review Board (NIRB; file no. 12MN036) in order to initiate the application processes for authorizations needed for Project Development. As Sabina continues ongoing engineering and feasibility studies, and the DEIS undergoes review through the NIRB process, we have been encouraged to engage regulators as early as possible to facilitate ongoing environmental assessment and subsequent regulatory/permitting processes after the issuance of the Project Certificate.

The Project includes mining of six deposits at the Goose Property and the George Property with access principally through the seasonal use of a Marine Laydown Area situated in the southern portion of Bathurst Inlet, and connecting winter roads. The mine plan for the Project is an estimated 10-year operating mine life based on currently known resources, with a total ore feed to a single mill at the Goose Property of approximately 15.0 million tonnes although continued exploration may extend projected mine life. The attached one page summary provides a general description of the Project components and activities.

Sabina acknowledges that there are components and activities of the Back River Project that may require authorizations from Fisheries and Oceans. For this reason, an application for Fisheries Act Authorization was submitted in August 2012 with the submission of the Back River Project Description to the Nunavut Impact Review Board. A copy of the application is included with this letter for your convenience.

Further, Sabina also recognizes that the regulatory regime related to fisheries protection is in transition as new DFO legislation comes into effect this year. The appropriate application packages for DFO authorizations will be prepared and submitted with either the Final Environmental Impact Statement, or earlier if possible. Sabina will consider the implications of changing legislation and will

revise any applications, in consultation with DFO personnel, to address any changes as we proceed through environmental assessment process.

Sabina has completed a preliminary self-assessment and has identified Project components and activities that would be considered for authorization under DFO's *Fisheries Protection Act* as they may cause "serious harm to fish." Concurrently, Sabina has also assessed the contribution of relevant fish to the productivity of commercial, recreation, or Aboriginal fisheries. Based on available land use, traditional knowledge and ongoing consultation with the communities, there is no fisheries identified in the area of the Goose and George Properties, however, there is an Aboriginal fisheries in the marine environment of Bathurst Inlet. Based on the self-assessment, Sabina has concluded the following project components and activities at the Marine Laydown Area may require authorization under the *Fisheries Protection Act*:

Harbours and Marine Commercial Activities

- Moorings
- Piers
- Wharf

Water Diversion and Dewatering

- Dewatering / Pumping

Water Taking

- Water Intake
- Water Extraction

Other Activities

- Habitat Restoration
- Riparian Vegetation Removal
- Mineral Exploration
- Blasting / Explosives

Sabina requests a review of these components by DFO and ask for the appropriate forms and/or guidance documents to make this request.

Components and activities at the Goose Property and George Property that do not require authorization under the Act include the following:

Bridges, Causeways and Culverts

- Bridges
- Culverts

- Docks
  - All new construction, repair or rebuild of a floating, cantilever or post dock
  - All removal activities
- Boat Houses
  - New construction, repairs or rebuilds
    - No new fill placed below the High Water Mark
  - All removal activities
- Boat Launches / Ramps
  - Construction or repairs
    - No new fill placed below the High Water Mark
  - All removal activities
- Aquatic Vegetation Removal
  - Removal of aquatic vegetation by hand or mechanical cutting for swimming areas and private boat access
    - Area is less than 4 meters in width, perpendicular to shore
- Dredging
  - Dredging for private boat access
    - Area is less than 4 meters in width and 10 metres in length (perpendicular to shore)
  - Marina routine maintenance dredging
    - No increase in footprint below the High Water Mark
    - Dredging material is deposited and stabilized on land (no open water disposal)
    - Dredging has occurred in the last 10 years
- Excavation
  - In land excavation for nearshore development
    - All work is conducted above the High Water Mark
    - No alteration of water levels in nearby waterbodies
    - No excavation in seasonally inundated areas and floodplains
- Shoreline Protection
  - Shoreline stabilization such as rock protection, plantings and bioengineering
    - No increase in footprint below the High Water Mark
    - No new fill placed below the High Water Mark
- Beaches
  - Installation and replenishment of private and public beaches
    - All sand is isolated and contained above the High Water Mark such that sand cannot wash into the water
- Water Intakes

- Installation of and repairs to water intakes
    - No increase in footprint below the High Water Mark
    - No new fill placed below the High Water Mark
    - Can avoid killing of fish
- All removal activities

Drainage, Flood Control, Stormwater and Wastewater Management

- Stormwater Management Facilities / Basins
- Water Outfalls
- Drainage Channels
- Aquatic Vegetation Removal
- Dikes
- Berms
- Tailings Impoundment Area. The new, land-based TIA would be constructed at the Goose Property associated with the mill and processing plant for the Project.

Flow Management

- Dams

Water Diversion and Dewatering

- Dewatering / Pumping

Water Taking

- Water Intake
- Water Extraction

Other Activities

- Habitat Restoration
- Riparian Vegetation Removal
- Mineral Exploration
- Blasting / Explosives

Although Sabina is of the opinion that these activities and components do not require DFO review, we are committed to avoiding serious harm to fish. This commitment is reflected in design considerations and management plans. In particular, Sabina has undertaken the development of a Conceptual Fish Offsetting Plan as part of the DEIS that incorporates new guidelines and information for management of fish habitat. This Plan presents concepts to assist with ongoing engagement and consultation. As

Sabina
GOLD & SILVER CORP.

environmental assessment progresses through the year, other available Fish Offsetting options that could provide more value may be pursued.

We are pleased that you were able to visit our project site late in 2013 and hope that this exposure has helped advance an understanding of our specific situation. Sabina intends to continue engaging regulators and other interveners throughout the environmental assessment process. We understand as well that DFO continues to refine its implementation plans for the changing legislation and we will continue to work with you to ensure we are advancing our application process in a timely and complete manner. If you have any questions on our approach to addressing the fisheries protection requirements please contact me any time at the coordinates provided below.

Yours truly,

Matthew Pickard B.Sc., MBA, P.Geo, CRSP, EP
Vice President, Environment & Sustainability
Sabina Gold & Silver Corp.

930 West 1st Street, Suite 202
North Vancouver, BC V7P 3N4
Tel (Vancouver): 604.998.4190/888.648.4218
Fax (Vancouver): 604.998.1051
Email: mpickard@sabinagoldsilver.com

Fisheries and Oceans Canada | Pêches et Océans Canada

DFO File No.:

APPLICATION FOR *FISHERIES ACT* AUTHORIZATION

Applicant

I, the undersigned, hereby request authorization for the harmful alteration, disruption or destruction of fish habitat and/or the destruction of fish by means other than fishing that will likely result from the works, undertakings, activities or operations related to the proposed development described on this application form. I understand that the *Fisheries Act* Authorization, if granted, is from the Minister of Fisheries and Oceans standpoint only and does not release me from my obligation to obtain permission from other concerned regulatory agencies. If an authorization is granted as a result of this application, I hereby agree to carry out all activities relating to the project within the designated time frames and conditions specified in the Authorization.

Applicants Name:
Applicant's Address:
Applicant's Telephone No.:
Applicant's Fax No.:
Applicant's Email:

Sabina Gold & Silver Corp.
202 – 930 West 1st Street,
North Vancouver, BC
V7B 3N4
Phone: 604-998-4175 Fax: 604-998-1051

Mathew Pickard
Director, Environment and Community Relations
Tel (Toronto): 604.484.8967/416.848.1184
Tel (Vancouver): 604.998.4190/888.648.4218
Fax (Vancouver): 604.998.1051
Cell: 416.605.7881
Email: mpickard@sabinagoldsilver.com

Location of Proposed Development

Nearest community (city, town, village): Bathurst Inlet (Kingoak)
Municipality, district, township, county: Kitikmeot Region
Province: Nunavut

Name of watercourse, waterbody: Various watercourses and waterbodies are within the project extents identified in the following. The watersheds include the Western River Watershed, the Ellis River Watershed and the Back River Watershed

Longitude and latitude, UTM Coordinates:

Project Extents			
Min Lat (degree/minute)	65°00'00"N	Min Long (degree/minute)	106°00'00"W
Max Lat (degree/minute)	66°00'00"N	Max Long (degree/minute)	107°00'00"W

Description of Proposed Development

The proposed development impacting on fish and fish habitat involves:

THE BACK RIVER PROJECT

Project details are presented in:

Rescan. 2012. *The Back River Project: Project Description*. Prepared for Sabina Gold & Silver Corp. by Rescan Environmental Services Ltd.

The proposed Project includes the development of open pits at the Goose Property (Goose, Umwelt and Llama) and underground mines at the Goose Property (Goose, Umwelt) and the George Property (Locale 1, Locale 2, Lone Cow, GH, and Slave). Ore would be mined and trucked to a conventional processing plant at the Goose Property to produce gold. The processing of the ore to recover gold would include crushing and grinding of the ore, followed by gravity and flotation concentration, and leaching of the concentrate. Waste material from the mine operations would be placed on the land in certain areas and tailings would be deposited in a nearby impoundment

The Project life is up to 22 years – two years of initial construction, 10 to 15 years of production and up to five years closure and post-closure monitoring. The mine and mineral processing plant would operate for up to 15 years and employ up to 900 people. About half of these employees would be on site at any one time because of the fly in/fly out rotational schedule.

Access to the mine will be year round by air. Sea access will only be available during open water season. The Marine Laydown Area in southern Bathurst Inlet will be used for annual resupply during the life of the mine and mobilize equipment for construction and demobilize during closure. Sabina will also build all-weather and winter access roads to connect all the Properties.

The Project would also include a camp, mineral processing plant, storage areas, maintenance and mechanical repair warehouses, fuel tanks, tailings impoundment, waste rock piles, airstrip, and local site roads. Sabina would have a small camp, airstrip, fuel storage, and laydown area at the Marine Laydown Area at Bathurst Inlet. Most of these facilities would be removed at the end of the mine life. Roads, airstrips, the tailings impoundment, and waste rock piles cannot be

removed and would be returned to the land use agreed to at that time. This is determined with regulators and stakeholders.

Description of Potential Impacts to Fish and Fish Habitat

Impacts to fish and fish habitat resulting from the works, undertakings, operations or activities associated with proposed development described above include:

Potential project-related impacts to freshwater fish and fish habitat include:

- project activities directly removing or altering fish habitat (partial or full lake dewatering, culvert installations, construction of dams in water courses, waste rock and tailings storage areas, reduction in stream flows below normal low levels); and
- project activities potentially affecting water quality or sediment quality.

Project activities could potentially affect freshwater fish habitat. The loss of freshwater fish habitat will occur due to the development of mineral deposits, which will require that a portion or all of the lake be dewatered. Fish habitat loss may potentially occur due to the location of waste rock storage areas, tailings storage areas, and road crossings. These project activities could result in the harmful alteration, disruption or destruction (HADD) of fish habitat.

Project activities that could potentially affect water and sediment quality could potentially affect fish health and fish habitat by causing a reduction in growth and/or health (e.g., sublethal toxicity), and by potentially altering fish habitat (e.g., sediment suspension, TSS loading). This could include activities like the in-stream construction of dams, bridges, dikes, and culverts.

Proposed Mitigation

The main mitigation measure employed for the harmful alteration, disruption or destruction (HADD) of fish habitat will be avoidance. To avoid and prevent HADDs and the introduction of deleterious substances to watercourses, and to minimize the adverse effects of any unavoidable disturbances to fish habitat, a range of specific and generally accepted techniques for sediment control, riparian care, site isolation, timing windows, reclamation and rehabilitation will be used.

Habitat Loss: Where mitigation is not possible (i.e., habitat loss associated with the development of the mineral deposits), a fish habitat compensation plan will be developed to ensure the no net loss of fish habitat and adherence to DFO policies.

Works In or Around Water: effects associated with work in or around water (e.g., sedimentation) will be minimized through adherence to Best Management Practices and DFO Operational Statements. The scheduling of in-stream works will follow the recommended periods of least risk to the key regional fish species.

Mitigation measures for water quality and sediment quality will also help minimize the potential effects to fish health and habitat, by minimizing changes to water and sediment. In addition, site infrastructure will have a minimum 30 m setback distance from fish-bearing waterbodies.

Applicant Declaration

I solemnly declare the that information provided for the review and assessment of my proposed development for impacts on fish and fish habitat are true, complete and correct, and I make this declaration conscientiously believing it to be true knowing that it is of the same force and effect as if made under oath. This declaration applies to all material submitted as part of this application for *Fisheries Act* Authorization.

Applicant's Signature (and corporate seal)

Aug 28, 2012

Date

Back River Project Fact Sheet

December, 2013

Location

- Located in the western Kitikmeot Region of Nunavut at approximately 65° north latitude, and 106° west longitude. About 400 km south of Cambridge Bay and 525 km northeast Yellowknife.
- Primary communities: Kugluktuk, Cambridge Bay, Gjoa Haven, Kugaaruk and Taloyoak
- The closest community areas to the Project are Kingaok, located approximately 160 km north of the Goose Property, and Omingmaktok, located approximately 250 km northeast of the Goose Property

Reserves

- Six mining areas within the Goose and George Properties. Three locations at the Goose Property (Goose, Umwelt, and Llama) and three locations at the George Property (Locale 1, Locale 2, and LCP North).

Site Preparation and Construction Phase

- Site preparation may begin in 2014 (winter roads, fuel depots, laydown areas)
- Full construction of the project could commence as early as 2016 – two years to complete construction
- Approximately $605 M initial capital investment

Operational Phase

- Goose Property: open pit at Llama, Umwelt and Goose deposits; underground at Umwelt deposit
- George Property: Open pits at Locale 1, Locale 2, LCP North

Production

- Production Rate (Ore): 15.0 million tonnes of mill feed for life of mine
- Projected annual 300,000 ounces of gold for about up to 10 years

Processing

- 5,000 tonnes per day
- Standard gravity separation and cyanide leaching circuit
- Tailings facility at Goose Property

Transport

- Gold doré bars shipped out by aircraft

Access Roads

- All-weather roads within George and Goose properties
- Winter road between George and Goose properties
- Winter road to link properties to the Marine Laydown Area at Bathurst Inlet
- Short term winter road link to Tibbett-Contwoyto Winter Road which extends to Yellowknife

Re-supply

- Marine supply via open water seasonal shipping (max of 10 ships, average of 3 to 5 per year)
- Year-round by aircraft
- Winter road to the Marine Laydown Area
- Winter road connection to Yellowknife (short term)

Environment

- Extensive baseline studies including terrestrial environment, wildlife (particularly caribou), marine environment, freshwater environment, air quality and resource utilization
- Traditional knowledge information collected and analyzed through an Inuit owned major study - Naonaiyaotit Traditional Knowledge Project
- Will form the foundation of Environmental Impact Statement , and provide information for development of mitigation and management plans

Employment

- Fly-in/fly-out operation
- Direct construction employment up to 1200 person years over a two year period
- Direct operations employment up to 4442 person years for 10 years

Social and Economic Benefits

- Inuit Impact Benefits Agreement with the Kitikmeot Inuit Association
- Opportunities for local businesses
- Royalties and taxes to governments

Closure and Post-closure Phase

- Closure will ensure that the former operational footprint is both physically and chemically stable in the long term for protection of people and the natural environment
- Post closure environmental monitoring will continue sufficient to verify that reclamation has successfully met closure and reclamation objectives

Appendix V12-1E

Transport Canada Correspondence and Applications

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Sabina
GOLD & SILVER CORP.

Gregory T Black
Navigable Waters Protection Officer
Transport Canada Prairie and Northern Region
1100-9700 Jasper Avenue
Edmonton, Alberta T5J 4E6

January 10, 2014

Re: Application for Transport Canada Authorizations under the Navigable Waters Protection Act for the Back River Gold Project

Dear Greg,

Sabina Gold & Silver Corp (Sabina) is a public Canadian mining company (SBB: TSX) that is focused on development of its 100%-owned Back River Gold Project located in the Kitikmeot Region of Nunavut. This letter is submitted with the concurrent submission of the Draft Environmental Impact Statement (DEIS) to the Nunavut Impact Review Board (NIRB; file no. 12MN036) in order to initiate the application processes for authorizations needed for Project Development. As Sabina continues ongoing engineering and feasibility studies, and the DEIS undergoes review through the NIRB process, we have been encouraged to engage regulators as early as possible to facilitate ongoing environmental assessment and subsequent regulatory/permitting processes after the issuance of the Project Certificate.

The Project includes mining of six deposits at the Goose Property and the George Property with access principally through the seasonal use of a Marine Laydown Area situated in the southern portion of Bathurst Inlet, and connecting winter roads. The mine plan for the Project is an estimated ten year operating mine life based on currently known resources, with a total ore feed to a single mill at the Goose Property of approximately 15.0 million tonnes although continued exploration may extend projected mine life. The attached one page summary provides a general description of the Project components and activities.

Sabina acknowledges that there are components and activities of the Back River Project that may require authorizations from Transport Canada related to in-water works such as intakes/outfalls and lake dewatering (complete or partial). Further, Sabina also recognizes that the regulatory regime related to navigation protection is in transition as new Transport Canada legislation comes into effect later this year. The appropriate application packages for Transport Canada authorizations will be prepared and submitted with either the Final Environmental Impact Statement, or earlier if possible. Sabina will consider the implications of changing legislation and will revise any applications, in consultation with Transport Canada personnel, to address any changes as we proceed through environmental assessment process.

Sabina has identified the following Project components and activities that would be considered for authorization under Transport Canada's *Navigation Protection Act*:

a) freshwater in-water works including water crossings

- Sabina considers these as minor works and/or minor waterways and has completed a self - assessment against Transport Canada criteria.

b) freshwater and marine in-water works including intakes and outfalls

Sabina
GOLD & SILVER CORP.

- Sabina acknowledges these components and activities may require authorization, however, insufficient detail is available at this time to warrant a formal application. The appropriate application packages will be prepared and submitted with either the Final Environmental Impact Statement, or earlier if possible.

c) marine in-water works including docks and barge ramps

- Sabina acknowledges these components and activities may require authorization, however, insufficient detail is available at this time to warrant a formal application. The appropriate application packages will be prepared and submitted with either the Final Environmental Impact Statement, or earlier if possible.

d) partial/complete lake dewatering

- In order to access mineral resources in a safe and economical manner, Sabina is proposing to dewater lakes at both Goose and George Properties including Llama Lake (Goose Property) and Occurrence and Lytle Lakes (George Property). Sabina acknowledges that these activities currently require a Proclamation Order and may require an Order in Council under the new legislation that we understand will come into force April 2014. To facilitate an appropriate application, Sabina requests that you send us the necessary application forms and available guidance documents as soon as they become available. The application package will be prepared and submitted with either the Final Environmental Impact Statement, or earlier if possible.

We are pleased that you were able to visit our project site late in 2013 and hope that this exposure has helped advance an understanding of our specific situation. Sabina intends to continue engaging regulators and other interveners throughout the environmental assessment process. We understand as well that Transport Canada continues to refine its implementation plans for the changing legislation and we will continue to work with you to ensure we are advancing our application process in a timely and complete manner. if you have any questions on our approach to addressing the navigation protection requirements please contact me any time at the coordinates provided below.

Yours truly,

Matthew Pickard B.Sc., MBA, P.Geo, CRSP, EP
Vice President, Environment & Sustainability
Sabina Gold & Silver Corp.

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Back River Project Fact Sheet

December, 2013

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- Located in the western Kitikmeot Region of Nunavut at approximately 65° north latitude, and 106° west longitude. About 400 km south of Cambridge Bay and 525 km northeast Yellowknife.
- Primary communities: Kugluktuk, Cambridge Bay, Gjoa Haven, Kugaaruk and Taloyoak
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Appendix V12-2A

NWB Renewal and Amendment for 2BEG001015

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NUNAVUT WATER BOARD
NUNAVUT IMALIRIYIN KATIMAYIT
OFFICE DES EAUX DU NUNAVUT

GENERAL WATER LICENCE APPLICATION
(APPLICATION FOR NEW WATER LICENCE)

The applicant is referred to the NWB's Guide 4: *Guide to Completing and Submitting a Water Licence Application for a New Licence* for more information about this application form.

LICENCE NO: (for NWB use only)	
1. APPLICANT (PROPOSED LICENSEE) CONTACT INFORMATION (name, address) Sabina Gold & Silver Corp. # 202 - 930 West First Street North Vancouver, BC V7P 3N4 Contact: Matthew Pickard Phone: ____(604) 998 4175 _____ Fax: ____(604) 998.1051_____ e-mail: ____mpickard@sabinagoldsilver.com__	**2. APPLICANT REPRESENTATIVE CONTACT INFORMATION** if different from Block 1 (name, address) Same as Block 1 Phone: _____ Fax: _____ e-mail: _____ (Attach authorization letter.)
3. NAME OF PROJECT (including the name of the project location) Sabina Gold & Silver Corp – Back River Project – Goose Site	
4. LOCATION OF UNDERTAKING **Project Extents** NW: Latitude: 65° 47' 00"N Longitude: 107° 07' 00"W NE: Latitude: 65° 47' 00"N Longitude: 106° 15' 00"W SE: Latitude: 65° 24' 00"N Longitude: 106° 15' 00"W SW: Latitude: 65° 24' 00"N Longitude: 107° 07' 00"W **Camp Location(s):** Goose Camp Location Latitude: 65°32'40"N, Longitude: 106°25'35"W	

5. MAP - Attach a topographical map, indicating the main components of the undertaking.

NTS Map Sheet No.: **76G/09** Map Name: **District of Mackenzie** Map Scale: **1/50,000**

Volume 12, Figure 2.1-4 shows the general layout of the Goose Exploration Project and the location of the proposed all-weather access road, laydown area, fuel storage area and proposed winter road access, and other site infrastructure.

Due to planned camp expansion, this application is for amendments to water use, site preparations activities, increase fuel storage and improve fuel storage area, an all-weather road from the existing camp to the Umwelt exploration area, extending the airstrip as well as all other conditions approved in Licence No: 2BE-GOO1015 Type "B"; Amendments 1 through 3 with Licence Expiry: March 31, 2015

6. NATURE OF INTEREST IN THE LAND - 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: _____ Date of expiry: _____

X Mineral Lease from Indian and Northern Affairs Canada (INAC)
Date of issuance: varies Date of expiry: varies

Surface

X Crown Land Use Authorization from Indian and Northern Affairs Canada (INAC)
Date of issuance: 2010-10-31 Date of expiry: 2014-10-31

X Inuit Owned Land (IOL) Authorization from Kitikmeot Inuit Association (KIA)
Date of issuance: December 12, 2012 Date of expiry: December 13, 2013 (renewal pending)

☐ 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: _____

Name of entity(s) holding authorizations: Sabina Gold & Silver Corp.

Volume 12, section 3.3 lists all of the Sub-surface and Surface tenures currently held by Sabina and the current list of permits, licenses and authorizations

7. NUNAVUT PLANNING COMMISSION (NPC) DETERMINATION

Indicate the land use planning area in which the project is located.

☐ North Baffin ☐ Keewatin

☐ South Baffin ☐ Sanikiluaq

☐ Akunniq **X West Kitikmeot**

Is a land use plan conformity determination required?

☐ **Yes** **X No**

If Yes, indicate date issued and attach copy _____

If No, provide written confirmation from NPC confirming that a land use plan conformity review is not required.
NPC conformity review is not required (NIRB, Notice of Decision December 17, 2012, File 12MN036). NPC has indicated in previous applications and amendment requests for 2BEGOO1015 that there is not an approved land use plan for the West Kitikmeot Region and conformity is not required; email dated January 8, 2010 available upon request.

8. NUNAVUT IMPACT REVIEW BOARD (NIRB) DETERMINATION

Is an Article 12 Part 4 screening determination required?

X Yes ☐ No

If Yes, indicate date issued and attach copy ___**08EA084, dated December 10, 2009**__

The NIRB decision (file 08EA084) regarding screening of the primary undertaking indicated that the project is exempt under NLCA section 12.4.3 (included in DEIS Volume 12, Appendix 3)

If No, provide written confirmation from NIRB confirming that a screening determination is not required.

9. DESCRIPTION OF UNDERTAKING – List and attach plans and drawings or project proposal.

Sabina sees an opportunity to continue exploration activities in the Back River area and is requesting renewal of the Goose water licence. Water use from Goose Lake will be used to supply the existing camp (kitchen, dry, and rocksaw) and from local sources to supply drilling operations. Water would be stored in surge tanks located at each drill and in camp.

This application is requesting to maintain the previous allocation of 297m³/day under NWB License 2BE-GOO1015. Exploration work over the next five years may include:

- Seasonal operation of the existing camp located at 65° 32'N, 107° 27'W. In general, camp would open in February of each year and close by the end of October.
- Fuel and hazardous materials handling, storage and transportation to support exploration and site preparation activities.
- Transport of fuel and drilling supplies to and from the camp and associated storage and handling.
- Ground and aerial geophysical surveys; geologic mapping and sampling.
- Manual and mechanical testpitting and trenching
- Diamond drill testing of the geophysical targets and step-out drilling on the known deposits.

- As needed operation of temporary camps of up to 20 people to support early season resupply activities and/or exploration located 20km or more from the main camp.
- Water uses in addition to domestic and drill use may include water used, diverted, stored or discharged in activities associated with camp operations and exploration. This may include water crossings, dust management, winter road construction, progressive reclamation activities, collection/diversion around infrastructure.
- Quarry operations and associated explosive storage and handling. Until the all-weather road is available, access to the quarry will be overland via winter road.
- Transport of drilled core to camp for geological logging, sampling and storage.
- Transport of personnel to and from the exiting camp and drill sites with a helicopter.
- Fixed wing planes will provide transport to and from the camp. Helicopters provide access between camp and drill/exploration locations.
- Inspection and reclamation of drill sites upon drill hole completion.
- Camp clean-up and progressive reclamation.

Other activities planned for the camp over the next five years to support site preparation (preconstruction) activities for the Back River Gold Project may include:

- Extending the existing all-weather airstrip from 918m to approximately 1600m to accommodate larger airplanes year round.
- Extend the existing single land all-weather road approximately 5km to provide access to the rock quarry and Umwelt exploration area. Laydown availability in this area will support ongoing exporation in the area and provide additional storage for drill core and fuel
- Water crossings associated with all-weather road access and airstrip
- Operate the existing rock quarry west of camp and if needed access a new quarry area in the Umwelt area
- Increase bulk fuel storage to accommodate up to 10ML of fuel.

Activities will be supported out of the existing camp at Goose Lake. Daily activities at the camp will consist of regular maintenance of vehicles and facilities, office/administrative tasks, core logging/cutting/sampling, cooking, and other day-to-day type activities. Drilling operations will be helicopter-supported, with supplies stored at both Goose camp and the Umwelt laydown. Drill crews will operate on a 24-hour schedule (2 12-hour shifts), and return to Goose camp at the completion of each shift.

10. **OPTIONS** – Provide a brief explanation of the alternative methods or locations that were considered to carry out the project.

Site selection for the Goose Site is dictated by the proximity to the mineralized areas, proximity to water, large and stable area to accommodate required infrastructure while minimizing footprint, and avoidance of landscape, environmental and culturally sensitive areas. The renewal/amendments requested does not change the alternative methods and locations considered to carry out the project. The all-weather airstrip and rock quarry have been sited based on safety, physical and chemical stability of material and proximity to camp. The all-weather airstrip and rock quarry have been sited based on safety, physical and chemical stability of material and proximity to camp. The proposed laydown/fuel storage areas have been located because of underlying stability of the area.

The Project Development Areas (PDA) have been identified to outline areas for each Project that may be affected by project components and activities over all phases of the Project life. The current footprint within the individual Property PDA are preferred as they are technically feasible, are relatively low cost and are amenable to reclamation.

11. CLASSIFICATION OF PRIMARY UNDERTAKING - Indicate the primary classification of undertaking by checking one of the following boxes.

☐ Industrial
☐ Agricultural
X Mining and Milling (includes exploration/drilling/exploration camps)
☐ Conservation
☐ Municipal (includes camps/lodges)
☐ Recreational
☐ Power
☐ Miscellaneous (describe below):

_____

See Schedule II of *Northwest Territories Waters Regulations* for Description of Undertakings.

Information in accordance with applicable Supplemental Information Guidelines (SIG) must be submitted with a New Water Licence Application. Indicate which SIG(s) are applicable to your application.

☐ Hydrostatic Testing
☐ Tannery
☐ Tourist / Remote Camp
☐ Landfarm & On-Site Storage of Hydrocarbon Contaminated Soil
☐ Onshore Oil and Gas Exploration Drilling
X Mineral Exploration / Remote Camp
X Advanced Exploration
☐ Mine Development
☐ Municipal
☐ General Water Works
☐ Power
The Supplementary Questionnaire is attached to this application

12. WATER USE - Check the appropriate box(s) to indicate the type(s) of water use(s) being applied for.

X To obtain water for camp/ municipal purposes
☐ **To obtain water for industrial purposes**
X To divert a watercourse
X To cross a watercourse
X To modify the bed or bank of a watercourse
X To alter the flow of, or store water
☐ Flood control
X Other: Quarry Operations

13. QUANTITY AND QUALITY OF WATER INVOLVED - For each type of water use indicated in Block 12, provide the source of water, the quality of the water source and available capacity, the estimated quantity to be used in cubic meters per day, method of extraction, as well as the quantities and qualities of water to be returned to source.

Does the proposed amendment change the source of water? ☐ Yes ■ No

Indicate the water source(s). Identify proposed changes.:

Sources remain as Goose Lake and local lakes in area of drilling, winter roads and temporary camps.

Does the proposed amendment change the quality of the water source and/or its available capacity?

☐ Yes ■ No

Describe the quality of the water source(s) and the available capacity(s). Identify any changes.:

The DEIS (Volume 6) indicates that the maximum water that can be withdrawn from Goose Lake without incurring a significant effect is in the range of 1000 m3/day year round and 2000 m3/day during the freshet period (June).

Does the proposed amendment change the overall quantity of water to be used?

☐ Yes ■ No

Provide the overall estimated quantity to be used. Identify proposed changes. : 297 m^3/day

Does the proposed amendment change the quantity of water to be used from each source?

☐ Yes ■ No

Provide the estimated quantity(s) of water to be used from each source. Identify proposed changes. :

Exploration use: includes drilling and other uses such as storage, discharge, diversion/collection, water crossings, dust management, winter road/airstrip construction and maintenance 252 m^3/day

Domestic use: Goose camp and temporary camps 45 m^3/day

TOTAL 297 m3/day

Does the proposed amendment change the quantity of water to be used for each purpose?

☐ Yes ■ No

Provide the estimated quantities to be used for each purpose (camp, drilling, etc.). Identify proposed changes.:

Does the proposed amendment change the method(s) of extraction? ☐ Yes ■ No

Describe the method(s) of extraction. Identify proposed changes. : see Volume 12, section 3.5.1 for description of existing extraction methods. No change is proposed

Does the proposed amendment change the quantity(s) of water returned to source(s)?

☐ Yes ■ No

Estimated quantity(s) of water returned to source(s). Identify proposed changes. : _____m^3/day

Does the proposed amendment change the quality(s) of water returned to source(s)?

☐ Yes ■ No

Describe the quality(s) of water(s) returned to source(s). Identify any changes. :

Describe the quality of water(s) returned to source(s): Proposed water quality parameters for release to the environment are:

Parameter	Maximum Concentration of any Grab Sample (µg/L)
Benzene	**370**
Toluene	**2**
Ethylbenzene	**90**
Oil and Grease	**5000**
pH	**6 to 9 (pH units)**

14. WASTE – Check the appropriate box(s) to indicate the types of waste(s) generated and deposited.

X Sewage
X Solid Waste
X Hazardous
X Bulky Items/Scrap Metal
☐ Animal Waste
X Waste oil
X Greywater
X Sludges
X Contaminated soil and/or water
X Other describe:
Accumulated water in containment areas, sediment fences, exploration areas (drill locations, trenches), and local areas in camp.

15. QUANTITY AND QUALITY OF WASTE INVOLVED – 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
Goose Property				
Sewage	blackwater	Up to 15,000 m3/yr	Sewage treatment plant	Discharge to tundra and incineration of sludge
	blackwater	Up to 15 Pacto bags (~15kg)/day	Pacto collection system and incineration	Ash drummed and backhauled
Greywater	From kitchen and drys	Up to 30 m3/day	Sump located 31m away from local waterways	
Solid waste	Paper, cardboard, plastic, wood, burlap cloth, fuel or oil soaked absorbent material, untreated paper products, metal waste.	1 tonne/yr/person		Combustible to incinerator Noncombustible transported offsite to licensed treatment/disposal facility
Combustible waste	Paper, cardboard, plastic, wood, burlap cloth, fuel or oil soaked absorbent material, untreated paper products, pacto waste, sewage treatment plant sludge, medical/environmental waste	2.5 kg/person/yr ash generated	Incineration And Open burning of acceptable material (untreated paper products only) generated at the temporary camps or of a size or volume too large for the camp incinerator	Ash drummed and backhauled

Contaminated soils/snow		Unknown		Transported offsite to licensed treatment/disposal facility
Hazardous wastes	Batteries, drilling mud additives, waste oil	Unknown	None	Transported offsite to licensed treatment/disposal facility

16. OTHER AUTHORIZATIONS – In addition to the sub-surface and surface land use authorizations provided in Block 6, indicate any other authorizations required in relation to the proposed undertaking. For each provide the following: See preamble to DEIS Volume 12

Authorization: _____ _____

Administering Agency: _____

Project Activity: _____

Date (expected date) of issuance: _____ Date of expiry: _____

17. PREDICTED ENVIRONMENTAL IMPACTS OF UNDERTAKING AND PROPOSED MITIGATION MEASURES - Describe direct, indirect, and cumulative impacts related to water and waste.

See Volume 12 section 5.0

18. WATER RIGHTS OF EXISTING AND OTHER USERS OF WATER

Provide the names, addresses and nature of use for any known persons or properties that may be adversely affected by the proposed undertaking, including those that hold licences for water use in precedent to the application, domestic users, in-stream users, authorized waste depositors, owners of property, occupiers of property, and/or holders of outfitting concessions, registered trapline holders, and holders of other rights of a similar nature.

Advise the Board if compensation has been paid and/or agreement(s) for compensation have been reached with any existing or other users.

Sabina maintains other water licenses in the area to support mineral exploration activities and associated camp and resupply infrastructure.

19. INUIT WATER RIGHTS

Advise the Board of any substantial affect of the quality, quantity or flow of waters flowing through Inuit Owned Land (IOL), and advise the Board if negotiations have commenced or an agreement to pay compensation for any loss or damage has been reached with one or more Designated Inuit Organization (DIO).

No substantial effect on the quality, quantity or flow of waters flowing through Inuit Owned Land (IOL) identified

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.
No community consultation has been completed specific to this water license renewal and amendment request. Sabina maintains a community and government engagement program to discuss our current exploration programs and the development of the Back River Project. Most of our community discussions on water use and waste deposition have been of a general nature, with potential effects on water quality and quantity and potential accidental spills. In response, Sabina has implemented a Transportation Management Plan and Spill Contingency Plan that incorporate regulatory requirements, best management practices, Traditional Knowledge and community consultation commitments Full Consultation information is provided in DEIS Volume 3

21. SECURITY INFORMATION

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.

The current Abandonment and Restoration Plan for the Goose site is included in Volume 12, section 7.1.

22. FINANCIAL INFORMATION

Provide a statement of financial responsibility.

If the applicant is a business entity, provide a list of the officers of the company.

If the applicant is a business entity attach a copy of the Certificate of Incorporation or evidence of registration of the company name.

The current details are provided in Proponent Information, DEIS Vol 11 - Appendix V11-3

23. STUDIES UNDERTAKEN TO DATE - List and attach copies of studies, reports, research, etc.

Comprehensive baseline studies have been initiated at the Project. Results from this ongoing work will be presented in baseline reports and used in ongoing feasibility studies. Volume 12, section 2.0 provides a listing of studies to date and the location within the DEIS (December 2013).

Under the current water license, Sabina has been in compliance with all the terms and conditions of the license and associated amendments.

24. PROPOSED TIME SCHEDULE – Indicate the proposed start and completion dates for each applicable phase of development (construction, operation, closure, and post closure).

The current license 2BEGOO1015 expires March 31, 2015. Sabina requests that this water license renewal and amendment be issued in advance of that date (November 1, 2014) to allow site preparation and exploration activities to proceed under the terms and conditions of a new license.

Construction
Proposed Start Date: _____ (month/year) Proposed Completion Date: _____ (month/year)
Operation
Proposed Start Date: **Nov 2014**
Proposed Completion Date: **End of exploration program date to be determined**

Closure
Proposed Start Date: **End of exploration program**
Proposed Completion Date: **End of exploration program date**

Post - Closure
Proposed Start Date: **End of exploration program**
Proposed Completion Date: **End of exploration program date to be determined**

For each applicable phase of development indicate which season(s) activities occur.

Construction

☐ Winter ☐ Spring ☐ Summer ☐ Fall **X All season** (depending on program and field conditions)

Operation

☐ Winter ☐ Spring ☐ Summer ☐ Fall **X All season** (depending on program and field conditions)

Closure

☐ Winter ☐ Spring ☐ Summer ☐ Fall **X All season** (depending on program and field conditions)

Post - Closure

☐ Winter ☐ Spring ☐ Summer ☐ Fall **X All season** (depending on program and field conditions)

25. PROPOSED TERM OF LICENCE

Number of years (maximum of 25 years): Five (5) years

Requested Date of Issuance: Nov / 2014 (month/year) Requested Expiry Date: Oct / 2019 (month/year)

(The requested date of issuance must be at least three (3) months from the date of application for a type B water licence and at least 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 *Guide 5: Processing Water Licence Applications* for more information)

26. ANNUAL REPORTING – If not using the NWB's *Standardized Form for Annual Reporting*, provide details regarding the content of annual reports and a proposed outline or template of the annual report.

The NWB standard form for annual reporting will be used by Sabina with refinements as determined.

27. CHECKLIST – The following must be included with the application for the water licensing process to begin.

Written confirmation from the NPC confirming that NPC's requirements regarding land use plan conformity have been addressed.

X Yes ☐ No If no, date expected _____

Written confirmation from the NIRB confirming that NIRB's requirements regarding development impact assessment have been addressed.

X Yes ☐ No If no, date expected _____

Completed General Water Licence Application form.

X Yes ☐ No If no, date expected _____

Information addressing Supplemental Information Guideline (SIG) , where applicable (see Block 11)

X Yes ☐ No If no, date expected _____

English Summary of Application.

X Yes ☐ No If no, date expected _____

Inuktitut and/or Inuinnaqtun Summary of Application.

X Yes ☐ No If no, date expected _____

Application Fee of $30.00 CDN (Payee Receiver General for Canada).

☐ Yes ■ No If no, date expected: Jan 10, 2014

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 :Jan 10, 2014

28. SIGNATURE

Matthew Pickard	Vice President, Environment & Sustainability Sabina Gold & Silver Corp.		January 10, 2014
Name (Print)	**Title (Print)**	**Signature**	**Date**

P.O. Box 119
Gjoa Haven, NU X0B 1J0
Tel: (867) 360-6338
Fax: (867) 360-6369

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NUNAVUT WATER BOARD
NUNAVUT IMALIRIYIN KATIMAYINGI
OFFICE DES EAUX DU NUNAVUT

EXPLORATION/ REMOTE CAMP SUPPLEMENTARY QUESTIONNAIRE

Applicant: Sabina Gold & Silver Corp. **Licence No:** _____
(For NWB Use Only)

ADMINISTRATIVE INFORMATION

1. Environment Manager: Cheryl Wray Tel: 604-998-4175 Fax: 604-998-1051 E-mail: cwray@sabinagoldsilver.com

2. Project Manager: John Laitin Tel: 604-998-4175 Fax: 604-998-1051 E-mail: jlaitin@sabinagoldsilver.com

3. Does the applicant hold the necessary property rights?

Sabina Gold & Silver Corp. acquired a 100% interest in the Back River Properties from Dundee Precious Metals in 2009. Currently operates under water license NWBGOO1015 and NWBGEO0210 for the Goose and George Projects respectively.

4. Is the applicant an 'operator' for another company (i.e., the holder of the property rights)? If so, please provide letter of authorization.
N/A

5. Duration of the Project

☐ One year or less Start and completion dates: _____
☒ Multi Year:

If Multi-Year indicate proposed schedule of on site activities
Start: November 1, 2014 Completion: October 31, 2019

CAMP CLASSIFICATION

6. Type of Camp

☐ Mobile (self-propelled)
☒ Temporary
☒ Seasonally Occupied: February 1 – Oct 31
☒ Permanent
☐ Other:_____

7. What is the design, maximum and expected average population of the camp?

The Goose exploration camp can accommodate a maximum of 158 people, however, the average daily occupancy throughout the season is approximately 100, depending on activity levels, crew rotation and guests/contractors on site

The Goose Quarry southeast of camp was developed in February/March to provide rock for a crusher which was operational in March and April. This produced aggregate materials of varying sizes to complete the all-weather airstrip, the upgrade of the road from camp to the airstrip, as well as construction of infrastructure and storage pads. Pads were built to accommodate 7-75,000L sea-can fuel tanks, a warehouse storage area, lined hazardous waste storage area, lined fuel storage area, and three helicopter pads.

New infrastructure was added and existing infrastructure was upgraded at the Goose camp over the 2013 season to support the personnel required to complete the quarrying activities, construction of the all-weather airstrip and increased drilling activities. This included the addition of 3 new sleeping tents, upgrade of the incinerator building, and the installation of an impermeable liner at the south quonset. Repair to both gray water lines was also undertaken in 2013 and piping was replaced and realigned to ensure proper drainage. Electrical infrastructure was upgraded throughout camp. The construction of lined sea cans for all drilling muds and additives were completed to ensure materials are stored within containment.

Infrastructure at the Goose camp includes the following list of buildings and equipment as of September 2013 includes:

	Qty	Item
Buildings	**40**	Sleeping tents (11 soft walled and 29 wood sides)
	2	sleeping cabin (emergency shack)
	1	sleeping complex/medic
	2	TV tents (wood sides)
	2	Emergency response tents (fire response and airport emergency response)
	1	Core processing facility (coreshack, saw room, sample dispatch)
	1	Kitchen/dining hall/cold storage
	2	Dry (men's/women's/water storage & treatment)
	1	Dry (drillers)
	2	Office complex
	2	Generator shacks (main and auxiliary power)
	1	Drillers' office (old)
	1	Shop building (Helicopter contractor)
	1	Tool crib and storage
	1	Shop building (Major/old)
	1	Shop building (Major/new)
	1	Oil storage shed
	3	Quonset (2 lined shops and 1 warehouse)
	1	Exercise bldg.
	1	Sauna
	2	Environment Bldg (1 office and 1 storage)
	1	Incinerator Bldg

	1	Potable water pump shack
Other Infrastructure	**1**	bermed storage area for fuel envirotanks
	6	75,000L double walled fuel tanks
	7	75,000L sea can double walled fuel tanks
	2	Lined laydown areas for drummed fuel supplies, waste oil for furnaces, and salt.
	1	all-weather airstrip and survival tent for shelter
	1	airstrip connecting road to camp
	4	Helipads
	1	camp infrastructure (bldgs & corridors & water/electrical services)
	1	Jetty + floating dock
Equipment	**2**	D7 Caterpillar bulldozer
	1	D6 Caterpillar bulldozer
	1	IT28G Loader
	1	966 Loader
	2	289 Caterpillar skidsteers
	1	Tele-handler
	2	Low bed trailers
	1	765 Caterpillar Challenger
	1	Crusher (jaw/cone/stalk crusher and screener)
	2	Primary generator (500kW)
	1	Auxilliary generator (400kW)
	3	Ford Pickup Truck (2 Nuna and 1 Sabina)
	31	Snowmobiles (17 Major Drilling, 14 Sabina)
	2	ATVs
	1	Kubota
	8	Aluminum boats and motors

The final inventory of fuel and drilling supplies remaining in the camp at the 2013 closure includes:

- Diesel – 400,912 litres of bulk diesel contained in the double walled tanks within tertiary containment.
- Jet A/B – 109 drums in secondary containment
- Gasoline – 40 drums in secondary containment
- Av Gas – 15 drums in secondary containment
- Propane – 11 x 25lb cylinders and 12 x 250 lb cylinders.
- CaCl drilling salt – 1,327 bags (50lb) in secondary containment
- Core trays – 2,705 NQ trays

All remaining bulk fuel is within the 6-75,000L double walled fuel tanks within tertiary containment. Drums of gasoline, jet fuel and salt are stored within the lined containment for the winter season.

Proposed work for the 2014 to 2016 seasons includes extending the all-weather airstrip to ~1500m to accommodate larger aircraft year round and to extend the all-weather road from the existing airstrip to the rock quarry to a new laydown area north of the current camp. Additional storage is needed for drill core, fuel,

equipment and supplies and the immediate area of the camp is not suitably stable, or of sufficient area, to accommodate. An area approximately 5km away is on bedrock and of sufficient area to provide adequate space to safely store and handle fuel, equipment and core during exploration. The corridor is a single lane corridor with approximately 3 water crossings and will end with a laydown area approximately 50m x 50 m. Exploration will use this area as a staging area for activities in the Umwelt-Llama area.

The temporary camps established as part of exploration and resupply at distances beyond 15km of the existing camps, accommodate up to 25 people with an average capacity of 20 people. The description of the camp facilities are a general model that would be used at each location with operational needs and environmental conditions determining the actual camp layout to be used. The following Table provides a general list of camp structures that may be needed for the temporary camps.

Function	Tents
Kitchen	1 large tent
Drillers dry	1 large tent
Tool shed / work shop	1 small tent
Pacto shed	1 small tent
Project office (contains a 20 litre spill response kit)	1 large tent
Generator (contains a 205 litre spill response kit)	1 large tent
Drill Supplies	Outside storage in containers as needed
sleeping quarters	4 to 6 tents

Detailed description of camp location, facilities, and time period used will be provided in the annual report.

8. Provide history of the site if it has been used in the past.

Exploration for precious metals has occurred in this area of the Kitikmeot Region since the 1980's under various operators, including Back River Joint Venture, Homestake, Araurco, Kit Resources, Kinross, Miramar, and Dundee Precious Metals. Sabina acquired the Back River Properties in 2009 and has used it every year since that time to support ongoing exploration and baseline data collection.

CAMP LOCATION

9. Please describe proposed camp location in relation to biogeographical and geomorphological features, and water bodies.

The Goose camp is located approximately 520km northeast of the city of Yellowknife and 160km south of the hamlet of Bathurst Inlet. The camp is situated on the southern shore of Goose Lake, approximately 25km northeast of Beechey Lake (a part of the Back River).

Currently, Sabina holds water licenses for two camps in the Kitikmeot Region –Goose and George. These licenses include the exploration activities such as drilling, geophysical surveys and field programs and the operation of camps to support these activities. The purpose of this application is to renew and amend the existing water license.

The climate, soils and vegetation of the camp area are arctic in character. Plant cover is characteristic of the Arctic Tundra community. Shrubs are found sparsely distributed on the mesic sites near the rivers and lakes. On the interfluves are found low-growing perennials; grasses and sedges and some flowering species. The eskers support very little actual plant cover.

In general, lakes in the area contain extremely clear, low nutrient, low metal water, indicative of pristine high Arctic lakes. Most lakes have near-neutral waters, with very low hardness and alkalinity. However, naturally high metal concentrations are present in some lakes, indicating their proximity to surface mineralized areas.

The area is in a zone of continuous permafrost. The active layer through the Project area ranges from approximately 1 to 2 m, but may be greater in areas where there is loose, sandy soil at the edges of lakes or ponds. Talik features are potentially present in the area under larger lakes. The depth of permafrost in the region is on the order of 500 metres. Permafrost greatly increases ground stability at depth but at surface it can increase the rates of soil erosion through the formation of ice wedges, pingos, palsas, ice lenses, and thermokarst. Esker systems are noted in the area.

Several observations of caribou have been noted in the area during previous exploration programs. These are typically single or small groups of transitory animals; calving areas for the Bathurst herd are known to exist several hundred kilometers to the north of the area (west of Bathurst Inlet) and the Ahiak herd are known to calve east of Bathurst Inlet in the Queen Maud Gulf area. Other wildlife noted in the area include muskox, wolves and grizzly bears.

The current scope of work for these camps is relatively low impact and easily mitigated. Any potentially harmful impacts can be mitigated with best management practices such as the use of drip trays, secondary containment, avoiding groups of animals, keeping an appropriate distance from water bodies, general good housekeeping and ensuring safe work conditions and practices.

10. How was the location of the camp selected? Was the site previously used? Was assistance from the Regional Inuit Association Land Manager sought? Include maps and/or aerial photographs.

The Goose camp has been in existence since approximately 1987 and has grown with the project over time. Site selection was likely based on proximity to both the mineral occurrences in the area and to Goose Lake as a water supply and aircraft access. As the site was established prior to the formation of the Territory of Nunavut, it is assumed that there was no assistance from the RIA Land Manager.

Possible locations for the temporary camps are identified at the moment include Bathurst Inlet, Del Lake, Lake on Boot Property and Split Lake areas. Other locations may be identified through on-going exploration activities and operational needs. These locations are tentatively made because of their location to potential exploration targets and the lakes are large enough that they may accommodate ice airstrip construction.

11. Is the camp or any aspect of the project located on:

[X] Crown Lands Permit Number (s)/Expiry Date: Oct 16, 2014
Land Use Permit N2010C016

[ ] Commissioners Lands

Permit Number (s)/Expiry Date: _____N/A_____

[X] Inuit Owned Lands Permit Number (s)/Expiry Date: Dec 13, 2013 (renewal pending)
License No. KTL304C017 (Goose), KTL304C018 (George), KTL204C012 (Boulder Lake), and KTL204C020 (Boot Lake)

12. Closest Communities (direction and distance in km):

The Goose camp is located approximately 520 km northeast of the city of Yellowknife and 160 km south of the hamlet of Bathurst Inlet. The camp is situated on the southern shore of Goose Lake, approximately 25 km northeast of Beechy Lake (a part of the Back River).

13. Has the proponent notified and consulted the nearby communities and potentially interested parties about the proposed work?

No community consultation has been completed specific to this water license renewal and amendment request. Sabina maintains a community and government engagement program to discuss our current exploration programs and the development of the Back River Project. Most of our community discussions on water use and waste deposition have been of a general nature, with potential effects on water quality and quantity and potential accidental spills. In response, Sabina has implemented a Transportation Management Plan and Spill Contingency Plan that incorporate regulatory requirements, best management practices, Traditional Knowledge and community consultation commitments Full Consultation information is provided in DEIS Volume 3

14. Will the project have impacts on traditional water use areas used by the nearby communities? Will the project have impacts on local fish and wildlife habitats?

The project is expected to have no impact on traditional water use areas by nearby communities during the planned exploration season. Drilling activities take place over a very restricted area, typically 100m^2 or less. Precautions are taken to minimize impact on the local environment, and best management practices are employed to handle waste and cuttings. Should any concerns arise over traditional water use areas, Sabina will work with the affected parties to address them.

The project is expected to have no or minimal impact on local fish and wildlife habitat. Encounters with wildlife will be kept to a minimum through a policy of camp and work site cleanliness, no hunting or fishing from camp except with a valid permit from the Government of Nunavut, and no feeding of the animals. Hand-held air horns will be available to warn off bears and, if necessary, pepper spray will be used for self protection rather than firearms. Camp personnel will be encouraged to report wildlife encounters and record the location any critical wildlife habitat that may be discovered, such as dens or nesting or spawning sites so as to avoid them in the future.

PURPOSE OF THE CAMP

15.
- [X] Mining (includes exploration drilling)
- [ ] Tourism (hunting, fishing, wildlife observation, adventure/expedition, etc.) (Omit questions # 16 to 21)
- [ ] Other

16. Activities (check all applicable)
- [ ] Preliminary site visit

- [X] Prospecting
- [X] Geological mapping
- [X] Geophysical survey
- [X] Diamond drilling
- [ ] Reverse circulation drilling
- [ ] Evaluation Drilling/Bulk Sampling (also complete separate questionnaire)
- [ ] Other:

17. Type of deposit (exploration focus):

- [X] Lead, Zinc
- [ ] Diamond
- [X] Gold
- [ ] Uranium
- [X] Other: Copper, Silver

DRILLING INFORMATION

18. Drilling Activities
    - [X] Land Based drilling
    - [X] Drilling on ice

19. Describe what will be done with drill cuttings?

Sludge from the drills is currently captured using the megabag system and deposited in a dedicated sump at the Goose camp or a natural depression in the vicinity of drilling may be used for disposal of the cuttings in lieu of transporting them for extended distances by helicopter back to Goose camp. Doing so will reduce both the costs of the operation as well as the risk of a spill by transporting the cuttings over such a long distance.

20. Describe what will be done with drill water?

Water from the drill will be recycled to minimize the quantity used, and allowed to freeze in the hole upon completion of the drilling. Experience in this region indicates that freezing of the hole takes place in a timeframe ranging from hours to days. Clarified water drains through the megabag and is allowed to disperse on the tundra (directed away from any surface water body) where it percolates into the ground and returns to the local watershed.

21. List the brand names and constituents of the drill additives to be used? Includes MSDS sheets and provide confirmation that the additives are non-toxic and biodegradable.

Available upon request and also available at various locations including the drill/equipment maintenance shops, Site Superintendent office and environment office

22. Will any core testing be done on site? Describe.

Core will be taken to Goose camp to be logged and with intervals of potential economic interest sampled by sawing the core in half. Half of the core will remain in the core box for archiving and the other half will be bagged and shipped for analysis at laboratories in any of Vancouver, Saskatoon, Ancaster, or elsewhere as deemed appropriate. Point load testing (hardness), magnetic susceptibility, and oriented core testing (orientation of sub-surface rocks in 3D space) may also be completed at the core logging facilities at Goose camp.

SPILL CONTINGENCY PLANNING

23. The proponent is required to have a site specific Spill Contingency Plan prepared and submitted with the application This Plan should be prepared in accordance with the *NWT Environmental Protection Act, Spill Contingency Planning and Reporting Regulations, July 22, 1998* and *A Guide to the Spill Contingency Planning and Reporting Regulations, June 2002*. Please include for review.
The current Spill Contingency Plan is located in Vol 12, section 6.1

24. How many spill kits will be on site and where will they be located?

There will be 1 spill kit located with each drill. Numerous spill kits will be located throughout the camp as outlined in the Spill Contingency Plan. At a minimum, spill kits will be located adjacent to areas where fuel or other hydrocarbons are involved (i.e. tank farm, helipads, generator shack, incinerator, dock, drummed fuel storage).

25. Please describe the types, quantities, and method of storage of fuel and chemicals on site, and provide MSDS sheets.

Diesel fuel will be stored at the Goose camp in the double-walled Envirotanks located within the lined, bermed tank farm. There are a total of 6 tanks with a volume of 60,000 L each.

Drummed fuel on site will primarily consist of Jet A and/or Jet B. Drums will be stored on their sides within artificial berms with bungs horizontal. Quantities are highly variable, with the greatest amount of fuel on site during the resupply period at the start of the season. Depending on the scope of the exploration program, quantities sufficient for up to 1500 hours of flying may be required. This amount translates into approximately 1500 drums. Lesser amounts of diesel, gasoline and avgas may also be stored on site in a similar manner. Quantities of these fuels will also vary with program requirements (if needed at all in any given year), but are not anticipated to exceed 100 drums of each with the current scope of work.

Diesel fuel will be stored in 205L drums and in small double-walled fuel cells at each drill site. Quantities will be dynamic, but should not exceed 4-6 full drums at a time. All drums will be stored in artificial berms.

Fuel caches of Jet-A and/or Jet-B for the helicopters may be located throughout the area. As per licensing regulations, quantities will not exceed 4000L, and will consist of 205L drums contained within artificial berms, where practical. In 2008, serious human safety hazards were identified with using these berms at remote locations in the winter, as the plastic becomes extremely slippery and may result in a lone pilot becoming seriously or critically injured in the field and unable to call for or receive help in a reasonable time. As federally regulated transport professionals, pilots are well-trained in safe fuel handling procedures and it is felt that the risk of serious personal injury presented by a slippery berm is significantly greater than the risk of a fuel spill during the relatively short period of time any given drum will be stored on site. It is also felt that snow acts as an effective absorbent and barrier to all but the largest spills (which can be avoided with safe, diligent handling procedures); minor spills can be cleared away with no impact to the actual ground. As a best management practice, these caches will be documented and reported to the INAC and KIA Lands Inspectors.

A variety of substances are used in the day to day operation of the camp. Hydraulic fluid, motor oil and various lubricants are required for maintenance of vehicles and heavy equipment on site. These materials are currently stored in the former generator shed near the office complex which has been retrofitted with plastic sheeting and enviromat in the floor to serve as a secondary containment facility.

Chemicals used during drilling activities include calcium chloride (salt) used to prevent freezing of the water in the hole, Visco which is used as a lubricant in the hole, linseed soap for cleaning of drill string components, and

heavy grease to prevent seizure of drill rods to each other. Salt will be stored in instaberms or other secondary containment as appropriate, while the other materials are stored within the drillers' sea-cans located on site. Small quantities of each material are also located with each drill. MSDS sheets for the above materials are appended to this application.

A number of products are used for cleaning and personal hygiene throughout the camp such as dish soap, laundry detergent, shampoo, and household cleaner. These materials are stored throughout the camp where needed, and are in containers typically not exceeding 1 L in volume. As such, any spill will be contained simply by the building within which the spill occurs and can be readily cleaned up, eliminating the need for any special storage requirements. The actual products may change depending on availability. Sabina maintains a database of MSDS sheets for a large number of products which can be viewed by an inspector upon request.

WATER SUPPLY AND TREATMENT

26. Describe the location of water sources.

The license currently allows for water use from Goose Lake for camp use and "unnamed lakes in the vicinity of drilling operations". At Goose camp, the water source is adjacent to the dock, approximately 30 feet offshore in 6-8 feet of water.

Drilling operations may occur anywhere within the claim groups identified on the map included with this application and are subject to change according to exploration priorities from year to year. Sabina will endeavour to keep the appropriate authorities informed as to exploration plans. Water sources will consist of lakes within the vicinity of the drills, which will allow for flexible exploration planning as well as help to prevent frequent freezing of water lines during winter operations.

27. Estimated water use (in cubic metres/day):

Exploration use: includes drilling and other uses such as storage, discharge, diversion/collection, water crossings, dust management, winter road/airstrip construction and maintenance with source being lakes proximal to the exploration activities = 252 m^3/day

Domestic use: Goose camp and temporary camps with being Goose Lake or proximal to temporary camp location = 45 m^3/day

TOTAL 297 m3/day

28. Describe water intake for camp operations? Is the water intake equipped with a mesh screen to prevent entrapment of fish? (see *DFO 1995, Freshwater Intake End-of-Pipe Fish Screen Guideline*) Describe:

The water intake is located adjacent to the dock at the Goose camp. It is equipped with a screen to prevent entrapment of fish.

29. Will drinking water quality be monitored? What parameters will be analyzed and at what frequency?

Drinking water samples are collected weekly and submitted to Stanton Hospital for testing for pathogens (E. Coli.).

30. Will drinking water be treated? How?

Drinking water is pumped into a holding pool located in a heated shed adjacent to the kitchen and dry facility. Any larger particles will settle to the bottom of the pool. Filtration is then used to remove smaller suspended material. Final treatment consists of UV and chlorination.

31. Will water be stored on site?

The holding pool for camp water will store up to 11 m³ of water. The pool is normally filled on a daily basis (sometimes every other day), though the entire tank is not usually drawn down.

Up to 5 m³ will be stored in a plastic tank in the core processing facility at Goose camp for on-demand use with the core splitting saws. Refilling of this tank is anticipated to occur once every few days when the saws are in use.

Small volumes (up to 500 L) will be temporarily stored at the drill site should additional water be required during the drilling operations.

WASTE TREATMENT AND DISPOSAL

32. Describe the characteristics, quantities, treatment and disposal methods for:
See DEIS Vol 12, section 4.1.12 and 4.1.13 and below for details on the existing waste treatment and disposal

✓ Camp Sewage (blackwater)
Pacto toilets are used for collection of human waste. The bags are collected daily and disposed of in the camp incinerator.

✓ Camp Greywater
Greywater (kitchen, showers, sinks, laundry) is plumbed to a main line which drains in the area behind the camp away from Goose Lake. To the extent possible, a sump has been constructed, however due to the shallow depth of overburden over bedrock and the shallow depth to permafrost, the drainage area has been lined with rocks and gravel to dissipate the outflow of greywater and prevent erosion of surficial materials. Outflow of greywater is not metered, however as with a typical municipal water bill the majority of the usage can reasonably be assumed to be discharged (shower, laundry, dishes, etc.).

✓ Solid Waste
The disposal method for burnable solid waste such as paper, cardboard, plastic, wood, burlap cloth, fuel or oil-soaked absorbent material, semi-solid waste from Pacto toilets and food preparation waste would be by burning in the camp incinerator. Any remaining ashes and unburned residue would be collected in cleaned 205 L drums, sealed for transport, and flown out for disposal at a suitable waste management facility.

✓ Bulky Items/Scrap Metal
Empty drums are drained of residual fuel, crushed and strapped together for removal to Yellowknife and subsequent disposal at an approved facility or recycling as scrap metal. Larger items are packaged either in empty drums or on pallets and removed to Yellowknife for disposal at an appropriate facility, landfill or for recycling.

✓ Waste Oil/Hazardous Waste
Waste oil and residual fuel is diluted with diesel and burned in the new waste oil furnace installed to provide heat for the Quonset.

Hazardous waste (as outlined in the Government of Nunavut Environmental Guideline
For General Management of Hazardous Waste) will be packaged appropriately, labeled, and backhauled to Yellowknife for disposal at an appropriate facility.

✓ Empty Barrels/Fuel Drums

Empty drums are drained of residual fuel (stored for use in the waste oil furnace), crushed and strapped together for removal to Yellowknife and subsequent disposal at an approved facility or recycling as scrap metal.

☐ Other:

33. Please describe incineration system if used on site. What types of wastes will be incinerated?

A forced air – dual stage, diesel fueled incinerator system is used on site. Burnable solid waste such as paper, cardboard, plastic, wood, burlap cloth, fuel or oil soaked absorbent material, semi-solid waste from Pacto toilets and food preparation waste would is disposed of by burning in the incinerator.

34. Where and how will non-combustible waste be disposed of? If in a municipality in Nunavut, has authorization been granted?

Any remaining ashes and unburned residue from the incinerator are flown out for disposal or recycling at the Yellowknife landfill site. Drums of mixed hydrocarbons and water have also been trucked to a waste recycling and treatment site near Edmonton Alberta. Aluminum pop cans, and non-dairy, food grade plastic containers are collected and shipped to Yellowknife for recycling. Remaining non-combustible waste is bagged and shipped to the municipal landfill in Yellowknife.

35. Describe location (relative to water bodies and camp facilities) dimensions and volume, and freeboard for all sumps (if applicable).

If necessary, sumps for use at the various drill sites or at the camp will be located at least 31 m back from any body of water and in a location chosen to enhance infiltration and filtering of the drill return water or camp grey water. Sumps would be chosen or constructed to have dimensions of approximately 0.38 x 2 x 2 m and would have approximately 1.5 m^3 capacity. The amount of freeboard would be monitored during use and if the sump was filling up a larger sump would be constructed to contain the excess or the excess is shoveled into a megabag and moved to a more suitable location with the helicopter.

Geo-textile cloth fences are constructed on the downhill side of all new drill setups, as well as below the camp sump and dry(s) and the core cutting facility..

36. Will leachate monitoring be done? What parameters will be sampled and analyzed, and at what frequency?

NA for this application.

OPERATION AND MAINTENANCE

37. Have the water supply and waste treatment and disposal methods been used and proven in cold climate? What known O&M problems may occur? What contingency plans are in place?

The water supply system for the drills has been tested on prior work sites in Nunavut. If a coil stove water heater fails and the water lines freeze the frozen hose can be gathered up and thawed out in the drill shack. Water lines throughout camp (including greywater discharge) are either run through heated buildings or lines with heat trace

to prevent freezing during winter conditions. A second generator is located in camp as a back-up power supply in the event that the main generator fails. Pacto-type toilets will avoid the need for a water-based sewage system. In the event that the incinerator fails, burnable waste, including the Pacto bags, can be burned in the old forced air incinerator with any unburned residue flown out to Yellowknife for disposal or all the waste can be flown out to Yellowknife until the incinerator is repaired. Any needed repairs or maintenance can be quickly accessed using the satellite telephone system or internet in camp, supplemented by a battery powered hand-held satellite telephone system.

ABANDONMENT AND RESTORATION

38. Provide a detailed description of progressive and final abandonment and restoration activities at the site.

The most recently amended Abandonment and Restoration Plan included in Volume 12, section 7.1

BASELINE DATA

39. Has or will any baseline information be collected as part of this project? Provide bibliography.

- **X** Physical Environment (Landscape and Terrain, Air, Water, etc.)
- **X** Biological Environment (Vegetation, Wildlife, Birds, Fish and Other Aquatic Organisms, etc.)
- **X** Socio-Economic Environment (Archaeology, Land and Resources Use,
- **X** Demographics, Social and Culture Patterns, etc.)
- ☐ Other: _____

REGULATORY INFORMATION

40. At a minimum, you should ensure you have a copy of and consult the documents below for compliance with existing regulatory requirements:

- ✓ ARTICLE 13 – *NCLA -Nunavut Land Claims Agreement*
- ✓ NWNSRTA – *The Nunavut Waters and Nunavut Surface Rights Tribunal Act, 2002*
- ✓ *Northwest Territories Waters Regulations, 1993*
- ✓ NWB - Water Licensing in Nunavut - Interim Procedures and Information Guide for Applicants
- ✓ NWB - Interim Rules of Practice and Procedure for Public Hearings
- ✓ RWED – *Environmental Protection Act, R-068-93- Spill Contingency Planning and Reporting Regulations, 1993*
- ✓ RWED A Guide to the Spill Contingency Planning and Reporting Regulations, 2002
- ✓ NWTWB - Guidelines for Contingency Planning
- ✓ *Canadian Environmental Protection Act, 1999 (CEPA)*
- ✓ *Fisheries Act, RS 1985* - s.34, 35, 36 and 37
- ✓ DFO - Freshwater Intake End of Pipe Fish Screen Guideline
- ✓ NWTWB - Guidelines for the Discharge of Treated Municipal Wastewater in the NWT
- ✓ Canadian Council for Ministers of the Environment (CCME); Canadian Drinking Water Quality Guidelines, 1987
- ✓ Public Health Act - Camp Sanitation Regulations
- ✓ Public Health Act - Water Supply Regulations
- ✓ *Territorial Lands Act* and *Territorial Land Use Regulations*; Updated 2000

Appendix V12-2B

NWB Renewal and Amendment for 2BEGE01015

Rescan™
an ERM company

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NUNAVUT WATER BOARD
NUNAVUT IMALIRIYIN KATIMAYIT
OFFICE DES EAUX DU NUNAVUT

GENERAL WATER LICENCE APPLICATION
(APPLICATION FOR NEW WATER LICENCE)

The applicant is referred to the NWB's Guide 4: *Guide to Completing and Submitting a Water Licence Application for a New Licence* for more information about this application form.

LICENCE NO: (for NWB use only)	
1. APPLICANT (PROPOSED LICENSEE) CONTACT INFORMATION (name, address) Sabina Gold & Silver Corp. # 202 - 930 West First Street North Vancouver, BC V7P 3N4 Contact: Matthew Pickard Phone: 604) 998 4175 Fax: (604) 998.1051 e-mail: mpickard@sabinagoldsilver.com	**2. APPLICANT REPRESENTATIVE CONTACT INFORMATION** if different from Block 1 (name, address) Same as Block 1 Phone: _____ Fax: _____ e-mail: _____ (Attach authorization letter.)
3. NAME OF PROJECT (including the name of the project location) Sabina Gold & Silver Corp – Back River Project – George Site	
4. LOCATION OF UNDERTAKING **Project Extents** Max Lat: 66°02' N Min Lat: 65°48' N Max Long: 107°34' W Min Long: 107°10' W **Camp Location(s)** George Camp Location Latitude: 65°55'13"N, Longitude: 107°27'35"W	

5. **MAP** - Attach a topographical map, indicating the main components of the undertaking.

NTS Map Sheet No.: **76J, 76G and 76F** Map Name: **Tinney Hills, Beechy Lake, and Nose Lake** Map Scale: **1/250,000**

Volume 12, Figure 2.1-5 shows the general layout of the George Exploration Project and the location of the proposed fuel storage area, camp, proposed winter road access, and other site infrastructure.

Due to planned camp expansion, this application is for amendments to water use, site preparations activities, increase fuel storage and improve fuel storage area as well as all other conditions approved in Licence No: 2BE-GEO1015 Type "B"; Amendments 1 through 2 with Licence Expiry: March 31, 2015

6. **NATURE OF INTEREST IN THE LAND** - 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: _____ Date of expiry: _____

X Mineral Lease from Indian and Northern Affairs Canada (INAC)
Date of issuance: varies Date of expiry: varies

Surface

X Crown Land Use Authorization from Indian and Northern Affairs Canada (INAC)
Date of issuance: 2010-10-31 Date of expiry: 2014-10-31

X Inuit Owned Land (IOL) Authorization from Kitikmeot Inuit Association (KIA)
Date of issuance: December 12, 2012 Date of expiry: December 13, 2013 (renewal pending)

☐ 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: _____

Name of entity(s) holding authorizations: Sabina Gold & Silver Corp.

Volume 12, section 3.3 lists all of the Sub-surface and Surface tenures currently held by Sabina and the current list of permits, licenses and authorizations

7. NUNAVUT PLANNING COMMISSION (NPC) DETERMINATION

Indicate the land use planning area in which the project is located.

☐ North Baffin
☐ South Baffin
☐ Akunniq
☐ Keewatin
☐ Sanikiluaq
X West Kitikmeot

Is a land use plan conformity determination required?

☐ Yes
☐ **X No**

If Yes, indicate date issued and attach copy _____

If No, provide written confirmation from NPC confirming that a land use plan conformity review is not required.

NPC conformity review is not required (NIRB, Notice of Decision December 17, 2012, File 12MN036). NPC has indicated in previous applications and amendment requests for 2BEGOO1015 that there is not an approved land use plan for the West Kitikmeot Region and conformity is not required; email dated January 8, 2010 available upon request.

8. NUNAVUT IMPACT REVIEW BOARD (NIRB) DETERMINATION

Is an Article 12 Part 4 screening determination required?

X Yes
☐ No

If Yes, indicate date issued and attach copy __**08EA084, dated December 10, 2009**_

If No, provide written confirmation from NIRB confirming that a screening determination is not required.

The NIRB decision (file 08EA084) regarding screening of the primary undertaking indicated that the project is exempt under NLCA section 12.4.3 (included in DEIS Volume 12, Appendix 3)

9. DESCRIPTION OF UNDERTAKING – List and attach plans and drawings or project proposal.

Sabina sees an opportunity to continue exploration activities in the Back River area and is requesting renewal of the George water licence. Water use from George Lake will be used to supply the existing camp (kitchen, dry, and rocksaw) and from local sources to supply drilling operations. Water would be stored in surge tanks located at each drill and in camp.

This application is requesting to increase the previous allocation to 297m^3/day under NWB License 2BE-GEO1015. Exploration work over the next five years may include:

- Seasonal operation of the existing camp; in general, camp would open in February of each year and close by the end of October.
- Fuel and hazardous materials handling, storage and transportation to support exploration and site preparation activities.
- Transport of fuel and drilling supplies to and from the camp and associated storage and handling.

- Ground and aerial geophysical surveys; geologic mapping and sampling.
- Manual and mechanical testpitting and trenching
- Diamond drill testing of the geophysical targets and step-out drilling on the known deposits.
- As needed operation of temporary camps of up to 20 people to support early season resupply activities and/or exploration located 20km or more from the main camp.
- Water uses in addition to domestic and drill use may include water used, diverted, stored or discharged in activities associated with camp operations and exploration. This may include water crossings, dust management, winter road construction, progressive reclamation activities, collection/diversion around infrastructure.
- Quarry operations and associated ripping and excavation.
- Transport of drilled core to camp for geological logging, sampling and storage.
- Transport of personnel to and from the exiting camp and drill sites with a helicopter.
- Fixed wing planes will provide transport to and from the camp. Helicopters provide access between camp and drill/exploration locations.
- Inspection and reclamation of drill sites upon drill hole completion.
- Camp clean-up and progressive reclamation.

Other activities planned for the camp over the next five years to support site preparation (preconstruction) activities for the Back River Gold Project may include:

- Operate the existing borrow quarry north of camp
- Increase camp capacity to 120 people to support advanced exploration and site preparation (preconstruction) activities
- Increase bulk fuel storage to accommodate up to 5ML of fuel.

Activities will be supported out of the existing camp at George Lake. Daily activities at the camp will consist of regular maintenance of vehicles and facilities, office/administrative tasks, core logging/cutting/sampling, cooking, and other day-to-day type activities. Drilling operations will be helicopter-supported, with supplies stored at George camp. Drill crews will operate on a 24-hour schedule (2 12-hour shifts), and return to George camp at the completion of each shift.

10. **OPTIONS** – Provide a brief explanation of the alternative methods or locations that were considered to carry out the project.

Site selection for the George Site is dictated by the proximity to the mineralized areas, proximity to water, large and stable area to accommodate required infrastructure while minimizing footprint, and avoidance of landscape, environmental and culturally sensitive areas. The renewal/amendments requested does not change the alternative methods and locations considered to carry out the project. The all-weather airstrip and borrow source have been sited based on safety, physical and chemical stability of material and proximity to camp. The proposed laydown/fuel storage areas have been located because of underlying stability of the area.

The Project Development Areas (PDA) have been identified to outline areas for each Project that may be affected by project components and activities over all phases of the Project life. The current footprint within the individual Property PDA are preferred as they are technically feasible, are relatively low cost and are amenable to reclamation.

11. **CLASSIFICATION OF PRIMARY UNDERTAKING -** Indicate the primary classification of undertaking by checking one of the following boxes.

☐ Industrial ☐ Agricultural
X Mining and Milling (includes exploration/drilling/exploration camps)
☐ Conservation

☐ Municipal (includes camps/lodges)
☐ Power
☐ Recreational
☐ Miscellaneous (describe below):

_____

See Schedule II of *Northwest Territories Waters Regulations* for Description of Undertakings.

Information in accordance with applicable Supplemental Information Guidelines (SIG) must be submitted with a New Water Licence Application. Indicate which SIG(s) are applicable to your application.

☐ Hydrostatic Testing
☐ Tannery
☐ Tourist / Remote Camp
☐ Landfarm & On-Site Storage of Hydrocarbon Contaminated Soil
☐ Onshore Oil and Gas Exploration Drilling
■ Mineral Exploration / Remote Camp
■ Advanced Exploration
☐ Mine Development
☐ Municipal
☐ General Water Works
☐ Power

The Supplementary Questionnaire is attached to this application

12. **WATER USE -** Check the appropriate box(s) to indicate the type(s) of water use(s) being applied for.

X To obtain water for camp purposes
☐ To obtain water for industrial purposes
X To cross a watercourse
X To alter the flow of, or store water
X Other: Quarry Operations

X To divert a watercourse (surface run off)
☐ To modify the bed or bank of a watercourse
☐ Flood control

13. **QUANTITY AND QUALITY OF WATER INVOLVED -** For each type of water use indicated in Block 12, provide the source of water, the quality of the water source and available capacity, the estimated quantity to be used in cubic meters per day, method of extraction, as well as the quantities and qualities of water to be returned to source.

Does the proposed amendment change the source of water? ☐ Yes ■ No

Indicate the water source(s). Identify proposed changes.:

Sources remain as George Lake and local lakes in area of drilling, winter roads and temporary camps.

Does the proposed amendment change the quality of the water source and/or its available capacity?

☐ Yes ■ No

Describe the quality of the water source(s) and the available capacity(s). Identify any changes.:

The DEIS (Volume 6) indicates that the maximum water that can be withdrawn from George Lake without incurring is significantly larger than the volume needed to support George exploration and site preparation activities.

Does the proposed amendment change the overall quantity of water to be used?

☐ Yes ■ No

Provide the overall estimated quantity to be used. Identify proposed changes. : 297 m^3/day

Does the proposed amendment change the quantity of water to be used from each source?

☐ Yes ■ No

Provide the estimated quantity(s) of water to be used from each source. Identify proposed changes. :

Exploration use: includes drilling and other uses such as storage, discharge, diversion/collection, water crossings, dust management, winter road/airstrip construction and maintenance 252 m^3/day

Domestic use: Goose camp and temporary camps 45 m^3/day

TOTAL 297 m3/day

Does the proposed amendment change the quantity of water to be used for each purpose?

☐ Yes ■ No

Provide the estimated quantities to be used for each purpose (camp, drilling, etc.). Identify proposed changes.:

Does the proposed amendment change the method(s) of extraction? ☐ Yes ■ No

Describe the method(s) of extraction. Identify proposed changes. : see Volume 12, section 3.5.1 for description of existing extraction methods. No change is proposed

Does the proposed amendment change the quantity(s) of water returned to source(s)?

☐ Yes ■ No

Estimated quantity(s) of water returned to source(s). Identify proposed changes. : _____m^3/day

Does the proposed amendment change the quality(s) of water returned to source(s)?

☐ Yes ■ No

Describe the quality(s) of water(s) returned to source(s). Identify any changes. :

Describe the quality of water(s) returned to source(s): Proposed water quality parameters for release to the environment are:

Parameter	Maximum Concentration of any Grab Sample (µg/L)
Benzene	370
Toluene	2
Ethylbenzene	90
Oil and Grease	5000
pH	6 to 9 (pH units)

14. **WASTE** – Check the appropriate box(s) to indicate the types of waste(s) generated and deposited.

X Sewage
X Solid Waste
X Hazardous
X Bulky Items/Scrap Metal
☐ Animal Waste
X Other describe:
Accumulated water in containment areas, sediment fences, exploration areas (drill locations, trenches), and local areas in camp.

X Waste oil
X Greywater
X Sludges
X Contaminated soil and/or water

15. QUANTITY AND QUALITY OF WASTE INVOLVED – 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
George Property				
Sewage	blackwater	Up to 15,000 m3/yr	Sewage treatment plant	Discharge to tundra and incineration of sludge
	blackwater	Up to 15 Pacto bags (~15kg)/day	Pacto collection system and incineration	Ash drummed and backhauled
Greywater	From kitchen and drys	Up to 30 m3/day	Sump located 31m away from local waterways	
Solid waste	Paper, cardboard, plastic, wood, burlap cloth, fuel or oil soaked absorbent material, untreated paper products, metal waste.	1 tonne/yr/person		Combustible to incinerator Noncombustible transported offsite to licensed treatment/disposal facility
Combustible waste	Paper, cardboard, plastic, wood, burlap cloth, fuel or oil soaked absorbent material, untreated paper products, pacto waste, sewage treatment plant sludge, medical/environmental waste	2.5 kg/person/yr ash generated	Incineration And Open burning of acceptable material (untreated paper products only) generated at the temporary camps or of a size or volume too large for the camp incinerator	Ash drummed and backhauled
Contaminated soils/snow		Unknown		Transported offsite to licensed treatment/disposal facility
Hazardous wastes	Batteries, drilling mud additives, waste oil	Unknown	None	Transported offsite to licensed treatment/disposal facility

16. OTHER AUTHORIZATIONS – In addition to the sub-surface and surface land use authorizations provided in Block 6, indicate any other authorizations required in relation to the proposed undertaking. For each provide the following: See preamble to DEIS Volume 12

Authorization: _____ _____

Administering Agency: _____

Project Activity: _____

Date (expected date) of issuance: _____ Date of expiry: _____

17. PREDICTED ENVIRONMENTAL IMPACTS OF UNDERTAKING AND PROPOSED MITIGATION MEASURES - Describe direct, indirect, and cumulative impacts related to water and waste.

See Volume 12 section 5.0

18. WATER RIGHTS OF EXISTING AND OTHER USERS OF WATER

Provide the names, addresses and nature of use for any known persons or properties that may be adversely affected by the proposed undertaking, including those that hold licences for water use in precedent to the application, domestic users, in-stream users, authorized waste depositors, owners of property, occupiers of property, and/or holders of outfitting concessions, registered trapline holders, and holders of other rights of a similar nature.

Advise the Board if compensation has been paid and/or agreement(s) for compensation have been reached with any existing or other users.

Sabina maintains other water licenses in the area to support mineral exploration activities and associated camp and resupply infrastructure.

19. INUIT WATER RIGHTS

Advise the Board of any substantial affect of the quality, quantity or flow of waters flowing through Inuit Owned Land (IOL), and advise the Board if negotiations have commenced or an agreement to pay compensation for any loss or damage has been reached with one or more Designated Inuit Organization (DIO).

No substantial effect on the quality, quantity or flow of waters flowing through Inuit Owned Land (IOL) identified

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.
No community consultation has been completed specific to this water license renewal and amendment request. Sabina maintains a community and government engagement program to discuss our current exploration programs and the development of the Back River Project. Most of our community discussions on water use and waste deposition have been of a general nature, with potential effects on water quality and quantity and potential accidental spills. In response, Sabina has implemented a Transportation Management Plan and Spill Contingency Plan that incorporate regulatory requirements, best management practices, Traditional Knowledge and community consultation commitments Full Consultation information is provided in DEIS Volume 3

21. SECURITY INFORMATION

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.

The current Abandonment and Restoration Plan for the Goose site is included in Volume 12, section 7.2.

22. FINANCIAL INFORMATION

Provide a statement of financial responsibility.

If the applicant is a business entity, provide a list of the officers of the company.

If the applicant is a business entity attach a copy of the Certificate of Incorporation or evidence of registration of the company name.

The current details are provided in Proponent Information, DEIS Vol 11 - Appendix V11-3

23. STUDIES UNDERTAKEN TO DATE - List and attach copies of studies, reports, research, etc.

Comprehensive baseline studies have been initiated at the Project. Results from this ongoing work will be presented in baseline reports and used in ongoing feasibility studies. Volume 12, section 2.0 provides a listing of studies to date and the location within the DEIS (December 2013).

Under the current water license, Sabina has been in compliance with all the terms and conditions of the license and associated amendments.

24. PROPOSED TIME SCHEDULE – Indicate the proposed start and completion dates for each applicable phase of development (construction, operation, closure, and post closure).
The current license 2BEGEO1015 expires March 31, 2015. Sabina requests that this water license renewal and amendment be issued in advance of that date (November 1, 2014) to allow site preparation and exploration activities to proceed under the terms and conditions of a new license.

Construction
Proposed Start Date: _____ Proposed Completion Date: _____
(month/year) (month/year)

Operation
Proposed Start Date: **Nov 2014**
Proposed Completion Date: **End of exploration program date to be determined**

Closure
Proposed Start Date: **End of exploration program**
Proposed Completion Date: **End of exploration program date**

Post - Closure

Proposed Start Date: **End of exploration program**
Proposed Completion Date: **End of exploration program date to be determined**

For each applicable phase of development indicate which season(s) activities occur.

Construction

☐ Winter ☐ Spring ☐ Summer ☐ Fall **X All season** (depending on program and field conditions)

Operation

☐ Winter ☐ Spring ☐ Summer ☐ Fall **X All season** (depending on program and field conditions)

Closure

☐ Winter ☐ Spring ☐ Summer ☐ Fall **X All season** (depending on program and field conditions)

Post - Closure

☐ Winter ☐ Spring ☐ Summer ☐ Fall **X All season** (depending on program and field conditions)

25. PROPOSED TERM OF LICENCE

Number of years (maximum of 25 years): Five (5) years

Requested Date of Issuance: Nov 2014 (month/year)
Requested Expiry Date: Oct 2019 (month/year)

(The requested date of issuance must be at least three (3) months from the date of application for a type B water licence and at least 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 *Guide 5: Processing Water Licence Applications* for more information)

26. ANNUAL REPORTING – If not using the NWB's *Standardized Form for Annual Reporting*, provide details regarding the content of annual reports and a proposed outline or template of the annual report.

The NWB standard form for annual reporting will be used by Sabina with refinements as determined.

27. CHECKLIST – The following must be included with the application for the water licensing process to begin.

Written confirmation from the NPC confirming that NPC's requirements regarding land use plan conformity have been addressed.

X Yes ☐ No If no, date expected _____

Written confirmation from the NIRB confirming that NIRB's requirements regarding development impact assessment have been addressed.

X Yes ☐ No If no, date expected _____

Completed General Water Licence Application form.

X Yes ☐ No If no, date expected _____

Information addressing Supplemental Information Guideline (SIG) , where applicable (see Block 11)

X Yes ☐ No If no, date expected _____

English Summary of Application.

X Yes ☐ No If no, date expected _____

Inuktitut and/or Inuinnaqtun Summary of Application.

X Yes ☐ No If no, date expected _____

Application Fee of $30.00 CDN (Payee Receiver General for Canada).

☐ Yes ■ No If no, date expected: Jan 10, 2014

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 :Jan 10, 2014

28. SIGNATURE

Matthew Pickard	Vice President, Environment & Sustainability Sabina Gold & Silver Corp.		January 10, 2014
Name (Print)	**Title (Print)**	**Signature**	**Date**

P.O. BOX 119
GJOA HAVEN, NU X0B 1J0
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NUNAVUT WATER BOARD
NUNAVUT IMALIRIYIN KATIMAYINGI
OFFICE DES EAUX DU NUNAVUT

EXPLORATION/ REMOTE CAMP SUPPLEMENTARY QUESTIONNAIRE

Applicant: Sabina Gold & Silver Corp. **Licence No:** _____
(For NWB Use Only)

ADMINISTRATIVE INFORMATION

1. Environment Manager: Cheryl Wray Tel: 604-998-4175 Fax: 604-998-1051

   E-mail: cwray@sabinagoldsilver.com

2. Project Manager: John Laitin Tel: 604-998-4175 Fax: 604-998-1051 E-mail: jlaitin@sabinagoldsilver.com

3. Does the applicant hold the necessary property rights?

Sabina Gold & Silver Corp. acquired a 100% interest in the Back River Properties from Dundee Precious Metals in 2009. Currently operate under water license NWBGOO1015 and NWBGEO1015 for the Goose and George Projects respectively.

4. Is the applicant an 'operator' for another company (i.e., the holder of the property rights)? If so, please provide letter of authorization.
   N/A

5. Duration of the Project

   ☐ One year or less Start and completion dates: _____
   ☒ Multi Year:

   If Multi-Year indicate proposed schedule of on site activities
   Start: November 2014 Completion: October 2019

CAMP CLASSIFICATION

6. Type of Camp

   ☐ Mobile (self-propelled)
   ☒ Temporary
   ☒ Seasonally Occupied: February 1 – Oct 31
   ☒ Permanent
   ☐ Other:_____

7. What is the design, maximum and expected average population of the camp?

The George exploration camp can accommodate a maximum of 60 people, however, the average daily occupancy throughout the season is approximately 40, depending on activity levels, crew rotation and guests/contractors on site.

The George Quarry on the north end of camp was developed in February/March to borrow material for ongoing camp maintenance and helipad construction.

Infrastructure at the George camp includes the following list of buildings and equipment as of September 2013 includes:

	Qty	Item
Buildings	10	14x16' Weatherhaven structures, including sleeping quarters and office
	2	14' x 24' sidewall tents (1 recreation and 1 exercise)
	9	Structures linked together by enclosed corridor and includes sleeping quarters, kitchen, dry, office and generator building
	2	14' x 18' drillers dry/office
	1	12' x 16' storage building
	2	10' x 8' helicopter storage units/office
	2	Core cutting and core logging shack (also connected by enclosed corridor)
	1	Quonset garage
	2	ATCO trailers (converted to dry)
	2	Generators (250 and 300kW)
Other Infrastructure	2	70,000L double walled ULC approved envirotanks
	1	Lined, bermed area for fuel supplies
	1	Esker airstrip
	1	Solid waste laydown area
	1	Incinerator (1 building + incinerator)
Equipment	1	IT28G Loader + accessories
	2	277 Caterpillar Skidsteer
	1	Drum crusher (not set up)
	4	14,000L fuel sleighs (some tanks separated from sleighs)
	2	ATVs
	5	Snowmobiles (functional)
	1	D6 Caterpillar Dozer

The final inventory of fuel and drilling supplies remaining in the camp at closure includes:

- Diesel – 61 full drums in secondary containment and 76,339 litres of bulk diesel contained in the Envirotanks within tertiary containment.
- Jet A – 26 drums in secondary containment.
- Gasoline – 12 drums in secondary containment.
- Propane – 9 x 250lb and 9 x 25lb cylinders.
- CaCl drilling salt – 2,538 bags.
- Core trays – 60 NQ trays.

No new infrastructure was added to the George camp in 2013. However, to support additional drilling and exploration work in the area, camp will need to expand to accommodate similar level of personnel as Goose camp. During the 2014 to 2016 period it is anticipated that the George camp will increase to 120 personnel. Additional bulk fuel storage is also required to support ongoing advanced exploration work and site preparation activities. Fuel storage will increase up to 5ML.

The temporary camps established as part of exploration and resupply at distances beyond 15km of the existing camps, accommodate up to 25 people with an average capacity of 20 people. The description of the camp facilities are a general model that would be used at each location with operational needs and environmental conditions

determining the actual camp layout to be used. The following Table provides a general list of camp structures that may be needed for the temporary camps.

Function	Tents
Kitchen	1 large tent
Drillers dry	1 large tent
Tool shed / work shop	1 small tent
Pacto shed	1 small tent
Project office (contains a 20 litre spill response kit)	1 large tent
Generator (contains a 205 litre spill response kit)	1 large tent
Drill Supplies	Outside storage in containers as needed
sleeping quarters	4 to 6 tents

Detailed description of camp location, facilities, and time period used will be provided in the annual report.

8. Provide history of the site if it has been used in the past.

Exploration for precious metals has occurred in this area of the Kitikmeot Region since the 1980's under various operators, including Back River Joint Venture, Homestake, Araurco, Kit Resources, Kinross, Miramar, and Dundee Precious Metals. Sabina acquired the Back River Properties in 2009 and has used it every year since that time to support ongoing exploration and baseline data collection.

CAMP LOCATION

9. Please describe proposed camp location in relation to biogeographical and geomorphological features, and water bodies.

The George camp is located approximately 520km northeast of the city of Yellowknife and 100km south of the hamlet of Bathurst Inlet. The camp is situated on the southern shore of George Lake, approximately 40km north of Beechey Lake (a part of the Back River).

The current George camp is located on the western shore of George Lake. It is situated on a bedrock ridge and unconsolidated material derived from a northwest-trending esker which runs for several kilometers in the area. In the area of the camp, the esker surface has been prepared for use as an airstrip.

Currently, Sabina holds water licenses for two camps in the Kitikmeot Region –Goose and George. These licenses include the exploration activities such as drilling, geophysical surveys and field programs and the operation of camps to support these activities. The purpose of this application is to renew and amend the existing water license.

The climate, soils and vegetation of the camp area are arctic in character. Plant cover is characteristic of the Arctic Tundra community. Shrubs are found sparsely distributed on the mesic sites near the rivers and lakes. On the interfluves are found low-growing perennials; grasses and sedges and some flowering species. The eskers support very little actual plant cover.

In general, lakes in the area contain extremely clear, low nutrient, low metal water, indicative of pristine high Arctic lakes. Most lakes have near-neutral waters, with very low hardness and alkalinity. However, naturally high metal concentrations are present in some lakes, indicating their proximity to surface mineralized areas.

The area is in a zone of continuous permafrost. The active layer through the Project area ranges from approximately 1 to 2 m, but may be greater in areas where there is loose, sandy soil at the edges of lakes or ponds. Talik features are potentially present in the area under larger lakes. The depth of permafrost in the region is on the order of 500 metres. Permafrost greatly increases ground stability at depth but at surface it can increase the rates of soil erosion through the formation of ice wedges, pingos, palsas, ice lenses, and thermokarst. Esker systems are noted in the area.

Several observations of caribou have been noted in the area during previous exploration programs. These are typically single or small groups of transitory animals; calving areas for the Bathurst herd are known to exist several hundred kilometers to the north of the area (west of Bathurst Inlet) and the Ahiak herd are known to calve east of Bathurst Inlet in the Queen Maud Gulf area. Other wildlife noted in the area include muskox, wolves and grizzly bears.

The current scope of work for these camps is relatively low impact and easily mitigated. Any potentially harmful impacts can be mitigated with best management practices such as the use of drip trays, secondary containment, avoiding groups of animals, keeping an appropriate distance from water bodies, general good housekeeping and ensuring safe work conditions and practices.

10. How was the location of the camp selected? Was the site previously used? Was assistance from the Regional Inuit Association Land Manager sought? Include maps and/or aerial photographs.

The George camp has been in existence since approximately 1987 and has grown with the project over time. Site selection was likely based on proximity to both the mineral occurrences in the area and to George Lake as a water supply and aircraft access. As the site was established prior to the formation of the Territory of Nunavut, it is assumed that there was no assistance from the RIA Land Manager.

Possible locations for the temporary camps are identified at the moment include Bathurst Inlet, Del Lake, Lake on Boot Property and Split Lake areas. Other locations may be identified through on-going exploration activities and operational needs. These locations are tentatively made because of their location to potential exploration targets and the lakes are large enough that they may accommodate ice airstrip construction.

11. Is the camp or any aspect of the project located on:

[X] Crown Lands Permit Number (s)/Expiry Date: October 16, 2014
Land Use Permit N2010C016

[ ] Commissioners Lands
Permit Number (s)/Expiry Date: _____N/A_____

[X] Inuit Owned Lands Permit Number (s)/Expiry Date: December 13, 2014
License No. KTL304C017 (Goose), KTL304C018 (George), KTL204C012 (Boulder Lake), and KTL204C020 (Boot Lake)

12. Closest Communities (direction and distance in km):

The George camp is located approximately 520 km northeast of the city of Yellowknife and 100 km south of the hamlet of Bathurst Inlet. The camp is situated on the southern shore of George Lake, approximately 40 km north of Beechy Lake (a part of the Back River).

13. Has the proponent notified and consulted the nearby communities and potentially interested parties about the proposed work?

No community consultation has been completed specific to this water license renewal and amendment request. Sabina maintains a community and government engagement program to discuss our current exploration programs and the development of the Back River Project. Most of our community discussions on water use and waste deposition have been of a general nature, with potential effects on water quality and quantity and potential accidental spills. In response, Sabina has implemented a Transportation Management Plan and Spill Contingency Plan that incorporate regulatory requirements, best management practices, Traditional Knowledge and community consultation commitments Full Consultation information is provided in DEIS Volume 3

14. Will the project have impacts on traditional water use areas used by the nearby communities? Will the project have impacts on local fish and wildlife habitats?

The project is expected to have no impact on traditional water use areas by nearby communities during the planned exploration season. Drilling activities take place over a very restricted area, typically 100m^2 or less. Precautions are taken to minimize impact on the local environment, and best management practices are employed to handle waste and cuttings. Should any concerns arise over traditional water use areas, Sabina will work with the affected parties to address them.

The project is expected to have no or minimal impact on local fish and wildlife habitat. Encounters with wildlife will be kept to a minimum through a policy of camp and work site cleanliness, no hunting or fishing from camp except with a valid permit from the Government of Nunavut, and no feeding of the animals. Hand-held air horns will be available to warn off bears and, if necessary, pepper spray will be used for self protection rather than firearms. Camp personnel will be encouraged to report wildlife encounters and record the location any critical wildlife habitat that may be discovered, such as dens or nesting or spawning sites so as to avoid them in the future.

PURPOSE OF THE CAMP

15.
- [X] Mining (includes exploration drilling)
- [ ] Tourism (hunting, fishing, wildlife observation, adventure/expedition, etc.) (Omit questions # 16 to 21)
- [ ] Other

16. Activities (check all applicable)
- [ ] Preliminary site visit
- [X] Prospecting
- [X] Geological mapping
- [X] Geophysical survey
- [X] Diamond drilling
- [ ] Reverse circulation drilling
- [ ] Evaluation Drilling/Bulk Sampling (also complete separate questionnaire)
- [ ] Other:

17. Type of deposit (exploration focus):

- [X] Lead, Zinc
- [ ] Diamond
- [X] Gold
- [ ] Uranium
- [X] Other: Copper, Silver

DRILLING INFORMATION

18. Drilling Activities
    - [X] Land Based drilling
    - [X] Drilling on ice

19. Describe what will be done with drill cuttings?

Sludge from the drills is currently captured using the megabag system and deposited in a dedicated sump at the George camp or a natural depression in the vicinity of drilling may be used for disposal of the cuttings in lieu of transporting them for extended distances by helicopter back to George camp. Doing so will reduce both the costs of the operation as well as the risk of a spill by transporting the cuttings over such a long distance.

20. Describe what will be done with drill water?

Water from the drill will be recycled to minimize the quantity used, and allowed to freeze in the hole upon completion of the drilling. Experience in this region indicates that freezing of the hole takes place in a timeframe ranging from hours to days. Clarified water drains through the megabag and is allowed to disperse on the tundra (directed away from any surface water body) where it percolates into the ground and returns to the local watershed.

21. List the brand names and constituents of the drill additives to be used? Includes MSDS sheets and provide confirmation that the additives are non-toxic and biodegradable.

Available upon request and also available at various locations including the drill/equipment maintenance shops, Site Superintendent office and environment office

22. Will any core testing be done on site? Describe.

Core will be taken to George camp to be logged and with intervals of potential economic interest sampled by sawing the core in half. Half of the core will remain in the core box for archiving and the other half will be bagged and shipped for analysis at laboratories in any of Vancouver, Saskatoon, Ancaster, or elsewhere as deemed appropriate. Point load testing (hardness), magnetic susceptibility, and oriented core testing (orientation of sub-surface rocks in 3D space) may also be completed at the core logging facilities at George camp.

SPILL CONTINGENCY PLANNING

23. The proponent is required to have a site specific Spill Contingency Plan prepared and submitted with the application This Plan should be prepared in accordance with the *NWT Environmental Protection Act, Spill Contingency Planning and Reporting Regulations, July 22, 1998* and *A Guide to the Spill Contingency Planning and Reporting Regulations, June 2002*. Please include for review.

The current Spill Contingency Plan is located in Vol 12, section 6.2

24. How many spill kits will be on site and where will they be located?

There will be 1 spill kit located with each drill. Numerous spill kits will be located throughout the camp as outlined in the Spill Contingency Plan. At a minimum, spill kits will be located adjacent to areas where fuel or other hydrocarbons are involved (i.e. tank farm, helipads, generator shack, incinerator, dock, drummed fuel storage).

25. Please describe the types, quantities, and method of storage of fuel and chemicals on site, and provide MSDS sheets.

Diesel fuel will be stored at the George camp in the double-walled Envirotanks located within the lined, bermed tank farm. There are a total of 2 tanks with a capacity of 75,000 L each.

Drummed fuel on site will primarily consist of Jet A and/or Jet B. Drums will be stored on their sides within artificial berms with bungs horizontal. Quantities are highly variable, with the greatest amount of fuel on site during the resupply period at the start of the season. Depending on the scope of the exploration program, quantities sufficient for up to 1500 hours of flying may be required. This amount translates into approximately 1500 drums. Lesser amounts of diesel, gasoline and avgas may also be stored on site in a similar manner. Quantities of these fuels will also vary with program requirements (if needed at all in any given year), but are not anticipated to exceed 100 drums of each with the current scope of work.

Diesel fuel will be stored in 205L drums and in small double-walled fuel cells at each drill site. Quantities will be dynamic, but should not exceed 4-6 full drums at a time. All drums will be stored in artificial berms.

Fuel caches of Jet-A and/or Jet-B for the helicopters may be located throughout the area. As per licensing regulations, quantities will not exceed 4000L, and will consist of 205L drums contained within artificial berms, where practical. In 2008, serious human safety hazards were identified with using these berms at remote locations in the winter, as the plastic becomes extremely slippery and may result in a lone pilot becoming seriously or critically injured in the field and unable to call for or receive help in a reasonable time. As federally regulated transport professionals, pilots are well-trained in safe fuel handling procedures and it is felt that the risk of serious personal injury presented by a slippery berm is significantly greater than the risk of a fuel spill during the relatively short period of time any given drum will be stored on site. It is also felt that snow acts as an effective absorbent and barrier to all but the largest spills (which can be avoided with safe, diligent handling procedures); minor spills can be cleared away with no impact to the actual ground. As a best management practice, these caches will be documented and reported to the AANDC and KIA Lands Inspectors.

A variety of substances are used in the day to day operation of the camp. Hydraulic fluid, motor oil and various lubricants are required for maintenance of vehicles and heavy equipment on site. These materials are currently stored in dedicated storage areas which has been fitted with plastic sheeting and enviromat in the floor to serve as a secondary containment facility.

Chemicals used during drilling activities include calcium chloride (salt) used to prevent freezing of the water in the hole, Visco which is used as a lubricant in the hole, linseed soap for cleaning of drill string components, and heavy grease to prevent seizure of drill rods to each other. Salt will be stored in instaberms or other secondary containment as appropriate, while the other materials are stored within the drillers' sea-cans located on site. Small quantities of each material are also located with each drill.

A number of products are used for cleaning and personal hygiene throughout the camp such as dish soap, laundry detergent, shampoo, and household cleaner. These materials are stored throughout the camp where needed, and are in containers typically not exceeding 1 L in volume. As such, any spill will be contained simply by the building within which the spill occurs and can be readily cleaned up, eliminating the need for any special storage requirements. The actual products may change depending on availability.

WATER SUPPLY AND TREATMENT

26. Describe the location of water sources.

The licence currently allows for water use from George Lake for camp use and "unnamed lakes in the vicinity of drilling operations". At George camp, the water source is adjacent to the dock, approximately 30 feet offshore in 6-8 feet of water.

Drilling operations may occur anywhere within the claim groups identified on the map included with this application and are subject to change according to exploration priorities from year to year. Sabina will endeavour to keep the appropriate authorities informed as to exploration plans. Water sources will consist of lakes within the vicinity of the drills, which will allow for flexible exploration planning as well as help to prevent frequent freezing of water lines during winter operations.

27. Estimated water use (in cubic metres/day):

Exploration use: includes drilling and other uses such as storage, discharge, diversion/collection, water crossings, dust management, winter road/airstrip construction and maintenance with source being lakes proximal to the exploration activities = 252 m^3/day

Domestic use: George camp and temporary camps with source being George and proximal to temporary camp location = 45 m^3/day

TOTAL 297 m3/day

28. Describe water intake for camp operations? Is the water intake equipped with a mesh screen to prevent entrapment of fish? (see *DFO 1995, Freshwater Intake End-of-Pipe Fish Screen Guideline*) Describe:

The water intake is located adjacent to the dock at the George camp. It is equipped with a screen to prevent entrapment of fish.

29. Will drinking water quality be monitored? What parameters will be analyzed and at what frequency?

Drinking water samples are collected weekly and submitted to Stanton Hospital for testing for pathogens (E. Coli.).

30. Will drinking water be treated? How?

Drinking water is pumped into a holding pool located in a heated shed adjacent to the kitchen and dry facility. Any larger particles will settle to the bottom of the pool. Filtration is then used to remove smaller suspended material. Final treatment consists of UV and chlorination.

31. Will water be stored on site?

The holding pool for camp water will store up to 11 m³ of water. The pool is normally filled on a daily basis (sometimes every other day), though the entire tank is not usually drawn down.

Up to 5 m³ will be stored in a plastic tank in the core processing facility at George camp for on-demand use with the core splitting saws. Refilling of this tank is anticipated to occur once every few days when the saws are in use.

Small volumes (up to 500 L) will be temporarily stored at the drill site should additional water be required during the drilling operations.

WASTE TREATMENT AND DISPOSAL

32. Describe the characteristics, quantities, treatment and disposal methods for:
See DEIS Vol 12, section 4.1.12 and 4.1.13 and below for details on the existing waste treatment and disposal

✓ Camp Sewage (blackwater)
Pacto toilets are used for collection of human waste. The bags are collected daily and disposed of in the camp incinerator.

✓ Camp Greywater
Greywater (kitchen, showers, sinks, laundry) is plumbed to a main line which drains in the area behind the camp away from George Lake. To the extent possible, a sump has been constructed, however due to the shallow depth of overburden over bedrock and the shallow depth to permafrost, the drainage area has been lined with rocks and gravel to dissipate the outflow of greywater and prevent erosion of surficial materials. Outflow of greywater is not metered, however as with a typical municipal water bill the majority of the usage can reasonably be assumed to be discharged (shower, laundry, dishes, etc.).

✓ Solid Waste
The disposal method for burnable solid waste such as paper, cardboard, plastic, wood, burlap cloth, fuel or oil-soaked absorbent material, semi-solid waste from Pacto toilets and food preparation waste would be by burning in the camp incinerator. Any remaining ashes and unburned residue would be collected in cleaned 205 L drums, sealed for transport, and flown out for disposal at a suitable waste management facility.

✓ Bulky Items/Scrap Metal
Empty drums are drained of residual fuel, crushed and strapped together for removal to Yellowknife and subsequent disposal at an approved facility or recycling as scrap metal. Larger items are packaged either in empty drums or on pallets and removed to Yellowknife for disposal at an appropriate facility, landfill or for recycling.

✓ Waste Oil/Hazardous Waste
Waste oil and residual fuel is diluted with diesel and burned in the new waste oil furnace installed to provide heat for the Quonset.

Hazardous waste (as outlined in the Government of Nunavut Environmental Guideline
For General Management of Hazardous Waste) will be packaged appropriately, labeled, and backhauled to Yellowknife for disposal at an appropriate facility.

✓ Empty Barrels/Fuel Drums
Empty drums are drained of residual fuel (stored for use in the waste oil furnace), crushed and strapped together for removal to Yellowknife and subsequent disposal at an approved facility or recycling as scrap metal.

☐ Other:

33. Please describe incineration system if used on site. What types of wastes will be incinerated?

A forced air – dual stage, diesel fueled incinerator system is used on site. Burnable solid waste such as paper, cardboard, plastic, wood, burlap cloth, fuel or oil soaked absorbent material, semi-solid waste from Pacto toilets and food preparation waste would is disposed of by burning in the incinerator.

34. Where and how will non-combustible waste be disposed of? If in a municipality in Nunavut, has authorization been granted?

Any remaining ashes and unburned residue from the incinerator are flown out for disposal or recycling at the Yellowknife landfill site. Drums of mixed hydrocarbons and water have also been trucked to a waste recycling and treatment site near Edmonton Alberta. Aluminum pop cans, and non-dairy, food grade plastic containers are

collected and shipped to Yellowknife for recycling. Remaining non-combustible waste is bagged and shipped to the municipal landfill in Yellowknife.

35. Describe location (relative to water bodies and camp facilities) dimensions and volume, and freeboard for all sumps (if applicable).

If necessary, sumps for use at the various drill sites or at the camp will be located at least 31 m back from any body of water and in a location chosen to enhance infiltration and filtering of the drill return water or camp grey water. Sumps would be chosen or constructed to have dimensions of approximately 0.38 x 2 x 2 m and would have approximately 1.5 m³ capacity. The amount of freeboard would be monitored during use and if the sump was filling up a larger sump would be constructed to contain the excess or the excess is shoveled into a megabag and moved to a more suitable location with the helicopter.

Geo-textile cloth fences are constructed on the downhill side of all new drill setups, as well as below the camp sump and dry(s) and the core cutting facility..

36. Will leachate monitoring be done? What parameters will be sampled and analyzed, and at what frequency?

NA for this application.

OPERATION AND MAINTENANCE

37. Have the water supply and waste treatment and disposal methods been used and proven in cold climate? What known O&M problems may occur? What contingency plans are in place?

The water supply system for the drills has been tested on prior work sites in Nunavut. If a coil stove water heater fails and the water lines freeze the frozen hose can be gathered up and thawed out in the drill shack. Water lines throughout camp (including greywater discharge) are either run through heated buildings or lines with heat trace to prevent freezing during winter conditions. A second generator is located in camp as a back-up power supply in the event that the main generator fails. Pacto-type toilets will avoid the need for a water-based sewage system. In the event that the incinerator fails, burnable waste, including the Pacto bags, can be burned in the old forced air incinerator with any unburned residue flown out to Yellowknife for disposal or all the waste can be flown out to Yellowknife until the incinerator is repaired. Any needed repairs or maintenance can be quickly accessed using the satellite telephone system or internet in camp, supplemented by a battery powered hand-held satellite telephone system.

ABANDONMENT AND RESTORATION

38. Provide a detailed description of progressive and final abandonment and restoration activities at the site.

The most recently amended Abandonment and Restoration Plan included in Volume 12, section 7.2

BASELINE DATA

39. Has or will any baseline information be collected as part of this project? Provide bibliography.

- **X** Physical Environment (Landscape and Terrain, Air, Water, etc.)
- **X** Biological Environment (Vegetation, Wildlife, Birds, Fish and Other Aquatic Organisms, etc.)
- **X** Socio-Economic Environment (Archaeology, Land and Resources Use,
- **X** Demographics, Social and Culture Patterns, etc.)

☐ Other: _____

REGULATORY INFORMATION

40. At a minimum, you should ensure you have a copy of and consult the documents below for compliance with existing regulatory requirements:

- ✓ ARTICLE 13 – *NCLA -Nunavut Land Claims Agreement*
- ✓ NWNSRTA – *The Nunavut Waters and Nunavut Surface Rights Tribunal Act, 2002*
- ✓ *Northwest Territories Waters Regulations, 1993*
- ✓ NWB - Water Licensing in Nunavut - Interim Procedures and Information Guide for Applicants
- ✓ NWB - Interim Rules of Practice and Procedure for Public Hearings
- ✓ RWED – *Environmental Protection Act, R-068-93- Spill Contingency Planning and Reporting Regulations, 1993*
- ✓ RWED A Guide to the Spill Contingency Planning and Reporting Regulations, 2002
- ✓ NWTWB - Guidelines for Contingency Planning
- ✓ *Canadian Environmental Protection Act, 1999 (CEPA)*
- ✓ *Fisheries Act, RS 1985* - s.34, 35, 36 and 37
- ✓ DFO - Freshwater Intake End of Pipe Fish Screen Guideline
- ✓ NWTWB - Guidelines for the Discharge of Treated Municipal Wastewater in the NWT
- ✓ Canadian Council for Ministers of the Environment (CCME); Canadian Drinking Water Quality Guidelines, 1987
- ✓ Public Health Act - Camp Sanitation Regulations
- ✓ Public Health Act - Water Supply Regulations
- ✓ *Territorial Lands Act* and *Territorial Land Use Regulations*; Updated 2000

Appendix V12-2C

NWB New Type B Application for Marine Laydown Area and Winter Road

Rescan™
an ERM company

P.O. Box 119
Gjoa Haven, NU X0B 1J0
Tel: (867) 360-6338
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NUNAVUT WATER BOARD
NUNAVUT IMALIRIYIN KATIMAYIT
OFFICE DES EAUX DU NUNAVUT

GENERAL WATER LICENCE APPLICATION
(APPLICATION FOR NEW WATER LICENCE)

The applicant is referred to the NWB's Guide 4: *Guide to Completing and Submitting a Water Licence Application for a New Licence* for more information about this application form.

LICENCE NO:
(for NWB use only)

1. APPLICANT (PROPOSED LICENSEE) CONTACT INFORMATION (name, address)

Sabina Gold & Silver Corp.
202 - 930 West First Street
North Vancouver, BC
V7P 3N4

Contact: Matthew Pickard, VP Environment & Sustainability

Phone: ___604-998-4175_____
Fax: ___604-998-1051_____
e-mail: ___mpickard@sabinagoldsilver.com_

2. APPLICANT REPRESENTATIVE CONTACT INFORMATION if different from Block 1 (name, address)

Same as Block 1

Phone: _____
Fax: _____
e-mail: _____
(Attach authorization letter.)

3. NAME OF PROJECT (including the name of the project location)

Stage 1 of the annual winter road construction for Sabina's Back River Gold Project

4. LOCATION OF UNDERTAKING

Project Extents

Stage 1 of the annual winter road construction extends from the Marine Laydown Area (MLA) to the Stage 1-2 Junction (Figure 1).

Marine Laydown Area Location

Latitude: (66°38'44.63" N) Longitude: (107°40'32.77" W)

Stage 1-2 Junction Location

Latitude: (66°14'27.96" N) Longitude: (107°10'19.66"W)

5. MAP - Attach a topographical map, indicating the main components of the undertaking.

NTS Map Sheet No.: 076J/05, 076J/06, 076J/07, 076J/11, 076J/12 Map Name: -
Map Scale: 1:650,000

Volume 12, Figure 2.1-2 shows the overall alignment and footprint of the annual winter road route from the Marine Laydown Area in southern Bathurst Inlet south to the George Property Area and Goose Property Area. Figure 2.1-1 shows the site layout and location for the Marine Laydown Area.

Stage 1 of the winter road extends from the Marine Laydown Area south halfway towards the George North junction. The width of the winter road varies from 10m wide when developed over land, and 30m wide when developed over water.

6. NATURE OF INTEREST IN THE LAND - 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: _____ Date of expiry: _____

X Mineral Lease from Indian and Northern Affairs Canada (INAC)
Date (expected date) of issuance: Varies_____ Date of expiry: Varies_____

Surface

X Crown Land Use Authorization from Indian and Northern Affairs Canada (INAC)

Date (expected date) of issuance: 2010-10-31 ___ Date of expiry: 2014-10-31_____

X Inuit Owned Land (IOL) Authorization from Kitikmeot Inuit Association (KIA)

Date (expected date) of issuance: 2012-12-12 Date of expiry:2013-12-13 (renewal pending)

☐ 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: _____

Name of entity(s) holding authorizations:

Sabina Gold & Silver Corp.

Volume 12, section 3.3 lists all of the Sub-surface and Surface tenures currently held by Sabina and the current list of permits, licenses and authorizations

7. NUNAVUT PLANNING COMMISSION (NPC) DETERMINATION

Indicate the land use planning area in which the project is located.

☐ North Baffin
☐ South Baffin
☐ Akunniq
☐ Keewatin
☐ Sanikiluaq
X West Kitikmeot

Is a land use plan conformity determination required?

☐ Yes ■ No

If Yes, indicate date issued and attach copy

If No, provide written confirmation from NPC confirming that a land use plan conformity review is not required.

NPC conformity review is not required (NIRB, Notice of Decision December 17, 2012, File 12MN036). NPC has indicated in previous applications and amendment requests that there is not an approved land use plan for the West Kitikmeot Region and conformity is not required; email dated January 8, 2010 available upon request.

8. NUNAVUT IMPACT REVIEW BOARD (NIRB) DETERMINATION

Is an Article 12 Part 4 screening determination required?

X Yes ☐ No

If Yes, indicate date issued and attach copy **09RN066, dated November 30, 2009**

The NIRB decision (file 09RN066) regarding screening of the primary undertaking indicated that the project is exempt under NLCA section 12.4.3 (included in DEIS Volume 12, Appendix 3)

If No, provide written confirmation from NIRB confirming that a screening determination is not required.

9. DESCRIPTION OF UNDERTAKING – List and attach plans and drawings or project proposal.

The undertaking includes the site preparation (pre-construction) of the Marine Laydown Area and the site preparation (pre-construction) of Stage 1 of the annual winter road network for the Back River Project. The Marine Laydown Area will be developed as a staging area for equipment, material, fuel and supplies required for the operation of the Project and will be constructed in Year-4 of site preparation (pre-construction).

The winter road network will be used to provide supplies to the George and Goose Properties from the Marine Laydown Area and crosses both IOL and Crown land. The total length of winter road construction is approximately 180km. It is to be constructed approximately 45% over land and 55% over water, and varies in width from 10m wide over land and 30 m wide over water. Construction will take approximately 60 days to complete followed by a 75 day operational use period.

The Winter Road connecting Marine Laydown Area to Back River Goose Property is ~160 km in length. The period of use will be January to March annually to transport fuel, equipment and supplies from the Marine Laydown Area to George or Goose Property.

A camp will be constructed for up to 50 people initially and up to 100 persons during construction;

potable water for the camp will be obtained from the Arctic Ocean at Bathurst Inlet and treated using a desalination plant.

The length of Stage 1 of the annual winter road is 52km and starts at the Marine Laydown Area to halfway to the George intersection.

10. **OPTIONS** – Provide a brief explanation of the alternative methods or locations that were considered to carry out the project.

Site selection for the Marine Laydown Area and winter road was dictated by proximity to Bathurst Inlet, winter road routing, proximity to water, a large and stable area needed to accommodate required infrastructure while minimizing footprint, and avoidance of landscape, environmental and culturally sensitive areas.

The Project Development Areas (PDA) has been identified to outline areas for each Project that may be affected by project components and activities over all phases of the Project life. The current footprint within the individual Property PDA are preferred as they are technically feasible, are relatively low cost and are amenable to reclamation.

11. **CLASSIFICATION OF PRIMARY UNDERTAKING -** Indicate the primary classification of undertaking by checking one of the following boxes.

☐ Industrial
☐ Agricultural
X Mining and Milling (includes exploration/drilling/exploration camps)
☐ Conservation
☐ Municipal (includes camps/lodges)
☐ Recreational
☐ Power
☐ Miscellaneous (describe below):

_____

See Schedule II of *Northwest Territories Waters Regulations* for Description of Undertakings.

Information in accordance with applicable Supplemental Information Guidelines (SIG) must be submitted with a New Water Licence Application. Indicate which SIG(s) are applicable to your application.

☐ Hydrostatic Testing
☐ Tannery
☐ Tourist / Remote Camp
☐ Landfarm & On-Site Storage of Hydrocarbon Contaminated Soil
☐ Onshore Oil and Gas Exploration Drilling
■ Mineral Exploration / Remote Camp
☐ Advanced Exploration
☐ Mine Development
☐ Municipal
☐ General Water Works
☐ Power

12. **WATER USE -** Check the appropriate box(s) to indicate the type(s) of water use(s) being applied for.

X To obtain water for camp purposes
☐ To obtain water for industrial purposes
☐ To divert a watercourse
X To cross a watercourse
☐ To modify the bed or bank of a watercourse
☐ To alter the flow of, or store water
☐ Flood control
X Other: To construct and maintain a winter ice road

13. QUANTITY AND QUALITY OF WATER INVOLVED - For each type of water use indicated in Block 12, provide the source of water, the quality of the water source and available capacity, the estimated quantity to be used in cubic meters per day, method of extraction, as well as the quantities and qualities of water to be returned to source.

Name of water source(s) (show location(s) on map):

Potential Fresh Water Sources are located on DEIS Volume 12, Figure 2.1-3 and include for the Marine Laydown Area and Stage 1 of the winter road:
Bathurst Lake
Lake N
Lake O

Marine Water: Bathurst Inlet

Describe the quality of the water source(s) and the available capacity:
Fresh water: DEIS, Volume 6 presents baseline water quality of the Project

Marine Water: DEIS; Volume 7 presents baseline water quality of the Project

Provide the overall estimated quantity of water to be used: 250 m^3/day
Provide the estimated quantity(s) of water to be used from each source:
Indicate the estimated quantities to be used for each purpose (camp, drilling, etc.)
The expected water use for the construction and maintenance of the winter roads is estimated to be up to 121,500 m^3 every year to construct and maintain of which approximately 35,000 m3 will be used on Stage 1 of the winter road. The volume used will depend on environmental conditions and operational needs. Water will be drawn from various sources along the alignment of the winter road. Sabina will adhere to the DFO Operational Statements on Mineral Exploration, Culvert Maintenance, Ice Bridges and Snow Fills as well as DFO Under-Ice Water Withdrawal Protocol for the withdrawal of water.

A desalination plant will provide water to the Marine Laydown Area at a rate of 50 m^3/day to include 30 m^3/day for domestic use and 20 m^3/day industrial use (maintenance facilities, vehicle wash, dust management). The volume of water pumped from the Arctic Ocean is not part of the calculation of total water use for this water license.

Describe the method of extraction(s):

Water intake will be designed in accordance with DFO guidelines for water intakes.

Estimated quantity(s) of water returned to source(s) __

Freshwater used for winter road construction will melt and return to watersources as surface water runoff

Describe the quality of water(s) returned to source(s): _

There should be minimal effects to the quality of water returned to the source. The domestic water supply from MLA camp will be treated and disinfected. The treatment plant will consist of a sand filtration unit followed by UV disinfection.
Industrial water used in maintenance shops or wash down of vehicles will be collected, treated for suspended solids and hydrocarbon removal and recycled. It is expected that effluent discharge from the maintenance facilities and vehicle wash stations will be sporadic and that make-up water will be required on an ongoing basis.

Water used for construction of the annual winter road will melt and be returned to the natural environment as drainage. No change to water quality is expected. Only freshwater will be used for the winter road construction to ensure no issues related to salt concentrations.

14. **WASTE** – Check the appropriate box(s) to indicate the types of waste(s) generated and deposited.

X Sewage
X Solid Waste
X Hazardous
X Bulky Items/Scrap Metal
☐ Animal Waste
☐ Other (describe): _____

X Waste oil
X Greywater
X Sludges
X Contaminated soil and/or water

15. **QUANTITY AND QUALITY OF WASTE INVOLVED** – For each type of waste indicated in Block 14, describe its composition, quantity in cubic meters/day, method of treatment and method of disposal. refer to Waste management Plans in DEIS Volume 10).

Type of Waste	Composition	Quantity Generated	Treatment Method	Disposal Method
Marine Laydown Area				
Sewage and waste water	Refer to Chapter V10-10	5,540 m^3/yr	Sewage treatment plant	Discharge to tundra
Solid waste	Refer to Chapter V10-10	1 tonne/yr/person	None	Combustible to incinerator Noncombustible either transported offsite to licensed treatment/disposal facility or to landfill area
Combustible waste	Refer to Chapter V10-10 and V10-11	2.5 kg/person/yr ash generated	Incineration	Ash to landfill
Contaminated soils/snow	Refer to Chapter V10-12	Unknown	Landfarm	Sludge to landfill
Hazardous wastes	Refer to Chapter V10-12	Unknown	None	Transported offsite to licensed treatment/disposal facility

1. **OTHER AUTHORIZATIONS** – In addition to the sub-surface and surface land use authorizations provided in Block 6, indicate any other authorizations required in relation to the proposed undertaking. For each provide the following: See preamble to DEIS Volume 12

Authorization: _____

Administering Agency: _____

Project Activity: _____

Date (expected date) of issuance: _____ Date of expiry: _____

16. PREDICTED ENVIRONMENTAL IMPACTS OF UNDERTAKING AND PROPOSED MITIGATION MEASURES - Describe direct, indirect, and cumulative impacts related to water and waste.

See Volume 12, section 5.0

17. WATER RIGHTS OF EXISTING AND OTHER USERS OF WATER

Provide the names, addresses and nature of use for any known persons or properties that may be adversely affected by the proposed undertaking, including those that hold licences for water use in precedent to the application, domestic users, in-stream users, authorized waste depositors, owners of property, occupiers of property, and/or holders of outfitting concessions, registered trapline holders, and holders of other rights of a similar nature.

Advise the Board if compensation has been paid and/or agreement(s) for compensation have been reached with any existing or other users.

Sabina maintains other water licenses in the area to support mineral exploration activities and associated camp and resupply infrastructure. Land use and cultural baseline studies indicates that the area is frequented by local users although no permanent camps or outposts are located in the area.

18. INUIT WATER RIGHTS

Advise the Board of any substantial affect of the quality, quantity or flow of waters flowing through Inuit Owned Land (IOL), and advise the Board if negotiations have commenced or an agreement to pay compensation for any loss or damage has been reached with one or more Designated Inuit Organization (DIO).

No substantial effect on the quality, quantity or flow of waters flowing through Inuit Owned Land (IOL) identified

19. CONSULTATION – Provide a summary of any consultation meetings including when the meetings were held, where and with whom. Include a list of concerns expressed and measures to address concerns.

Sabina maintains a community and government engagement program to discuss our current exploration programs and the development of the Back River Project. Most of our community discussions on roads have been of a general nature, with potential effects on wildlife (e.g. caribou) and potential accidental spills being dominant themes. In response, Sabina has implemented a

Transportation Management Plan, Spill Contingency Plan and other Environmental Management Plans that incorporate regulatory requirements, best management practices, Traditional Knowledge and community consultation commitments

Details of the consultation is provided in DEIS Volume 3

20. SECURITY INFORMATION

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.

The conceptual Closure and Reclamation Plan is provided in DEIS Volume 12 Chapter 7.3.

21. FINANCIAL INFORMATION

Provide a statement of financial responsibility.

If the applicant is a business entity, provide a list of the officers of the company.

If the applicant is a business entity attach a copy of the Certificate of Incorporation or evidence of registration of the company name.
The current details are provided in Proponent Information, DEIS Vol 11 - Appendix V11-3

22. STUDIES UNDERTAKEN TO DATE - List and attach copies of studies, reports, research, etc.

Comprehensive baseline studies have been initiated at the Project. Results from this ongoing work will be presented in baseline reports and used in ongoing feasibility studies. Volume 12, section 2.0 provides a listing of studies to date and the location within the DEIS (December 2013).

23. PROPOSED TIME SCHEDULE – Indicate the proposed start and completion dates for each applicable phase of development (construction, operation, closure, and post closure).

Site Preparation and Construction

Site preparation
Proposed Start Date: June 2014 Proposed Completion Date: June 2016

Construction
Proposed Start Date: July 2016 Proposed Completion Date: December 2017

The intent is to have the Type B water license in place for site preparation (preconstruction) activities to allow the timely construction of the Back River Project. It is anticipated that construction will start once the Project Certificate and Type A water licenses (one for mine sites and a second for access) are issued.

Operation
Proposed Start Date: January 2018 Proposed Completion Date: December 2030

Closure
Proposed Start Date: January 2031 Proposed Completion Date: December 2033

Post - Closure
Proposed Start Date: January 2034 Proposed Completion Date: December 2041

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

Post - Closure
☐ Winter ☐ Spring ☐ Summer ☐ Fall ■ All season

24. PROPOSED TERM OF LICENCE

Number of years (maximum of 25 years): Five (5) years

Requested Date of Issuance: Nov 2014 (month/year) Requested Expiry Date: Oct 2019 (month/year)

(The requested date of issuance must be at least three (3) months from the date of application for a type B water licence and at least 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 *Guide 5: Processing Water Licence Applications* for more information)

25. ANNUAL REPORTING – If not using the NWB's *Standardized Form for Annual Reporting*, provide details regarding the content of annual reports and a proposed outline or template of the annual report.

The NWB Standardized Form for Annual Reporting will be used by Sabina with refinements as required.

26. CHECKLIST – The following must be included with the application for the water licensing process to begin.

Written confirmation from the NPC confirming that NPC's requirements regarding land use plan conformity have been addressed.

X Yes ☐ No If no, date expected _____

Written confirmation from the NIRB confirming that NIRB's requirements regarding development impact assessment have been addressed.

X Yes ☐ No If no, date expected _____

Completed General Water Licence Application form.

X Yes ☐ No If no, date expected _____

Information addressing Supplemental Information Guideline (SIG) , where applicable (see Block 11)

☐ Yes ☐ No If no, date expected _____

English Summary of Application.

X Yes ☐ No If no, date expected _____

Inuktitut and/or Inuinnaqtun Summary of Application.

X Yes ☐ No If no, date expected

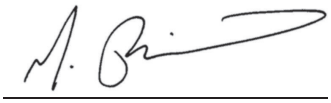
Application Fee of $30.00 CDN (Payee Receiver General for Canada).

☐ Yes ☐ No If no, date expected Jan 2014

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 Jan 2014

27. SIGNATURE

Matthew Pickard	Vice President, Environment & Sustainability Sabina Gold & Silver Corp.		January 10, 2014
Name (Print)	**Title (Print)**	**Signature**	**Date**

P.O. Box 119
Gjoa Haven, NU X0B 1J0
Tel: (867) 360-6338
Fax: (867) 360-6369

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NUNAVUT WATER BOARD
NUNAVUT IMALIRIYIN KATIMAYIT
OFFICE DES EAUX DU NUNAVUT

GENERAL WATER LICENCE APPLICATION
(APPLICATION FOR NEW WATER LICENCE)

Back River Project – Winter Road

The applicant is referred to the NWB's Guide 4: *Guide to Completing and Submitting a Water Licence Application for a New Licence* for more information about this application form.

LICENCE NO:
(for NWB use only)

1. APPLICANT (PROPOSED LICENSEE) CONTACT INFORMATION (name, address)

Sabina Gold & Silver Corp.
202 - 930 West First Street
North Vancouver, BC
V7P 3N4

Contact: Matthew Pickard, VP Environment & Sustainability

Phone: ___604-998-4175_____
Fax: ___604-998-1051_____
e-mail: ___mpickard@sabinagoldsilver.com_

2. APPLICANT REPRESENTATIVE CONTACT INFORMATION if different from Block 1 (name, address)

Same as Block 1

Phone: _____
Fax: _____
e-mail: _____
(Attach authorization letter.)

3. NAME OF PROJECT (including the name of the project location)

Stage 2 of the annual winter road construction for Sabina's Back River Gold Project

4. LOCATION OF UNDERTAKING

Project Extents

Stage 2 of the annual winter road construction extends from the Stage 1-2 Junction to the Stage 2-3 Junction (George North Junction), Figure 1.

Stage 1-2 Junction Location

Latitude: (66°14'27.96" N) Longitude: (107°10'19.66" W)

Stage 2-3 Junction (George North Junction) Location

Latitude: (65°51'42.48" N) Longitude: (107°14'8.95" W)

5. **MAP** - Attach a topographical map, indicating the main components of the undertaking.

NTS Map Sheet No.: 076G/13, 076G/14, 076/02, 076/03, 076/04, 076/06, 076/07 Map Name: -
Map Scale: 1:650,000
Volume 12, Figure 2.1-2 shows the overall alignment and footprint of the annual winter road route from the Marine Laydown Area in southern Bathurst Inlet south to the George Property Area and Goose Property Area. Figure 2.1-1 shows the site layout and location for the Marine Laydown Area.

Stage 2 of the winter road extends from the George North Junction to approximately halfway to the Marine Laydown Area The width of the winter road varies from 10m wide when developed over land, and 30m wide when developed over water.

6. **NATURE OF INTEREST IN THE LAND** - 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: _____ Date of expiry: _____

X Mineral Lease from Indian and Northern Affairs Canada (INAC)
Date (expected date) of issuance: Varies_____ Date of expiry: Varies_____

Surface

X Crown Land Use Authorization from Indian and Northern Affairs Canada (INAC)

Date (expected date) of issuance: 2010-10-31 ___ Date of expiry: 2014-10-31_____

X Inuit Owned Land (IOL) Authorization from Kitikmeot Inuit Association (KIA)

Date (expected date) of issuance: 2012-12-12 Date of expiry:2013-12-13 (renewal pending)

☐ 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: _____

Name of entity(s) holding authorizations:

Sabina Gold & Silver Corp.

Volume 12, section 3.3 lists all of the Sub-surface and Surface tenures currently held by Sabina and the current list of permits, licenses and authorizations

7. NUNAVUT PLANNING COMMISSION (NPC) DETERMINATION

Indicate the land use planning area in which the project is located.

☐ North Baffin
☐ South Baffin
☐ Akunniq
☐ Keewatin
☐ Sanikiluaq
X West Kitikmeot

Is a land use plan conformity determination required?

☐ Yes X No

If Yes, indicate date issued and attach copy

If No, provide written confirmation from NPC confirming that a land use plan conformity review is not required.

NPC conformity review is not required (NIRB, Notice of Decision December 17, 2012, File 12MN036). NPC has indicated in previous applications and amendment requests that there is not an approved land use plan for the West Kitikmeot Region and conformity is not required; email dated January 8, 2010 available upon request.

8. NUNAVUT IMPACT REVIEW BOARD (NIRB) DETERMINATION

Is an Article 12 Part 4 screening determination required?

X Yes ☐ No

If Yes, indicate date issued and attach copy **09RN066, dated November 30, 2009**

The NIRB decision (file 09RN066) regarding screening of the primary undertaking indicated that the project is exempt under NLCA section 12.4.3 (included in DEIS Volume 12, Appendix 3)

If No, provide written confirmation from NIRB confirming that a screening determination is not required.

9. DESCRIPTION OF UNDERTAKING – List and attach plans and drawings or project proposal.

The undertaking includes the site preparation (pre-construction) of Stage 2 of the annual winter road network for the Back River Project.

The winter road network will be used to provide supplies to the George and Goose Properties from the Marine Laydown Area and crosses both IOL and Crown land. The total length of winter road construction is approximately 180km. It is to be constructed approximately 45% over land and 55% over water, and varies in width from 10m wide over land and 30 m wide over water. Construction will take approximately 60 days to complete followed by a 75 day operational use period.

The Winter Road connecting Marine Laydown Area to Back River Goose Property is ~160 km in length. The period of use will be January to March annually to transport fuel, equipment and supplies from the Marine Laydown Area to George or Goose Property.

The length of Stage 2 of the annual winter road is 52km and starts at the southern end of stage 1 and ends at the George junction.

10. **OPTIONS** – Provide a brief explanation of the alternative methods or locations that were considered to carry out the project.

Site selection for the MLA and winter road was dictated by proximity to Bathurst Inlet, winter road routing, proximity to water, a large and stable area needed to accommodate required infrastructure while minimizing footprint, and avoidance of landscape, environmental and culturally sensitive areas.

The Project Development Areas (PDA) has been identified to outline areas for each Project that may be affected by project components and activities over all phases of the Project life. The current footprint within the individual Property PDA are preferred as they are technically feasible, are relatively low cost and are amenable to reclamation.

11. **CLASSIFICATION OF PRIMARY UNDERTAKING -** Indicate the primary classification of undertaking by checking one of the following boxes.

☐ Industrial
☐ Agricultural
X Mining and Milling (includes exploration/drilling/exploration camps)
☐ Conservation
☐ Municipal (includes camps/lodges)
☐ Recreational
☐ Power
☐ Miscellaneous (describe below):

_____

See Schedule II of *Northwest Territories Waters Regulations* for Description of Undertakings.

Information in accordance with applicable Supplemental Information Guidelines (SIG) must be submitted with a New Water Licence Application. Indicate which SIG(s) are applicable to your application.

☐ Hydrostatic Testing
☐ Tannery
☐ Tourist / Remote Camp
☐ Landfarm & On-Site Storage of Hydrocarbon Contaminated Soil
☐ Onshore Oil and Gas Exploration Drilling
X Mineral Exploration / Remote Camp
☐ Advanced Exploration
☐ Mine Development
☐ Municipal
☐ General Water Works
☐ Power

12. **WATER USE -** Check the appropriate box(s) to indicate the type(s) of water use(s) being applied for.

X To obtain water for camp purposes
☐ To obtain water for industrial purposes
☐ To divert a watercourse
X To cross a watercourse
☐ To modify the bed or bank of a watercourse
☐ To alter the flow of, or store water
☐ Flood control
X Other: To construct a winter ice road

13. **QUANTITY AND QUALITY OF WATER INVOLVED -** For each type of water use indicated in Block 12, provide the source of water, the quality of the water source and available capacity, the estimated quantity to be used in cubic meters per day, method of extraction, as well as the quantities and qualities of water to be returned to source.

Name of water source(s) (show location(s) on map):

Freshwater Sources (DEIS Volume 12, Figure 2.1-2) - Lakes H, I, J, K, L, M, N, O

Lake ID	Longitude (NAD 83)	Latitude (NAD 83)
Lake O	107.1138 W	66.1662 N
Lake N	107.1393 W	66.1138 N
Lake M	107.1669 W	66.0600 N
Lake L	107.1964 W	66.0423 N
Lake K	107.1461 W	65.9937 N
Lake J	107.1264 W	65.9753 N
Lake I	107.1408 W	65.9416 N
Lake H	107.1612 W	65.8859 N

Describe the quality of the water source(s) and the available capacity:
Fresh water: DEIS, Volume 6 presents baseline water quality of the Project

Provide the overall estimated quantity of water to be used: 250 m^3/day
Provide the estimated quantity(s) of water to be used from each source:
Indicate the estimated quantities to be used for each purpose (camp, drilling, etc.)
The expected water use for the construction and maintenance of the winter roads is estimated to be up to 121,500 m^3 every year to construct and maintain of which approximately 35,000 m3 will be used on Stage 2 of the winter road. The volume used will depend on environmental conditions and operational needs. Water will be drawn from various sources along the alignment of the winter road. Sabina will adhere to the DFO Operational Statements on Mineral Exploration, Culvert Maintenance, Ice Bridges and Snow Fills as well as DFO Under-Ice Water Withdrawal Protocol for the withdrawal of water.

Describe the method of extraction(s):

Water intake will be designed in accordance with DFO guidelines for water intakes.

Estimated quantity(s) of water returned to source(s) __

Freshwater used for winter road construction will melt and return to watersources as surface water runoff

Describe the quality of water(s) returned to source(s): _

There should be minimal effects to the quality of water returned to the source. Water used for construction of the annual winter road will melt and be returned to the natural environment as drainage. No change to water quality is expected. Only freshwater will be used for the winter road construction to ensure no issues related to salt concentrations.

14. **WASTE** – 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
☐ Waste oil
☐ Greywater
☐ Sludges
☐ Contaminated soil and/or water
☐ Other (describe): N/A – no waste generated; any waste generated will be included in the waste management programs of the camps

15. **QUANTITY AND QUALITY OF WASTE INVOLVED** – For each type of waste indicated in Block 14, describe its composition, quantity in cubic meters/day, method of treatment and method of disposal.

N/A – no waste generated

16. **OTHER AUTHORIZATIONS** – In addition to the sub-surface and surface land use authorizations provided in Block 6, indicate any other authorizations required in relation to the proposed undertaking. For each provide the following: See preamble to DEIS Volume 12

Authorization: _____

Administering Agency: _____

Project Activity: _____

Date (expected date) of issuance: _____ Date of expiry: _____

17. **PREDICTED ENVIRONMENTAL IMPACTS OF UNDERTAKING AND PROPOSED MITIGATION MEASURES** - Describe direct, indirect, and cumulative impacts related to water and waste.

See Volume 12, section 5.0

18. **WATER RIGHTS OF EXISTING AND OTHER USERS OF WATER**

Provide the names, addresses and nature of use for any known persons or properties that may be adversely affected by the proposed undertaking, including those that hold licences for water use in precedent to the application, domestic users, in-stream users, authorized waste depositors, owners of property, occupiers of property, and/or holders of outfitting concessions, registered trapline holders, and holders of other rights of a similar nature.

Advise the Board if compensation has been paid and/or agreement(s) for compensation have been reached with any existing or other users.

Sabina maintains other water licenses in the area to support mineral exploration activities and associated camp and resupply infrastructure.

19. **INUIT WATER RIGHTS**

Advise the Board of any substantial affect of the quality, quantity or flow of waters flowing through Inuit Owned Land (IOL), and advise the Board if negotiations have commenced or an agreement to pay compensation for any loss or damage has been reached with one or more Designated Inuit Organization (DIO).

No substantial effect on the quality, quantity or flow of waters flowing through Inuit Owned Land (IOL) identified

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.

Sabina maintains a community and government engagement program to discuss our current exploration programs and the development of the Back River Project. Most of our community discussions on roads have been of a general nature, with potential effects on wildlife (e.g. caribou) and potential accidental spills being dominant themes. In response, Sabina has implemented a Transportation Management Plan, Spill Contingency Plan and other Environmental Management Plans that incorporate regulatory requirements, best management practices, Traditional Knowledge and community consultation commitments

Details of the consultation is provided in DEIS Volume 3

21. SECURITY INFORMATION

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.

The conceptual Closure and Reclamation Plan is provided in DEIS Volume 12 Chapter 7.3.

22. FINANCIAL INFORMATION

Provide a statement of financial responsibility.

If the applicant is a business entity, provide a list of the officers of the company.

If the applicant is a business entity attach a copy of the Certificate of Incorporation or evidence of registration of the company name.

The current details are provided in Proponent Information, DEIS Vol 11 - Appendix V11-3

23. STUDIES UNDERTAKEN TO DATE - List and attach copies of studies, reports, research, etc.

Comprehensive baseline studies have been initiated at the Project. Results from this ongoing work will be presented in baseline reports and used in ongoing feasibility studies. Volume 12, section 2.0 provides a listing of studies to date and the location within the DEIS (December 2013).

24. PROPOSED TIME SCHEDULE – Indicate the proposed start and completion dates for each applicable phase of development (construction, operation, closure, and post closure).

Site Preparation and Construction

Site preparation
Proposed Start Date: June 2014 Proposed Completion Date: June 2016

Construction
Proposed Start Date: July 2016 Proposed Completion Date: December 2017

The intent is to have the Type B water license in place for site preparation (preconstruction) activities to allow the timely construction of the Back River Project. It is anticipated that construction will start once the Project Certificate and Type A water licenses (one for mine sites and a second for access) are issued.

Operation
Proposed Start Date: January 2018 Proposed Completion Date: December 2019

Closure
Proposed Start Date: _____ Proposed Completion Date: _____
(month/year) (month/year)

Post - Closure
Proposed Start Date: _____ Proposed Completion Date: _____
(month/year) (month/year)

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

Post - Closure
☐ Winter ☐ Spring ☐ Summer ☐ Fall ☒ All season

25. PROPOSED TERM OF LICENCE

Number of years (maximum of 25 years): Five (5) years

Requested Date of Issuance: Nov 2014 Requested Expiry Date: Oct 2019
(month/year) (month/year)

(The requested date of issuance must be at least three (3) months from the date of application for a type B water licence and at least 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 *Guide 5: Processing Water Licence Applications* for more information)

26. ANNUAL REPORTING – If not using the NWB's *Standardized Form for Annual Reporting*, provide details regarding the content of annual reports and a proposed outline or template of the annual report.

The NWB Standardized Form for Annual Reporting will be used by Sabina with refinements as required.

27. CHECKLIST – The following must be included with the application for the water licensing process to begin.

Written confirmation from the NPC confirming that NPC's requirements regarding land use plan conformity have been addressed.

X Yes ☐ No If no, date expected _____

Written confirmation from the NIRB confirming that NIRB's requirements regarding development impact assessment have been addressed.

X Yes ☐ No If no, date expected _____

Completed General Water Licence Application form.

X Yes ☐ No If no, date expected _____

Information addressing Supplemental Information Guideline (SIG) , where applicable (see Block 11)

X Yes ☐ No If no, date expected _____

English Summary of Application.

X Yes ☐ No If no, date expected _____

Inuktitut and/or Inuinnaqtun Summary of Application.

X Yes ☐ No If no, date expected

Application Fee of $30.00 CDN (Payee Receiver General for Canada).

☐ Yes X No If no, date expected Jan 2014

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 X No If no, date expected Jan 2014

28. SIGNATURE

Matthew Pickard	Vice President, Environment & Sustainability Sabina Gold & Silver Corp.		January 10, 2014
Name (Print)	**Title (Print)**	**Signature**	**Date**

P.O. BOX 119
GJOA HAVEN, NU X0B 1J0
TEL: (867) 360-6338
FAX: (867) 360-6369

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NUNAVUT WATER BOARD
NUNAVUT IMALIRIYIN KATIMAYIT
OFFICE DES EAUX DU NUNAVUT

GENERAL WATER LICENCE APPLICATION
(APPLICATION FOR NEW WATER LICENCE)

Sabina Back River Project – Winter Road Stage 3

The applicant is referred to the NWB's Guide 4: *Guide to Completing and Submitting a Water Licence Application for a New Licence* for more information about this application form.

LICENCE NO: (for NWB use only)	
1. APPLICANT (PROPOSED LICENSEE) CONTACT INFORMATION (name, address) Sabina Gold & Silver Corp. # 202 - 930 West First Street North Vancouver, BC V7P 3N4 Contact: Matthew Pickard, VP Environment & Sustainability Phone: ___604-998-4175_____ Fax: ___604-998-1051_____ e-mail: ___mpickard@sabinagoldsilver.com_	**2. APPLICANT REPRESENTATIVE CONTACT INFORMATION** if different from Block 1 (name, address) Same as Block 1 Phone: _____ Fax: _____ e-mail: _____ (Attach authorization letter.)
3. NAME OF PROJECT (including the name of the project location) Stage 3 of the annual winter road construction for Sabina's Back River Gold Project	
4. LOCATION OF UNDERTAKING **Project Extents** Stage 3 of the annual winter road construction extends from the George Property Area to the midpoint between the George and Goose Property areas at the Stage 3-4 Junction (Figure 1). **George Property Area Location** Latitude: (65°57'8.9" N) Longitude: (107°30'5.04"W) **Stage 3-4 Junction Location** Latitude: (65°41'2.76"N) Longitude: (107°4'14.80" W)	

5. **MAP** - Attach a topographical map, indicating the main components of the undertaking.

NTS Map Sheet No.: 076G/10, 076G/11, 076G/12, 076G/13, 076G/14 Map Name: -
Map Scale: 1:650,000

Volume 12, Figure 2.1-2 shows the overall alignment and footprint of the annual winter road route from the Marine Laydown Area in southern Bathurst Inlet south to the George Property Area and Goose Property Area. Figure 2.1-1 shows the site layout and location for the Marine Laydown Area.

Stage 2 of the winter road extends from the George North Junction to approximately halfway to the Marine Laydown Area The width of the winter road varies from 10m wide when developed over land, and 30m wide when developed over water.

6. **NATURE OF INTEREST IN THE LAND** - 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: _____ Date of expiry: _____

X Mineral Lease from Indian and Northern Affairs Canada (INAC)
Date (expected date) of issuance: Varies_____ Date of expiry: Varies_____

Surface

X Crown Land Use Authorization from Indian and Northern Affairs Canada (INAC)

Date (expected date) of issuance: 2010-10-31 ___ Date of expiry: 2014-10-31_____

X Inuit Owned Land (IOL) Authorization from Kitikmeot Inuit Association (KIA)

Date (expected date) of issuance: 2012-12-12 Date of expiry:2013-12-13 (renewal pending)

☐ 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: _____

Name of entity(s) holding authorizations:

Sabina Gold & Silver Corp.

Volume 12, section 3.3 lists all of the Sub-surface and Surface tenures currently held by Sabina and the current list of permits, licenses and authorizations

7. NUNAVUT PLANNING COMMISSION (NPC) DETERMINATION

Indicate the land use planning area in which the project is located.

☐ North Baffin	☐ Keewatin
☐ South Baffin	☐ Sanikiluaq
☐ Akunniq	X West Kitikmeot

Is a land use plan conformity determination required?

☐ Yes X No

If Yes, indicate date issued and attach copy

If No, provide written confirmation from NPC confirming that a land use plan conformity review is not required.

NPC conformity review is not required (NIRB, Notice of Decision December 17, 2012, File 12MN036). NPC has indicated in previous applications and amendment requests that there is not an approved land use plan for the West Kitikmeot Region and conformity is not required; email dated January 8, 2010 available upon request.

8. NUNAVUT IMPACT REVIEW BOARD (NIRB) DETERMINATION

Is an Article 12 Part 4 screening determination required?

X Yes ☐ No

If Yes, indicate date issued and attach copy **09RN066, dated November 30, 2009**

The NIRB decision (file 09RN066) regarding screening of the primary undertaking indicated that the project is exempt under NLCA section 12.4.3 (included in DEIS Volume 12, Appendix 3)

If No, provide written confirmation from NIRB confirming that a screening determination is not required.

9. DESCRIPTION OF UNDERTAKING – List and attach plans and drawings or project proposal.

The undertaking includes the site preparation (pre-construction) of Stage 3 of the annual winter road network for the Back River Project.

The winter road network will be used to provide supplies to the George and Goose Properties from the Marine Laydown Area and crosses both IOL and Crown land. The total length of winter road construction is approximately 180km. It is to be constructed approximately 45% over land and 55% over water, and varies in width from 10m wide over land and 30 m wide over water. Construction will take approximately 60 days to complete followed by a 75 day operational use period.

The Winter Road connecting Marine Laydown Area to Back River Goose Property is ~160 km in length. The period of use will be January to March annually to transport fuel, equipment and supplies from the Marine Laydown Area to George or Goose Property.

The length of Stage 3 of the annual winter road is 37km and starts at the George Property and ends approximately halfway between George and Goose.

10. **OPTIONS** – Provide a brief explanation of the alternative methods or locations that were considered to carry out the project.

Site selection for the MLA and winter road was dictated by proximity to Bathurst Inlet, winter road routing, proximity to water, a large and stable area needed to accommodate required infrastructure while minimizing footprint, and avoidance of landscape, environmental and culturally sensitive areas.

The Project Development Areas (PDA) has been identified to outline areas for each Project that may be affected by project components and activities over all phases of the Project life. The current footprint within the individual Property PDA are preferred as they are technically feasible, are relatively low cost and are amenable to reclamation.

11. **CLASSIFICATION OF PRIMARY UNDERTAKING -** Indicate the primary classification of undertaking by checking one of the following boxes.

☐ Industrial
☐ Agricultural
X Mining and Milling (includes exploration/drilling/exploration camps)
☐ Conservation
☐ Municipal (includes camps/lodges)
☐ Recreational
☐ Power
☐ Miscellaneous (describe below):

_____

See Schedule II of *Northwest Territories Waters Regulations* for Description of Undertakings.

Information in accordance with applicable Supplemental Information Guidelines (SIG) must be submitted with a New Water Licence Application. Indicate which SIG(s) are applicable to your application.

☐ Hydrostatic Testing
☐ Tannery
☐ Tourist / Remote Camp
☐ Landfarm & On-Site Storage of Hydrocarbon Contaminated Soil
☐ Onshore Oil and Gas Exploration Drilling
X Mineral Exploration / Remote Camp
☐ Advanced Exploration
☐ Mine Development
☐ Municipal
☐ General Water Works
☐ Power

12. **WATER USE -** Check the appropriate box(s) to indicate the type(s) of water use(s) being applied for.

X To obtain water for camp purposes
☐ To obtain water for industrial purposes
☐ To divert a watercourse
X To cross a watercourse
☐ To modify the bed or bank of a watercourse
☐ To alter the flow of, or store water
☐ Flood control
X Other: To construct a winter ice road

13. **QUANTITY AND QUALITY OF WATER INVOLVED -** For each type of water use indicated in Block 12, provide the source of water, the quality of the water source and available capacity, the estimated quantity to be used in cubic meters per day, method of extraction, as well as the quantities and qualities of water to be returned to source.

Name of water source(s) (show location(s) on map):
Freshwater Sources (Figure 4)-Lakes G, E, D, F, Fold Lake, George Lake, and Lower Long Lake

Lake ID	Longitude (NAD 83)	Latitude (NAD 83)
Lake G	107.1953 W	65.8349 N
Lake E	107.1910 W	65.7980 N
Lake D	107.0927 W	65.7044 N
Fold Lake	107.4398 W	65.9244 N
George Lake	107.4550 W	65.9232 N
Lower Long Lake	107.2689 W	65.8738 N
Lake F	107.2349 W	65.7986 N

Describe the quality of the water source(s) and the available capacity:

Fresh water: DEIS, Volume 6 presents baseline water quality of the Project

Provide the overall estimated quantity of water to be used: 200 m^3/day
Provide the estimated quantity(s) of water to be used from each source:
Indicate the estimated quantities to be used for each purpose (camp, drilling, etc.)
The expected water use for the construction and maintenance of the winter roads is estimated to be up to 121,500 m^3 every year to construct and maintain of which approximately 25,000 m3 will be used on Stage 3 of the winter road. The volume used will depend on environmental conditions and operational needs. Water will be drawn from various sources along the alignment of the winter road. Sabina will adhere to the DFO Operational Statements on Mineral Exploration, Culvert Maintenance, Ice Bridges and Snow Fills as well as DFO Under-Ice Water Withdrawal Protocol for the withdrawal of water.

Describe the method of extraction(s):

Water intake will be designed in accordance with DFO guidelines for water intakes.

Estimated quantity(s) of water returned to source(s) __

Freshwater used for winter road construction will melt and return to watersources as surface water runoff

Describe the quality of water(s) returned to source(s): _

There should be minimal effects to the quality of water returned to the source. Water used for construction of the annual winter road will melt and be returned to the natural environment as drainage. No change to water quality is expected. Only freshwater will be used for the winter road construction to ensure no issues related to salt concentrations.

14. **WASTE** – 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
☐ Waste oil
☐ Greywater
☐ Sludges
☐ Contaminated soil and/or water
☐ Other (describe): N/A – no waste generated; any waste generated will be included in the waste management programs of the camps

15. **QUANTITY AND QUALITY OF WASTE INVOLVED** – For each type of waste indicated in Block 14, describe its composition, quantity in cubic meters/day, method of treatment and method of disposal.

N/A – no waste generated

16. **OTHER AUTHORIZATIONS** – In addition to the sub-surface and surface land use authorizations provided in Block 6, indicate any other authorizations required in relation to the proposed undertaking. For each provide the following: See preamble to DEIS Volume 12

Authorization: _____

Administering Agency: _____

Project Activity: _____

Date (expected date) of issuance: _____ Date of expiry: _____

17. **PREDICTED ENVIRONMENTAL IMPACTS OF UNDERTAKING AND PROPOSED MITIGATION MEASURES** - Describe direct, indirect, and cumulative impacts related to water and waste.

See Volume 12, section 5.0

18. **WATER RIGHTS OF EXISTING AND OTHER USERS OF WATER**

Provide the names, addresses and nature of use for any known persons or properties that may be adversely affected by the proposed undertaking, including those that hold licences for water use in precedent to the application, domestic users, in-stream users, authorized waste depositors, owners of property, occupiers of property, and/or holders of outfitting concessions, registered trapline holders, and holders of other rights of a similar nature.

Advise the Board if compensation has been paid and/or agreement(s) for compensation have been reached with any existing or other users.

Sabina maintains other water licenses in the area to support mineral exploration activities and associated camp and resupply infrastructure.

19. **INUIT WATER RIGHTS**

Advise the Board of any substantial affect of the quality, quantity or flow of waters flowing through Inuit Owned Land (IOL), and advise the Board if negotiations have commenced or an agreement to pay compensation for any loss or damage has been reached with one or more Designated Inuit Organization (DIO).

No substantial effect on the quality, quantity or flow of waters flowing through Inuit Owned Land (IOL) identified

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.

Sabina maintains a community and government engagement program to discuss our current exploration programs and the development of the Back River Project. Most of our community

discussions on roads have been of a general nature, with potential effects on wildlife (e.g. caribou) and potential accidental spills being dominant themes. In response, Sabina has implemented a Transportation Management Plan, Spill Contingency Plan and other Environmental Management Plans that incorporate regulatory requirements, best management practices, Traditional Knowledge and community consultation commitments

Details of the consultation is provided in DEIS Volume 3

21. SECURITY INFORMATION

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.

The conceptual Closure and Reclamation Plan is provided in DEIS Volume 12 Chapter 7.3.

22. FINANCIAL INFORMATION

Provide a statement of financial responsibility.

If the applicant is a business entity, provide a list of the officers of the company.

If the applicant is a business entity attach a copy of the Certificate of Incorporation or evidence of registration of the company name.
The current details are provided in Proponent Information, DEIS Vol 11 - Appendix V11-3

23. STUDIES UNDERTAKEN TO DATE - List and attach copies of studies, reports, research, etc.

Comprehensive baseline studies have been initiated at the Project. Results from this ongoing work will be presented in baseline reports and used in ongoing feasibility studies. Volume 12, section 2.0 provides a listing of studies to date and the location within the DEIS (December 2013).

24. PROPOSED TIME SCHEDULE – Indicate the proposed start and completion dates for each applicable phase of development (construction, operation, closure, and post closure).

Site Preparation and Construction

Site preparation
Proposed Start Date: June 2014 Proposed Completion Date: June 2016

Construction
Proposed Start Date: July 2016 Proposed Completion Date: December 2017

The intent is to have the Type B water license in place for site preparation (preconstruction) activities to allow the timely construction of the Back River Project. It is anticipated that construction will start once the Project Certificate and Type A water licenses (one for mine sites and a second for access) are issued.

Operation
Proposed Start Date: January 2018 Proposed Completion Date: December 2019

Closure
Proposed Start Date: _____ Proposed Completion Date: _____

(month/year) (month/year)

Post - Closure
Proposed Start Date: _____ Proposed Completion Date: _____
(month/year) (month/year)

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

Post - Closure
☐ Winter ☐ Spring ☐ Summer ☐ Fall ■ All season

25. PROPOSED TERM OF LICENCE

Number of years (maximum of 25 years): Five (5) years

Requested Date of Issuance: Nov 2014 Requested Expiry Date: Oct 2019
(month/year) (month/year)

(The requested date of issuance must be at least three (3) months from the date of application for a type B water licence and at least 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 *Guide 5: Processing Water Licence Applications* for more information)

26. ANNUAL REPORTING – If not using the NWB's *Standardized Form for Annual Reporting*, provide details regarding the content of annual reports and a proposed outline or template of the annual report.

The NWB Standardized Form for Annual Reporting will be used by Sabina with refinements as required.

27. CHECKLIST – The following must be included with the application for the water licensing process to begin.

Written confirmation from the NPC confirming that NPC's requirements regarding land use plan conformity have been addressed.

X Yes ☐ No If no, date expected _____

Written confirmation from the NIRB confirming that NIRB's requirements regarding development impact assessment have been addressed.

X Yes ☐ No If no, date expected _____

Completed General Water Licence Application form.

X Yes ☐ No If no, date expected _____

Information addressing Supplemental Information Guideline (SIG) , where applicable (see Block 11)

X Yes ☐ No If no, date expected _____

English Summary of Application.

X Yes ☐ No If no, date expected _____

Inuktitut and/or Inuinnaqtun Summary of Application.

X Yes ☐ No If no, date expected

Application Fee of $30.00 CDN (Payee Receiver General for Canada).

☐ Yes X No If no, date expected Jan 2014

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 X No If no, date expected Jan 2014

28. SIGNATURE

Matthew Pickard	Vice President, Environment & Sustainability Sabina Gold & Silver Corp.		January 10, 2014
Name (Print)	**Title (Print)**	**Signature**	**Date**

P.O. BOX 119
GJOA HAVEN, NU X0B 1J0
TEL: (867) 360-6338
FAX: (867) 360-6369

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NUNAVUT WATER BOARD
NUNAVUT IMALIRIYIN KATIMAYIT
OFFICE DES EAUX DU NUNAVUT

GENERAL WATER LICENCE APPLICATION
(APPLICATION FOR NEW WATER LICENCE)

Back River Project – Winter Road Stage 4

The applicant is referred to the NWB's Guide 4: *Guide to Completing and Submitting a Water Licence Application for a New Licence* for more information about this application form.

LICENCE NO: (for NWB use only)	
1. APPLICANT (PROPOSED LICENSEE) CONTACT INFORMATION (name, address) Sabina Gold & Silver Corp. # 202 - 930 West First Street North Vancouver, BC V7P 3N4 Contact: Matthew Pickard, VP Environment & Sustainability Phone: ___604-998-4175_____ Fax: ___604-998-1051_____ e-mail: ___mpickard@sabinagoldsilver.com_	**2. APPLICANT REPRESENTATIVE CONTACT INFORMATION** if different from Block 1 (name, address) Same as Block 1 Phone: _____ Fax: _____ e-mail: _____ (Attach authorization letter.)
3. NAME OF PROJECT (including the name of the project location) Stage 4 of the annual winter road construction for Sabina's Back River Gold Project	
4. LOCATION OF UNDERTAKING **Project Extents** Stage 4 of the annual winter road construction extends from the midpoint between the George and Goose Property areas at the Stage 3-4 Junction to the Goose Property Area. **Goose Property Area Location** Latitude: (65°32'40"N) Longitude: (106°25'41" W) **Stage 3-4 Junction Location** Latitude: (65°41'2.76"N) Longitude: (107°4'14.80" W)	

5. **MAP** - Attach a topographical map, indicating the main components of the undertaking.

NTS Map Sheet No.: 076G/09, 076G/10, 076G/11, 076G/14, 076G/15 Map Name: -
Map Scale: 1:650,000

Volume 12, Figure 2.1-2 shows the overall alignment and footprint of the annual winter road route from the Marine Laydown Area in southern Bathurst Inlet south to the George Property Area and Goose Property Area. Figure 2.1-1 shows the site layout and location for the Marine Laydown Area.

Stage 2 of the winter road extends from the George North Junction to approximately halfway to the Marine Laydown Area The width of the winter road varies from 10m wide when developed over land, and 30m wide when developed over water.

6. **NATURE OF INTEREST IN THE LAND** - 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: _____ Date of expiry: _____

X Mineral Lease from Indian and Northern Affairs Canada (INAC)

Date (expected date) of issuance: Varies_____ Date of expiry: Varies_____

Surface

X Crown Land Use Authorization from Indian and Northern Affairs Canada (INAC)

Date (expected date) of issuance: 2010-10-31 ___ Date of expiry: 2014-10-31_____

X Inuit Owned Land (IOL) Authorization from Kitikmeot Inuit Association (KIA)

Date (expected date) of issuance: 2012-12-12 Date of expiry:2013-12-13 (renewal pending)

☐ 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: _____

Name of entity(s) holding authorizations:

Sabina Gold & Silver Corp.

Volume 12, section 3.3 lists all of the Sub-surface and Surface tenures currently held by Sabina and the current list of permits, licenses and authorizations

7. NUNAVUT PLANNING COMMISSION (NPC) DETERMINATION

Indicate the land use planning area in which the project is located.

☐ North Baffin
☐ South Baffin
☐ Akunniq
☐ Keewatin
☐ Sanikiluaq
X West Kitikmeot

Is a land use plan conformity determination required?

☐ Yes X No

If Yes, indicate date issued and attach copy

If No, provide written confirmation from NPC confirming that a land use plan conformity review is not required.

NPC conformity review is not required (NIRB, Notice of Decision December 17, 2012, File 12MN036). NPC has indicated in previous applications and amendment requests that there is not an approved land use plan for the West Kitikmeot Region and conformity is not required; email dated January 8, 2010 available upon request.

8. NUNAVUT IMPACT REVIEW BOARD (NIRB) DETERMINATION

Is an Article 12 Part 4 screening determination required?

X Yes ☐ No

If Yes, indicate date issued and attach copy **09RN066, dated November 30, 2009**

The NIRB decision (file 09RN066) regarding screening of the primary undertaking indicated that the project is exempt under NLCA section 12.4.3 (included in DEIS Volume 12, Appendix 3)

If No, provide written confirmation from NIRB confirming that a screening determination is not required.

9. DESCRIPTION OF UNDERTAKING – List and attach plans and drawings or project proposal.

The undertaking includes the site preparation (pre-construction) of Stage 4 of the annual winter road network for the Back River Project.

The winter road network will be used to provide supplies to the George and Goose Properties from the Marine Laydown Area and crosses both IOL and Crown land. The total length of winter road construction is approximately 180km. It is to be constructed approximately 45% over land and 55% over water, and varies in width from 10m wide over land and 30 m wide over water. Construction will take approximately 60 days to complete followed by a 75 day operational use period.

The Winter Road connecting Marine Laydown Area to Back River Goose Property is ~160 km in length. The period of use will be January to March annually to transport fuel, equipment and supplies from the Marine Laydown Area to George or Goose Property.

The length of Stage 4 of the annual winter road is 37km and starts approximately halfway between George and Goose and end at the Goose Property.

10. **OPTIONS** – Provide a brief explanation of the alternative methods or locations that were considered to carry out the project.

Site selection for the MLA and winter road was dictated by proximity to Bathurst Inlet, winter road routing, proximity to water, a large and stable area needed to accommodate required infrastructure while minimizing footprint, and avoidance of landscape, environmental and culturally sensitive areas.

The Project Development Areas (PDA) has been identified to outline areas for each Project that may be affected by project components and activities over all phases of the Project life. The current footprint within the individual Property PDA are preferred as they are technically feasible, are relatively low cost and are amenable to reclamation.

11. **CLASSIFICATION OF PRIMARY UNDERTAKING -** Indicate the primary classification of undertaking by checking one of the following boxes.

☐ Industrial
☐ Agricultural
X Mining and Milling (includes exploration/drilling/exploration camps)
☐ Conservation
☐ Municipal (includes camps/lodges)
☐ Recreational
☐ Power
☐ Miscellaneous (describe below):

_____

See Schedule II of *Northwest Territories Waters Regulations* for Description of Undertakings.

Information in accordance with applicable Supplemental Information Guidelines (SIG) must be submitted with a New Water Licence Application. Indicate which SIG(s) are applicable to your application.

☐ Hydrostatic Testing
☐ Tannery
☐ Tourist / Remote Camp
☐ Landfarm & On-Site Storage of Hydrocarbon Contaminated Soil
☐ Onshore Oil and Gas Exploration Drilling
X Mineral Exploration / Remote Camp
☐ Advanced Exploration
☐ Mine Development
☐ Municipal
☐ General Water Works
☐ Power

12. **WATER USE -** Check the appropriate box(s) to indicate the type(s) of water use(s) being applied for.

X To obtain water for camp purposes
☐ To obtain water for industrial purposes
☐ To divert a watercourse
X To cross a watercourse
☐ To modify the bed or bank of a watercourse
☐ To alter the flow of, or store water
☐ Flood control
X Other: To construct a winter ice road

13. **QUANTITY AND QUALITY OF WATER INVOLVED -** For each type of water use indicated in Block 12, provide the source of water, the quality of the water source and available capacity, the estimated quantity to be used in cubic meters per day, method of extraction, as well as the quantities and qualities of water to be returned to source.

Name of water source(s) (show location(s) on map):
Freshwater Sources (Figure 4)-Lakes A, B, C, Giraffe Lake and Goose Lake

Lake ID	Longitude (NAD 83)	Latitude (NAD 83)
Lake C	106.8939 W	65.6420 N
Lake B	106.7522 W	65.6033 N
Lake A	106.6197 W	65.5771 N
Giraffe Lake	106.4407 W	65.5540 N
Goose Lake	106.4677 W	65.5681 N

Describe the quality of the water source(s) and the available capacity:

Fresh water: DEIS, Volume 6 presents baseline water quality of the Project

Provide the overall estimated quantity of water to be used: 200 m^3/day
Provide the estimated quantity(s) of water to be used from each source:
Indicate the estimated quantities to be used for each purpose (camp, drilling, etc.)
The expected water use for the construction and maintenance of the winter roads is estimated to be up to 121,500 m^3 every year to construct and maintain of which approximately 25,000 m3 will be used on Stage 3 of the winter road. The volume used will depend on environmental conditions and operational needs. Water will be drawn from various sources along the alignment of the winter road. Sabina will adhere to the DFO Operational Statements on Mineral Exploration, Culvert Maintenance, Ice Bridges and Snow Fills as well as DFO Under-Ice Water Withdrawal Protocol for the withdrawal of water.

Describe the method of extraction(s):

Water intake will be designed in accordance with DFO guidelines for water intakes.

Estimated quantity(s) of water returned to source(s) __

Freshwater used for winter road construction will melt and return to watersources as surface water runoff

Describe the quality of water(s) returned to source(s): _

There should be minimal effects to the quality of water returned to the source. Water used for construction of the annual winter road will melt and be returned to the natural environment as drainage. No change to water quality is expected. Only freshwater will be used for the winter road construction to ensure no issues related to salt concentrations.

14. **WASTE** – 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
☐ Waste oil
☐ Greywater
☐ Sludges
☐ Contaminated soil and/or water
☐ Other (describe): N/A – no waste generated; any waste generated will be included in the waste management programs of the camps

15. **QUANTITY AND QUALITY OF WASTE INVOLVED** – For each type of waste indicated in Block 14, describe its composition, quantity in cubic meters/day, method of treatment and method of disposal.

N/A – no waste generated

16. **OTHER AUTHORIZATIONS** – In addition to the sub-surface and surface land use authorizations provided in Block 6, indicate any other authorizations required in relation to the proposed undertaking. For each provide the following: See preamble to DEIS Volume 12

Authorization: _____

Administering Agency: _____

Project Activity: _____

Date (expected date) of issuance: _____ Date of expiry: _____

17. **PREDICTED ENVIRONMENTAL IMPACTS OF UNDERTAKING AND PROPOSED MITIGATION MEASURES** - Describe direct, indirect, and cumulative impacts related to water and waste.

See DEIS Volume 12, section 5.0

18. **WATER RIGHTS OF EXISTING AND OTHER USERS OF WATER**

Provide the names, addresses and nature of use for any known persons or properties that may be adversely affected by the proposed undertaking, including those that hold licences for water use in precedent to the application, domestic users, in-stream users, authorized waste depositors, owners of property, occupiers of property, and/or holders of outfitting concessions, registered trapline holders, and holders of other rights of a similar nature.

Advise the Board if compensation has been paid and/or agreement(s) for compensation have been reached with any existing or other users.

Sabina maintains other water licenses in the area to support mineral exploration activities and associated camp and resupply infrastructure.

19. **INUIT WATER RIGHTS**

Advise the Board of any substantial affect of the quality, quantity or flow of waters flowing through Inuit Owned Land (IOL), and advise the Board if negotiations have commenced or an agreement to pay compensation for any loss or damage has been reached with one or more Designated Inuit Organization (DIO).

No substantial effect on the quality, quantity or flow of waters flowing through Inuit Owned Land (IOL) identified

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.

Sabina maintains a community and government engagement program to discuss our current exploration programs and the development of the Back River Project. Most of our community discussions on roads have been of a general nature, with potential effects on wildlife (e.g. caribou)

and potential accidental spills being dominant themes. In response, Sabina has implemented a Transportation Management Plan, Spill Contingency Plan and other Environmental Management Plans that incorporate regulatory requirements, best management practices, Traditional Knowledge and community consultation commitments

Details of the consultation is provided in DEIS Volume 3

21. SECURITY INFORMATION

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.

The conceptual Closure and Reclamation Plan is provided in DEIS Volume 12 Chapter 7.3.

22. FINANCIAL INFORMATION

Provide a statement of financial responsibility.

If the applicant is a business entity, provide a list of the officers of the company.

If the applicant is a business entity attach a copy of the Certificate of Incorporation or evidence of registration of the company name.

The current details are provided in Proponent Information, DEIS Vol 11 - Appendix V11-3

23. STUDIES UNDERTAKEN TO DATE - List and attach copies of studies, reports, research, etc.
Comprehensive baseline studies have been initiated at the Project. Results from this ongoing work will be presented in baseline reports and used in ongoing feasibility studies. Volume 12, section 2.0 provides a listing of studies to date and the location within the DEIS (December 2013).

24. PROPOSED TIME SCHEDULE – Indicate the proposed start and completion dates for each applicable phase of development (construction, operation, closure, and post closure).

Site Preparation and Construction

Site preparation
Proposed Start Date: June 2014 Proposed Completion Date: June 2016

Construction
Proposed Start Date: July 2016 Proposed Completion Date: December 2017

The intent is to have the Type B water license in place for site preparation (preconstruction) activities to allow the timely construction of the Back River Project. It is anticipated that construction will start once the Project Certificate and Type A water licenses (one for mine sites and a second for access) are issued.

Operation

Proposed Start Date: January 2018 Proposed Completion Date: December 2019

Closure
Proposed Start Date: _____ (month/year) Proposed Completion Date: _____ (month/year)

Post - Closure
Proposed Start Date: _____ (month/year) Proposed Completion Date: _____ (month/year)

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

Post - Closure
☐ Winter ☐ Spring ☐ Summer ☐ Fall ☐ All season

25. PROPOSED TERM OF LICENCE

Number of years (maximum of 25 years): Five (5) years

Requested Date of Issuance: Nov 2014 (month/year) Requested Expiry Date: Oct 2019 (month/year)

(The requested date of issuance must be at least three (3) months from the date of application for a type B water licence and at least 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 *Guide 5: Processing Water Licence Applications* for more information)

26. ANNUAL REPORTING – If not using the NWB's *Standardized Form for Annual Reporting*, provide details regarding the content of annual reports and a proposed outline or template of the annual report.

The NWB Standardized Form for Annual Reporting will be used by Sabina with refinements as required.

27. CHECKLIST – The following must be included with the application for the water licensing process to begin.

Written confirmation from the NPC confirming that NPC's requirements regarding land use plan conformity have been addressed.

X Yes ☐ No If no, date expected _____

Written confirmation from the NIRB confirming that NIRB's requirements regarding development

impact assessment have been addressed.

X Yes ☐ No If no, date expected _____

Completed General Water Licence Application form.

X Yes ☐ No If no, date expected _____

Information addressing Supplemental Information Guideline (SIG) , where applicable (see Block 11)

X Yes ☐ No If no, date expected _____

English Summary of Application.

X Yes ☐ No If no, date expected _____

Inuktitut and/or Inuinnaqtun Summary of Application.

X Yes ☐ No If no, date expected

Application Fee of $30.00 CDN (Payee Receiver General for Canada).

☐ Yes X No If no, date expected Jan 2014

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 X No If no, date expected Jan 2014

28. SIGNATURE

Matthew Pickard	Vice President, Environment & Sustainability Sabina Gold & Silver Corp.		January 10, 2014
Name (Print)	**Title (Print)**	**Signature**	**Date**

P.O. Box 119
Gjoa Haven, NU X0B 1J0
Tel: (867) 360-6338
Fax: (867) 360-6369

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NUNAVUT WATER BOARD
NUNAVUT IMALIRIYIN KATIMAYINGI
OFFICE DES EAUX DU NUNAVUT

EXPLORATION/ REMOTE CAMP SUPPLEMENTARY QUESTIONNAIRE

Applicant: Sabina Gold & Silver Corp. **Licence No:** _____
(For NWB Use Only)

ADMINISTRATIVE INFORMATION

1. Environment Manager: Cheryl Wray Tel: 604-998-4175 Fax: 604-998-1051

   E-mail: cwray@sabingoldsilver.com

2. Project Manager: John Laitin Tel: 604-998-4175 Fax: 604-998-1051 E-mail: jlaitin@sabinagoldsilver.com

3. Does the applicant hold the necessary property rights?
   See DEIS Volume 12, section 3.3 for a complete list of current authorizations.

4. Is the applicant an 'operator' for another company (i.e., the holder of the property rights)? If so, please provide letter of authorization.
   N/A

5. Duration of the Project

   ☐ One year or less Start and completion dates: _____
   ☒ Multi Year:

   If Multi-Year indicate proposed schedule of on site activities
   Start: November 1, 2014 Completion: October 31, 2019

CAMP CLASSIFICATION

6. Type of Camp

   ☐ Mobile (self-propelled)
   ☒ Temporary
   ☒ Seasonally Occupied: Jan 1 to May 15 and July 1 – Dec 31
   ☒ Permanent
   ☐ Other:_____

7. What is the design, maximum and expected average population of the camp?

See DEIS Volume 12, section 4.0

The Marine Laydown Area will be developed as a staging area for equipment, material, fuel and supplies required for the construction and operation of the Back River Project. Construction of the MLA may begin at the start of site preparation (preconstruction) and will be operational for construction and remain operational until closure.

The proposed camp will support up to 50 people during site preparation activities and up to 100 during construction. The average daily occupancy throughout the season is unknown at this time as it will depend on activity levels, crew rotation and guests/contractors onsite.

The quarry (cut and fill) will be developed in January to March in the first year of site preparation to develop an appropriate area for laydown, storage and camp construction. The material may also be used for helipad construction and preliminary fill for the docking/ramp structures.

Infrastructure at the Marine Laydown area includes: Laydown areas; Explosives magazines; Reagent storage; Warehousing facility; Emergency facilities (fire and ambulance station); General maintenance building (site services); Waste management building; 100-person Camp and Administration complex (workforce with contingency) complete with kitchen, dry and recreational facilities; Administration complex; Modular desalination water treatment system; Modular sewage treatment system; Diesel power plant; Power utility building;

Temporary /emergency camps established either as part of exploration and resupply (at distances beyond 15km of the existing camps) or at intervals of 60km along the road corridor to accommodate up to 25 people. The description of the camp facilities are a general model that would be used at each location with operational needs and environmental conditions determining the actual camp layout to be used. The following table provides a general list of camp structures that may be needed for the temporary camps.

Function	Tents
Kitchen	1 large tent
Drillers dry	1 large tent
Tool shed / work shop	1 small tent
Pacto shed	1 small tent
Project office (contains a 20 litre spill response kit)	1 large tent
Generator (contains a 205 litre spill response kit)	1 large tent
Drill Supplies	Outside storage in containers as needed
sleeping quarters	4 to 6 tents

Detailed description of camp location, facilities, and time period used will be provided in the annual report.

8. Provide history of the site if it has been used in the past.

Exploration for precious metals has occurred in this area of the Kitikmeot Region since the 1980's under various operators, including Back River Joint Venture, Homestake, Araurco, Kit Resources, Kinross, Miramar, and Dundee Precious Metals. Sabina acquired the Back River Properties in 2009 and has used it every year since that time to support ongoing exploration and baseline data collection.

The winter road corridor between Bathurst Inlet and the Back River Project has been used during previous exploration programs to deliver equipment, fuel, and equipment to the existing exploration camps.

CAMP LOCATION

9. Please describe proposed camp location in relation to biogeographical and geomorphological features, and water bodies.

The Marine Laydown Area is located approximately 600km northeast of the city of Yellowknife and 10km south of Kingoak. The camp is situated on the southernwestern coast of Bathurst Inlet. The proposed camp would be situated on a levelled area in the bedrock ridge approximately 50m away from the beach of Bathurst Inlet.

The winter road corridor traverses lakes and overland following as much a linear corridor as possible between the Marine Laydown Area and Goose exploration camp.

10. How was the location of the camp selected? Was the site previously used? Was assistance from the Regional Inuit Association Land Manager sought? Include maps and/or aerial photographs.

Four options were considered for the Marine Laydown Area are shown with a tradeoff study. These locations were assessed by considering: navigation and vessel maneuverability, bathymetry and foreshore slope, topography of the upland area, road access, airstrip, metocean conditions, berth face orientation, geotechnical conditions and ice conditions. Based on these criteria, the preferred location of the Marine Laydown Area was identified.

Possible locations for the temporary camps are identified at the moment include Bathurst Inlet, Del Lake, Boot Lake and Split Lake areas. Other locations may be identified through ongoing exploration activities, winter road corridor and operational needs. These locations are tentatively made because of their location to potential exploration targets and the lakes are large enough that they may accommodate ice airstrip construction.

11. Is the camp or any aspect of the project located on:

[X] Crown Lands Permit Number (s)/Expiry Date: December 13, 2013
Land Use Permit N2011F0029

[ ] Commissioners Lands
Permit Number (s)/Expiry Date: _____N/A_____

[X] Inuit Owned Lands Permit Number (s)/Expiry Date: December 13, 2013 (renewal pending) 3 (renewal pending)
License No. KTL304C017 (Goose), KTL304C018 (George), KTL204C012 (Boulder Lake), and KTL204C020 (Boot Lake)

12. Closest Communities (direction and distance in km):

The Marine Laydow Area is located approximately 600 km northeast of the city of Yellowknife and 10 km south of Kingoak. The camp is situated on the southernwestern shore of Bathurst Inlet, Artic Ocean.

13. Has the proponent notified and consulted the nearby communities and potentially interested parties about the proposed work?

No community consultation has been completed specific to this water license renewal and amendment request. Sabina maintains a community and government engagement program to discuss our current exploration programs and the development of the Back River Project. Most of our community discussions on water use and waste deposition have been of a general nature, with potential effects on water quality and quantity and potential accidental spills. In response, Sabina has implemented a Transportation Management Plan and Spill Contingency Plan that incorporate regulatory requirements, best management practices, Traditional Knowledge and community consultation commitments Full Consultation information is provided in DEIS Volume 3

14. Will the project have impacts on traditional water use areas used by the nearby communities? Will the project have impacts on local fish and wildlife habitats?

The Marine Laydown Area is expected to have no impact on traditional water use areas by nearby communities during the planned exploration and resupply season. Drilling activities take place over a very restricted area, typically 100m^2 or less and precautions are taken to minimize impact on the local environment, and best management practices are employed to handle waste and cuttings. Should any concerns arise over traditional water use areas, Sabina will work with the affected parties to address them.

The project is expected to have no or minimal impact on local fish and wildlife habitat; and any impacts will be offset. Encounters with wildlife will be kept to a minimum through a policy of camp and work site cleanliness, no hunting or fishing from camp except with a valid permit from the Government of Nunavut, and no feeding of the animals.

PURPOSE OF THE CAMP

15.
- ☐ Mining (includes exploration drilling)
- ☐ Tourism (hunting, fishing, wildlife observation, adventure/expedition, etc.) (Omit questions # 16 to 21)
- X Other: remote camp and water use

16. Activities (check all applicable)
- ☐ Preliminary site visit
- X Prospecting
- X Geological mapping
- X Geophysical survey
- X Diamond drilling
- ☐ Reverse circulation drilling
- ☐ Evaluation Drilling/Bulk Sampling (also complete separate questionnaire)
- ☐ Other:

17. Type of deposit (exploration focus):
- ☐ Lead, Zinc
- ☐ Diamond
- ☐ Gold
- ☐ Uranium
- ☐ Other: Copper, Silver

DRILLING INFORMATION

18. Drilling Activities

- **X** Land Based drilling
- **X** Drilling on ice

19. Describe what will be done with drill cuttings?

Sludge from the drills is currently captured using the megabag system and deposited in a dedicated sump in the Marine Laydown Area camp or a natural depression in the vicinity of drilling may be used for disposal of the cuttings in lieu of transporting them for extended distances by helicopter back to camp. Doing so will reduce both the costs of the operation as well as the risk of a spill by transporting the cuttings over such a long distance.

20. Describe what will be done with drill water?

Water from the drill will be recycled to minimize the quantity used, and allowed to freeze in the hole upon completion of the drilling. Experience in this region indicates that freezing of the hole takes place in a timeframe ranging from hours to days. Clarified water drains through the megabag and is allowed to disperse on the tundra (directed away from any surface water body) where it percolates into the ground and returns to the local watershed.

21. List the brand names and constituents of the drill additives to be used? Includes MSDS sheets and provide confirmation that the additives are non-toxic and biodegradable.

Available upon request and also available at various locations including the drill/equipment maintenance shops, Site Superintendent office and environment office

22. Will any core testing be done on site? Describe.

Core will be taken to either George or Goose camp to be logged and with intervals of potential economic interest sampled by sawing the core in half. Half of the core will remain in the core box for archiving and the other half will be bagged and shipped for analysis at laboratories outside Nunavut as deemed appropriate. Point load testing (hardness), magnetic susceptibility, and oriented core testing (orientation of sub-surface rocks in 3D space) may also be completed at the core logging facilities at the George and Goose camps.

SPILL CONTINGENCY PLANNING

23. The proponent is required to have a site specific Spill Contingency Plan prepared and submitted with the application This Plan should be prepared in accordance with the *NWT Environmental Protection Act, Spill Contingency Planning and Reporting Regulations, July 22, 1998* and *A Guide to the Spill Contingency Planning and Reporting Regulations, June 2002*. Please include for review.

See DEIS Vol 12, section 4.1.7 and the current Spill Contingency Plan is located in Vol 12, section 6.0.

24. How many spill kits will be on site and where will they be located?

There will be 1 spill kit located with each drill. Numerous spill kits will be located throughout the camp as outlined in the Spill Contingency Plan. At a minimum, spill kits will be located adjacent to areas where fuel or other hydrocarbons are involved (i.e. tank farm, helipads, generator shack, incinerator, dock, drummed fuel storage).

25. Please describe the types, quantities, and method of storage of fuel and chemicals on site, and provide MSDS sheets.

See DEIS Vol 12, section 4.1.6

Diesel fuel will be stored at the Marine Laydown camp in a hardwall 10ML tank (as 1x10ML or 2x5Ml) located within the lined, bermed tank farm.

Drummed fuel on site will primarily consist of Jet A and/or Jet B. Drums will be stored on their sides within artificial berms with bungs horizontal. Quantities are highly variable, with the greatest amount of fuel on site during the resupply period at the start of the season. Lesser amounts of diesel, gasoline and avgas may also be stored on site in a similar manner. Quantities of these fuels will also vary with program requirements (if needed at all in any given year).

Diesel fuel will be stored in 205L drums and in small double-walled fuel cells at each drill site. Quantities will be dynamic, but should not exceed 4-6 full drums at a time. All drums will be stored in artificial berms.

Fuel caches of Jet-A and/or Jet-B for the helicopters may be located throughout the area. As per licensing regulations, quantities will not exceed 4000L, and will consist of 205L drums contained within artificial berms, where practical. As a best management practice, these caches will be documented and reported to the AANDC and KIA Lands Inspectors.

A variety of substances are used in the day to day operation of the camp. Hydraulic fluid, motor oil and various lubricants are required for maintenance of vehicles and heavy equipment on site. These materials are currently stored in dedicated storage areas which has been fitted with plastic sheeting and enviromat in the floor to serve as a secondary containment facility.

Chemicals used during drilling activities include calcium chloride (salt) used to prevent freezing of the water in the hole, Visco which is used as a lubricant in the hole, linseed soap for cleaning of drill string components, and heavy grease to prevent seizure of drill rods to each other. Salt will be stored in instaberms or other secondary containment as appropriate, while the other materials are stored within the drillers' sea-cans located on site. Small quantities of each material are also located with each drill.

A number of products are used for cleaning and personal hygiene throughout the camp such as dish soap, laundry detergent, shampoo, and household cleaner. These materials are stored throughout the camp where needed, and are in containers typically not exceeding 1 L in volume. As such, any spill will be contained simply by the building within which the spill occurs and can be readily cleaned up, eliminating the need for any special storage requirements. The actual products may change depending on availability.

WATER SUPPLY AND TREATMENT

26. Describe the location of water sources.

A desalination plant will provide potable water for both the domestic and industrial use at the Marine Laydown Area. The water demand is expected to be 30 m^3/day for domestic use and 20 m^3/day for industrial use.

The expected water use for the construction and maintenance of the winter roads is estimated to be up to 121,500 m^3 every year to construct and maintain. The volume used will depend on environmental conditions and operational needs. Water will be drawn from various sources along the alignment of the winter road. Sabina will adhere to the DFO Operational Statements on Mineral Exploration, Culvert Maintenance, Ice Bridges and Snow Fills as well as DFO Under-Ice Water Withdrawal Protocol for the withdrawal of water.

Multiple water supply lakes will be needed along the corridor to provide the water requirements and meet DFO policies. These lakes meet two criteria as an initial identification – they are along the winter road corridor and are more than 5m deep from preliminary bathymetric surveys.

27. Estimated water use (in cubic metres/day):

✓ Domestic Use: Max. 50 m³/day Water Source: Bathurst Inlet (marine water source is not included under the NWB authorization)

☐ Drilling:

✓ Other: winter road construction and maintenance use: 200 to 250 m3/day depending on stage Water Source: variable and proximal to winter road

28. Describe water intake for camp operations? Is the water intake equipped with a mesh screen to prevent entrapment of fish? (see *DFO 1995, Freshwater Intake End-of-Pipe Fish Screen Guideline*) Describe:

The water intake is located adjacent to the dock at the Marine Laydown Area camp to supply marine water to a desalination plant. It is equipped with a screen to prevent entrapment of fish.

29. Will drinking water quality be monitored? What parameters will be analyzed and at what frequency?

Drinking water samples are collected weekly and submitted to Stanton Hospital for testing for pathogens (E. Coli.).

30. Will drinking water be treated? How?

Drinking water is pumped into a holding pool located in a heated shed adjacent to the kitchen and dry facility. Any larger particles will settle to the bottom of the pool. Filtration is then used to remove smaller suspended material. Final treatment consists of UV and chlorination.

31. Will water be stored on site?

The holding pool for camp water will store water made from the desalination plant. The pool is normally filled on an ongoing basis.

Up to 5 m³ will be stored in a plastic tank for on-demand use within the facilities such as vehicle wash, dust management and other industrial uses. Refilling of this tank is anticipated to occur on as as-needed basis.

Small volumes (up to 500 L) will be temporarily stored at the drill site should additional water be required during the drilling operations.

WASTE TREATMENT AND DISPOSAL

32. Describe the characteristics, quantities, treatment and disposal methods for:

See DEIS Vol 12, section 4.1.12 and 4.1.13

33. Please describe incineration system if used on site. What types of wastes will be incinerated?

A forced air – dual stage, diesel fueled incinerator system is used on site. Burnable solid waste such as paper, cardboard, plastic, wood, burlap cloth, fuel or oil soaked absorbent material, semi-solid waste from Pacto toilets and food preparation waste would is disposed of by burning in the incinerator.

34. Where and how will non-combustible waste be disposed of? If in a municipality in Nunavut, has authorization been granted?

Any remaining ashes and unburned residue from the incinerator are flown out for disposal or recycling at an approved disposal site. Drums of mixed hydrocarbons and water have also been trucked to a waste recycling and treatment site near Edmonton Alberta. Aluminum pop cans, and non-dairy, food grade plastic containers are collected and shipped to Yellowknife for recycling. Remaining non-combustible waste is bagged and shipped to the municipal landfill in Yellowknife.

35. Describe location (relative to water bodies and camp facilities) dimensions and volume, and freeboard for all sumps (if applicable).

If necessary, sumps for use at the various drill sites or at the camp will be located at least 31 m back from any body of water and in a location chosen to enhance infiltration and filtering of the drill return water or camp grey water. Sumps would be chosen or constructed to have dimensions of approximately 0.38 x 2 x 2 m and would have approximately 1.5 m^3 capacity. The amount of freeboard would be monitored during use and if the sump was filling up a larger sump would be constructed to contain the excess or the excess is shoveled into a megabag and moved to a more suitable location with the helicopter.

Geo-textile cloth fences are constructed on the downhill side of all new drill setups, as well as below the camp sump and dry(s) and the core cutting facility..

36. Will leachate monitoring be done? What parameters will be sampled and analyzed, and at what frequency?

NA for this application.

OPERATION AND MAINTENANCE

37. Have the water supply and waste treatment and disposal methods been used and proven in cold climate? What known O&M problems may occur? What contingency plans are in place?

The water supply system has been tested on prior work sites in Nunavut. If a coil stove water heater fails and the water lines freeze the frozen hose can be gathered up and thawed out in camp facilities. Water lines throughout camp (including greywater discharge) are either run through heated buildings or lines with heat trace to prevent freezing during winter conditions. A second generator is located in camp as a back-up power supply in the event that the main generator fails. Pacto-type toilets will avoid the need for a water-based sewage system. In the event that the incinerator fails, burnable waste, including the Pacto bags, can be flown out to Yellowknife until the incinerator is repaired. Any needed repairs or maintenance can be quickly accessed using the satellite telephone system or internet in camp, supplemented by a battery powered hand-held satellite telephone system.

ABANDONMENT AND RESTORATION

38. Provide a detailed description of progressive and final abandonment and restoration activities at the site.

See DEIS Vol 12, section 7.0 includes closure for the existing exploration camps at Goose and George and conceptual approaches to temporary and final closure for the Marine Laydown Area (section 7.3).

Closure approaches for the winter road corridors is presented in the following:

Over the time period that the road is used any litter or contamination will be removed by Sabina personnel and relocated to the existing camps for disposal. Waste generated at the temporary camps may be transported to either George or Goose camp for incineration or backhaul as appropriate. Subsequent disposal will be as per the approved waste management plans for the existing camps.

When the winter road use is completed, the corridor will be inspected for any remaining litter and contamination, cleaned, stakes are removed and if necessary snow piled/or removed at the entrance to prevent further use of the route. Between May and July the road will melt. During the summer months, the route would be inspected using a helicopter and any further reclamation work will be built into progressive reclamation for the exploration program.

Reclamation activities will also include any temporary camp locations. When the temporary camp and airstrip use is completed, any structures and equipment will be removed from the site. The area will be inspected for any remaining litter and contamination and cleaned up. At break-up the ice strip will melt. The area will be visually inspected once by Sabina in the subsequent year following the area's use and any further reclamation work will be built into progressive reclamation for the exploration program.

BASELINE DATA

39. Has or will any baseline information be collected as part of this project? Provide bibliography.

See DEIS Vol 12, section 5.0

- **X** Physical Environment (Landscape and Terrain, Air, Water, etc.)
- **X** Biological Environment (Vegetation, Wildlife, Birds, Fish and Other Aquatic Organisms, etc.)
- **X** Socio-Economic Environment (Archaeology, Land and Resources Use,
- **X** Demographics, Social and Culture Patterns, etc.)
- ☐ Other: _____

REGULATORY INFORMATION

40. At a minimum, you should ensure you have a copy of and consult the documents below for compliance with existing regulatory requirements:

- ✓ ARTICLE 13 – *NCLA -Nunavut Land Claims Agreement*
- ✓ NWNSRTA – *The Nunavut Waters and Nunavut Surface Rights Tribunal Act, 2002*
- ✓ *Northwest Territories Waters Regulations, 1993*
- ✓ NWB - Water Licensing in Nunavut - Interim Procedures and Information Guide for Applicants
- ✓ NWB - Interim Rules of Practice and Procedure for Public Hearings
- ✓ RWED – *Environmental Protection Act, R-068-93- Spill Contingency Planning and Reporting Regulations, 1993*
- ✓ RWED A Guide to the Spill Contingency Planning and Reporting Regulations, 2002
- ✓ NWTWB - Guidelines for Contingency Planning
- ✓ *Canadian Environmental Protection Act, 1999 (CEPA)*
- ✓ *Fisheries Act, RS 1985* - s.34, 35, 36 and 37
- ✓ DFO - Freshwater Intake End of Pipe Fish Screen Guideline
- ✓ NWTWB - Guidelines for the Discharge of Treated Municipal Wastewater in the NWT
- ✓ Canadian Council for Ministers of the Environment (CCME); Canadian Drinking Water Quality Guidelines, 1987
- ✓ Public Health Act - Camp Sanitation Regulations
- ✓ Public Health Act - Water Supply Regulations
- ✓ *Territorial Lands Act* and *Territorial Land Use Regulations*; Updated 2000

Appendix V12-2D

AANDC Amendment to N2010F0029

Rescan™
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Sabina
GOLD & SILVER CORP.

January 10, 2014

Jeff Mercer

Land Manager
Aboriginal Affairs and Northern Development Canada
Land Administration

969 QIMUGJUK BUILDING
PO Box 2000
Iqaluit, Nunavut X0A 0H0

Telephone : 867-975-4283

Fax : 867-975-4286

RE: Sabina Gold &Silver Corp. land use permit N2011F0029 (Winter Road Corridor – Beechey Lake) and N2010F0017 (Winter Road Corridor – Bathurst Inlet to Back River)

Dear Jeff,

Sabina Gold & Silver Corp. (Sabina) is focused on development of its 100%-owned Back River Gold Project located in the Kitikmeot Region of Nunavut. This letter is submitted with the concurrent submission of the Draft Environmental Impact Statement (DEIS) to the Nunavut Impact Review Board (NIRB; file no. 12MN036) in order to initiate the application processes for authorizations needed for Project Development. As Sabina continues ongoing engineering and feasibility studies, and the DEIS undergoes review through the NIRB process, we have been encouraged to engage regulators as early as possible to facilitate ongoing environmental assessment and subsequent regulatory/permitting processes after the issuance of the Project Certificate.

Project development is approached in a phased manner with site preparation, or preconstruction, activities occurring first. These activities are needed to ensure a timely and efficient construction and operation of the Back River Gold Project and will use the existing facilities as much as possible during site preparation. A key component of site preparation is the sealift delivery of equipment, materials and fuel to the Marine Laydown Area in the summer and transport to the Goose and George Properties in the winter. This winter road corridor traverses both Inuit Owned Land (IOL) and Crown land and is approximately 180km in length.

Due to the phasing of project development and ongoing exploration, the permitting has also been phased to ensure authorizations are in place for ongoing exploration and camp activities as well as site preparation activities for Project development. Sabina is committed to minimizing our footprint and for this reason the Crown land portions of the winter road corridor proposed to connect the Marine

Laydown Area and Goose Property during site preparation is currently permitted under AANDC land use permits N2011F0029 and N2010F0017.

In reviewing the permit terms and conditions and the NIRB screening decision (file No 09RN066), Sabina has concluded that the activities proposed during site preparation are within the scope of activities under the current permit. This letter is to advise you that Sabina is seeking exception from review to allow authorization of site preparation activities and at this time we do not see amendments to N2011F0029 or N2010F0017 being required.

Should you have any questions, concerns, or need any additional information, please do not hesitate to contact me by email at mpickard@sabinagoldsilver.com or by telephone at 604-998-4175.

Yours truly,

Matthew Pickard B.Sc., MBA, P.Geo, CRSP, EP
Vice President, Environment & Sustainability
Sabina Gold & Silver Corp.

930 West 1st Street, Suite 202
North Vancouver, BC V7P 3N4
Tel (Vancouver): 604.998.4190/888.648.4218
Fax (Vancouver): 604.998.1051
Email: mpickard@sabinagoldsilver.com

Appendix V12-2E

KIA Amendment to KTL304C017

Rescan™
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KITIKMEOT INUIT ASSOCIATION
LANDS DIVISION
APPLICATION FOR ACCESS TO INUIT OWNED LAND

Office use only			
Category	Application No:	Accepted By:	Date Accepted:

To be completed by all applicants

1. Applicant's name and mailing address (Full name, no initials or abbreviations) Mr. Matthew Pickard B.Sc., MBA, P.Geo, CRSP, EP Vice President, Environment and Sustainability Sabina Gold & Silver Corp. 930 West 1st Street, Suite 202 North Vancouver, BC V7P 3N4	Fax no. 604-998-1051 Telephone no. Office: 604-998-4175 Toll Free: 888-648-4218
2. Head Office address Note: Corporate Head Office is the same address, fax and office phone number as Section 1.	Fax no. Telephone no.
3. Field supervisor and address if different from above To Be Determined	Telephone no. Same as above

4. Other personnel list (Subcontractors or contractors to be used)

subcontractors and contractors to be determined

Total no. of personnel: 120 people No. of person days: estimated 24000 pers. days (200 days X 120 ppl.) / year

5. Location of activities by map coordinates. Attach **ORIGINAL** maps and sketches.

See DEIS Volume 12, Figure 2.1-2

MAX Lat Min 47	MIN Lat Deg 65	MIN Lat Min 24	MAX Lat Deg 65
MAX Long Min 15	MIN Long Deg -107	MIN Long Min 07	MAX Long Deg -106

Map Sheet No: 76G/09 Inuit Land Parcel No: BB-13

Coordinate of camp (if applicable) Lat. 65º32‘40“N Long. -106º25‘41“W

6. Periods of operation including periods of seasonal shut down and periods for restoration.

The existing Goose exploration camp operates seasonally approximately January to October

7. Period of access required (up to one or two years for licenses, depending on license level, up to five years for residential/recreational leases and level I and II commercial leases)	Start date	Completion Date
	D E C 1 3 2013	D E C 1 3 2015

8. Other rights, licenses, permits or leases related to this application. Provide proof of rights or indicate if in the process of applying for rights.

- ☐ NTI Subsurface Right
- X DIAND Subsurface Right
- X NWB Water License
- ☐ NRI Research License
- ☐ RWED Tourism License
- X Explosives Permit
- ☐ CWS Permit
- ☐ Other – Please Specify _____

See DEIS Volume 12, section 3.3for a current licenses, permits or leases held by Sabina.

9. TYPE OF LAND USE ACTIVITY

Check off the appropriate land use activities.

Mining/Oil & Gas
- X staking and prospecting
- X exploration (geophys-grd/air)
- X drilling (diamond/ice, etc.)
- ☐ bulk sampling
- ☐ mine (open pit, undergrd, etc.)
- X bulk fuel storage
- ☐ other: _____

Construction:
- X camp
- ☐ building
- X winter road
- X all-season road
- X quarrying
- ☐ other: _____

Tourism:
- ☐ tourism facility
- ☐ outfitting
- ☐ other: _____

Municipality:
- ☐ bulk storage of fuel
- ☐ residential building
- ☐ commercial building
- ☐ other: _____

Research:
- ☐ wildlife/fish/birds/marine
- ☐ survey (grd/aerial/collars)
- ☐ collection of species
- ☐ research station
- ☐ other: _____

Other:
- ☐ commercial harvest
- ☐ recreational camp
- ☐ _____
- ☐ _____

10. TYPE OF WATER USE

Check off the kind of project for which water will be used and the type of water use.

Undertaking	*Water Use:*
X Advanced Exploration	X To obtain water
X Exploration Drilling	☐ To modify the bed or bank of water course
☐ Industrial	X To Alter the flow of, or store water
X Mine Development (site preparation)	X To cross the watercourse
☐ Power	☐ To Divert the watercourse
☐ Remote/Tourism	☐ Flood control
☐ Other: _____	☐ Other: _____

11. QUANTITY OF WATER INVOLVED

Please include an estimate of the quantity of water to be used during the land use activity.

Quantity of water to be used will be in accordance with the existing Nunavut Water Board Water Licence 2BE-GOO1015 Type 'B' and will not to exceed 297 m^3/day.

12. On a separate page, provide a NON-TECHNICAL project summary. This should include a non-technical description of the project proposal, no more than 300 words, in English and Inuktituk (Inuinaktun, in the West Kitikmeot). The project description should outline the project activities and their necessity, method of transportation, any structures that will be erected, expected duration of activity and alternatives considered. If the proposed activity fits into any long-term developments, please describe the projected outcome of the development for the area and its timeline.

See Volume 12, section 1.0

13. Attach a detailed project description as outlined in APPENDIX A.
See attached conformity table and Volume 12, section 4.3 for detail project description

14. LAND USE APPLICATION FEES:

☐ Land use license I -
Inuit - $ 0
Non-Inuit - $100 per 1:250,000 NTS Map Sheet

☐ Land use license II - $250

X Land use license III- $500

☐ Commercial Lease I - $ 500
☐ Commercial Lease II - $1000
☐ Commercial Lease III - $5000

☐ Residential/Recreational Lease Inuit - $ 0
Non-Inuit - $250

☐ Exemption Certificate

Land use fees: # of hectares used @ $50.00/hectare = $_____

Note: The land use fee is for the amount of land used on an annual basis.

15. WATER USE APPLICATION FEES:

☐ Land use license I
Application fee - $50/year
Water use fee - $1/1000m^3

☐ Land use license II
Application fee - $250/2 years
Water use fee - $1/1000m^3

☐ Land use license III
Application fee - $500/2 years
Water use fee - $26.35/1000m^3

☐ Commercial Lease I
Application fee - $50/year
Water use fee - $26.35/1000m^3

☐ Commercial Lease II
Application fee - $500/year
Water use fee - $26.35/1000m^3

☐ Commercial Lease III
Application fee - $5000/year + Legal Fees
Water use fee - $26.35/1000m^3

Water use fees: volume of water used (m^3) * Water use fee = $_____

Note: The water application type is related to the land use application type.

16. a) The Applicant requests a Certificate of Exemption ☐

OR

b) The Applicant agrees to be bound by terms and conditions to be attached to the Inuit Land Use License or Lease. ☐

Sign name in full: _____ January 10, 2014
Signature Date

Appendix A Table of Concordance - KIA LUP KTL304C017 Amendment		Location within Back River Project DEIS Volume 12
Item No.	**Item**	
1	Outline project activities, their necessity, their expected duration and alternatives considered. If the proposed activity fits into any long-term developments, describe the projected outcome of the development for the area and its timeline.	1.0
2	Schedule of activities including both operations and shutdowns.	preamble
3	Provide a preliminary plan showing the location of the lands proposed to be used and an estimate of their area in hectares. The preliminary plan should show the approximate location of all:	Figure 2.1-4
i)	existing or new lines, trails, rights-of-way and cleared areas proposed to be used in the exercise of the Right;	Figure 2.1-4
ii)	buildings, campsites, air landing strips, air navigation aids, fuel and supply storage sites, waste disposal sites, excavations, ponds, reservoirs and other works and places proposed to be constructed or used during the exercise of the Right;	Figure 2.1-4
iii)	manmade structures and works, including bridges, dams, ditches, highways, roads, transmission lines, pipelines, survey lines and monuments, air landing strips; all topographical and natural features, including eskers, rivers, streams, lakes, inland seas and ponds; and all areas of biological interest, including wildlife and fish habitat, specifically, calving, denning, spawning or nesting areas, identified in consultation with the NWMB, RWO, or HTO, as appropriate, that may be affected by the exercise of the Right; and	Figure 2.1-4
iv)	the accurate location of all carving stone, archaeological sites, and archaeological specimens.	not applicable
4	Provide a list of structures that will be erected.	4.3
5	Equipment to be used, indicating type and number, size and ground pressure and proposed use. Include all drills, pumps, vehicles etc.	TBD; current list of equipment is included in Volume 12, appendix 2A
6	Fuels to be used, capacity of containers and number of litres. Include diesel, gasoline, aviation fuel, propane and other fuel types. Describe method of fuel transfer.	4.3.5
7	Provide a copy of fuel spill contingency plan	6.1

Appendix A Table of Concordance - KIA LUP KTL304C017 Amendment		Location within Back River Project DEIS Volume 12
Item No.	**Item**	
8	Proposed disposal methods for garbage, sewage, grey water, overburden (organic soil, waste material, tailings etc.), hazardous waste and other waste products. Describe the acid rock drainage potential of waste rock materiel and testing methods, if applicable. List the type, estimated quantities and storage methods of any hazardous materials that are going to be stored on the property.	3.5.1 and Volume 12 appendix 2A
9	Describe the methods of transportation.	4.3.2, 4.3.7
10	Indicate the components of the environment that are near the project area, as applicable. Include the type of species, the important habitat area (calving, staging, denning, migratory pathways, spawning, nesting etc.) and the critical time periods (calving, post-calving, spawning, nesting, breeding etc.). Also include information on eskers, communities and historical/archaeological sites.	5.2
11	Summary of potential environmental, wildlife and resource impacts and mitigation measures to be used. Describe the effects of the proposed program on lands, water, flora and fauna.	5.2
12	Reclamation cost analysis for advanced exploration activities.	TBD
13	Proposed reclamation plan, that includes, but is not limited to the proposed methods and procedures for the progressive:	7.1
i)	removal of all structures, equipment, and other manmade debris;	7.1
ii)	rehabilitation of the area to its previous standard of human utilization and natural productivity;	7.1
iii)	replacement of overburden and soil;	7.1
iv)	grading of the area back to is natural contours; and	7.1
v)	re-establishment, to the extent possible, of flora.	7.1
	Include information about on going site remediation throughout the duration of the project.	7.1
14	Provide information on the socio-economic aspects of these activities. In particular, please provide details on:	3.5
i)	How much money will be spent on this work?	3.5
ii)	What percentage will go to Inuit firms or employees?	3.5
iii)	How many jobs are available through this activity?	3.5
iv)	How many Inuit employees will be hired?	3.5
v)	What type of training opportunities for Inuit will be offered?	3.5

Appendix V12-2F

KIA Amendment to KTP11Q001

Rescan™
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Sabina
GOLD & SILVER CORP.

January 10, 2014

Wynter Kuliktana
Lands Officer - Kitikmeot Inuit Association
PO Box 360
Kugluktuk, NU XOB 0E0

RE: Revised quarry boundaries within meters and bounds of KTP11Q001

Dear Wynter,

Sabina Gold & Silver Corp (Sabina) is focused on development of its 100%-owned Back River Gold Project located in the Kitikmeot Region of Nunavut. This letter is submitted with the concurrent submission of the Draft Environmental Impact Statement (DEIS) to the Nunavut Impact Review Board (NIRB; file no. 12MN036) in order to initiate the application processes for authorizations needed for Project Development. As Sabina continues ongoing engineering and feasibility studies, and the DEIS undergoes review through the NIRB process, we have been encouraged to engage regulators as early as possible to facilitate ongoing environmental assessment and subsequent regulatory/permitting processes after the issuance of the Project Certificate.

Project development is approached in a phased manner with site preparation, or preconstruction, activities occurring first. These activities will be supported by the existing camp and infrastructure improvements for site preparation are needed to ensure a timely and efficient construction and operation of the Back River Gold Project. These infrastructure improvements include extending the existing the all-weather airstrip and constructing an all-weather road corridor from the existing Goose camp to the rock quarry west of camp and onto the Umwelt-Llama proposed exploration area laydown area. These amendments to the land use license are under a separate request, however, it is anticipated that the bulk of the material needed for these improvements will be available within the boundaries of the existing Goose Rock Quarry

This letter is to advise you that additional material will be extracted from within the existing boundaries of KIA quarry agreement KTP11Q001. These quarry activities would be conducted similar to previous programs and an updated Quarry Management Plan will be submitted 60 days prior to the start of quarry operations.

Should you have any questions, concerns, or need any additional information, please do not hesitate to contact me by email at mpickard@sabinagoldsilver.com or by telephone at 604-998-4175.

Yours truly,

Matthew Pickard B.Sc., MBA, P.Geo, CRSP, EP
Vice President, Environment & Sustainability
Sabina Gold & Silver Corp.

930 West 1st Street, Suite 202
North Vancouver, BC V7P 3N4
Tel (Vancouver): 604.998.4190/888.648.4218
Fax (Vancouver): 604.998.1051
Email: mpickard@sabinagoldsilver.com

Appendix V12-2G

KIA Amendment to KTL304C018

Rescan™
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KITIKMEOT INUIT ASSOCIATION
LANDS DIVISION
APPLICATION FOR ACCESS TO INUIT OWNED LAND

Office use only

Category	Application No:	Accepted By:	Date Accepted:

To be completed by all applicants

1. Applicant's name and mailing address (Full name, no initials or abbreviations) Mr. Matthew Pickard B.Sc., MBA, P.Geo, CRSP, EP Vice President, Environment and Sustainability Sabina Gold & Silver Corp. 930 West 1st Street, Suite 202 North Vancouver, BC V7P 3N4	Fax no. 604-998-1051 Telephone no. Office: 604-998-4175 Toll Free: 888-648-4218
2. Head Office address Note: Corporate Head Office is the same address, fax and office phone number as Section 1.	Fax no. Telephone no.
3. Field supervisor and address if different from above To Be Determined	Telephone no.

4. Other personnel list (Subcontractors or contractors to be used)

subcontractors and contractors to be determined

Total no. of personnel: up to 75 No. of person days: estimated 15000 pers. days (200 days X 75 ppl.) / year

5. Location of activities by map coordinates. Attach **ORIGINAL** maps and sketches.

See Volume 12, Figure 2.1-2

MAX Lat Min 57	MIN Lat Deg 65	MIN Lat Min 33	MAX Lat Deg 65
MAX Long Min 21	MIN Long Deg -107	MIN Long Min 52	MAX Long Deg -107

Map Sheet No: 76G/13 & 76G14 Inuit Land Parcel No: BB-15

Coordinate of camp (if applicable) Lat. 65 °55‘13“ N Long. -107°27 ‘35“ W

6. Periods of operation including periods of seasonal shut down and periods for restoration.

The existing George exploration camp operates seasonally approximately January to October

7. Period of access required (up to one or two years for licenses, depending on license level, up to five years for residential/recreational leases and level I and II commercial leases)	Start date	Completion Date
	D E C 1 3 2013	D E C 1 3 2015

8. Other rights, licenses, permits or leases related to this application. Provide proof of rights or indicate if in the process of applying for rights.

- ☐ NTI Subsurface Right
- X DIAND Subsurface Right
- X NWB Water License
- ☐ NRI Research License
- ☐ RWED Tourism License
- X Explosives Permit
- ☐ CWS Permit
- ☐ Other – Please Specify

_____

_____

See DEIS Volume 12, section 3.3 for a list of current licenses, permits or leases held by Sabina.

9. TYPE OF LAND USE ACTIVITY

Check off the appropriate land use activities.

Mining/Oil & Gas
- X staking and prospecting
- X exploration (geophys-grd/air)
- X drilling (diamond/ice, etc.)
- ☐ bulk sampling
- ☐ mine (open pit, undergrd, etc.)
- X bulk fuel storage
- ☐ other: _____

Construction:
- X camp
- ☐ building
- X winter road
- X all-season road
- X quarrying
- ☐ other: _____

Tourism:
- ☐ tourism facility
- ☐ outfitting
- ☐ other: _____

Municipality:
- ☐ bulk storage of fuel
- ☐ residential building
- ☐ commercial building
- ☐ other: _____

Research:
- ☐ wildlife/fish/birds/marine
- ☐ survey (grd/aerial/collars)
- ☐ collection of species
- ☐ research station
- ☐ other: _____

Other:
- ☐ commercial harvest
- ☐ recreational camp
- ☐ _____
- ☐ _____

10. TYPE OF WATER USE

Check off the kind of project for which water will be used and the type of water use.

Undertaking	*Water Use:*
X Advanced Exploration	X To obtain water
X Exploration Drilling	☐ To modify the bed or bank of water course
☐ Industrial	☐ To Alter the flow of, or store water
X Mine Development (site preparation)	X To cross the watercourse
☐ Power	☐ To Divert the watercourse
☐ Remote/Tourism	☐ Flood control
☐ Other: _____	☐ Other: _____

11. QUANTITY OF WATER INVOLVED

Please include an estimate of the quantity of water to be used during the land use activity.

Quantity of water to be used will be in accordance with the existing Nunavut Water Board Water Licence 2BE-GEO1015 Type 'B' and will not to exceed 175 m^3/day.

12. On a separate page, provide a NON-TECHNICAL project summary. This should include a non-technical description of the project proposal, no more than 300 words, in English and Inuktituk (Inuinaktun, in the West Kitikmeot). The project description should outline the project activities and their necessity, method of transportation, any structures that will be erected, expected duration of activity and alternatives considered. If the proposed activity fits into any long-term developments, please describe the projected outcome of the development for the area and its timeline.

See Volume 12, section 1.0

13. Attach a detailed project description as outlined in APPENDIX A.
See attached conformity table and Volume 12, section 4.4 for detail project description

14. LAND USE APPLICATION FEES:

☐ Land use license I - Inuit - $ 0; Non-Inuit - $100 per 1:250,000 NTS Map Sheet

☐ Land use license II - $250

X Land use license III- $500

☐ Commercial Lease I - $ 500

☐ Commercial Lease II - $1000

☐ Commercial Lease III - $5000

☐ Residential/Recreational Lease Inuit - $ 0; Non-Inuit - $250

☐ Exemption Certificate

Land use fees: # of hectares used @ $50.00/hectare = $_____

Note: The land use fee is for the amount of land used on an annual basis.

15. WATER USE APPLICATION FEES:

- ☐ Land use license I
  Application fee - $50/year
  Water use fee - $1/1000m^3
- ☐ Land use license II
  Application fee - $250/2 years
  Water use fee - $1/1000m^3
- ☐ Land use license III
  Application fee - $500/2 years
  Water use fee - $26.35/1000m^3
- ☐ Commercial Lease I
  Application fee - $50/year
  Water use fee - $26.35/1000m^3
- ☐ Commercial Lease II
  Application fee - $500/year
  Water use fee - $26.35/1000m^3
- ☐ Commercial Lease III
  Application fee - $5000/year + Legal Fees
  Water use fee - $26.35/1000m^3

Water use fees: volume of water used (m^3) * Water use fee = $_____

Note: The water application type is related to the land use application type.

16. a) The Applicant requests a Certificate of Exemption ☐

OR

b) The Applicant agrees to be bound by terms and conditions to be attached to the Inuit Land Use License or Lease. ☐

Sign name in full: _____ January 10, 2014

Signature Date

Appendix A Table of Concordance - KIA LUP KTL304C018 Amendment		Location within Back River Project DEIS Volume 12
Item No.	**Item**	
1	Outline project activities, their necessity, their expected duration and alternatives considered. If the proposed activity fits into any long-term developments, describe the projected outcome of the development for the area and its timeline.	1.0
2	Schedule of activities including both operations and shutdowns.	preamble
3	Provide a preliminary plan showing the location of the lands proposed to be used and an estimate of their area in hectares. The preliminary plan should show the approximate location of all:	Figure 2.1-5
i)	existing or new lines, trails, rights-of-way and cleared areas proposed to be used in the exercise of the Right;	Figure 2.1-5
ii)	buildings, campsites, air landing strips, air navigation aids, fuel and supply storage sites, waste disposal sites, excavations, ponds, reservoirs and other works and places proposed to be constructed or used during the exercise of the Right;	Figure 2.1-5
iii)	manmade structures and works, including bridges, dams, ditches, highways, roads, transmission lines, pipelines, survey lines and monuments, air landing strips; all topographical and natural features, including eskers, rivers, streams, lakes, inland seas and ponds; and all areas of biological interest, including wildlife and fish habitat, specifically, calving, denning, spawning or nesting areas, identified in consultation with the NWMB, RWO, or HTO, as appropriate, that may be affected by the exercise of the Right; and	Figure 2.1-5
iv)	the accurate location of all carving stone, archaeological sites, and archaeological specimens.	not applicable
4	Provide a list of structures that will be erected.	4.4
5	Equipment to be used, indicating type and number, size and ground pressure and proposed use. Include all drills, pumps, vehicles etc.	TBD; current list of equipment is included in Volume 12, appendix 2B
6	Fuels to be used, capacity of containers and number of litres. Include diesel, gasoline, aviation fuel, propane and other fuel types. Describe method of fuel transfer.	4.4.4
7	Provide a copy of fuel spill contingency plan	6.2

Appendix A Table of Concordance - KIA LUP KTL304C018 Amendment		Location within Back River Project DEIS Volume 12
Item No.	**Item**	
8	Proposed disposal methods for garbage, sewage, grey water, overburden (organic soil, waste material, tailings etc.), hazardous waste and other waste products. Describe the acid rock drainage potential of waste rock materiel and testing methods, if applicable. List the type, estimated quantities and storage methods of any hazardous materials that are going to be stored on the property.	3.5.1 and Volume 12 appendix 2B
9	Describe the methods of transportation.	3.5.1
10	Indicate the components of the environment that are near the project area, as applicable. Include the type of species, the important habitat area (calving, staging, denning, migratory pathways, spawning, nesting etc.) and the critical time periods (calving, post-calving, spawning, nesting, breeding etc.). Also include information on eskers, communities and historical/archaeological sites.	5.2
11	Summary of potential environmental, wildlife and resource impacts and mitigation measures to be used. Describe the effects of the proposed program on lands, water, flora and fauna.	5.2
12	Reclamation cost analysis for advanced exploration activities.	TBD
13	Proposed reclamation plan, that includes, but is not limited to the proposed methods and procedures for the progressive:	7.2
i)	removal of all structures, equipment, and other manmade debris;	7.2
ii)	rehabilitation of the area to its previous standard of human utilization and natural productivity;	7.2
iii)	replacement of overburden and soil;	7.2
iv)	grading of the area back to is natural contours; and	7.2
v)	re-establishment, to the extent possible, of flora.	7.2
	Include information about on going site remediation throughout the duration of the project.	7.2
14	Provide information on the socio-economic aspects of these activities. In particular, please provide details on:	3.5
i)	How much money will be spent on this work?	3.5
ii)	What percentage will go to Inuit firms or employees?	3.5
iii)	How many jobs are available through this activity?	3.5
iv)	How many Inuit employees will be hired?	3.5
v)	What type of training opportunities for Inuit will be offered?	3.5

Appendix V12-2H

KIA Amendment to KTL304F049

Rescan™
an ERM company

KITIKMEOT INUIT ASSOCIATION
LANDS DIVISION
APPLICATION FOR ACCESS TO INUIT OWNED LAND

Kitikmeot Inuit Association
Kitikmeot Inuit Katuyikatigit
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Office use only

Category	Application No:	Accepted By:	Date Accepted:

To be completed by all applicants

1. Applicant's name and mailing address (Full name, no initials or abbreviations) *Matthew Pickard* *Sabina Gold & Silver Corp.* *930 West 1st Street, Suite 202* *North Vancouver, BC V7P 3N4*	Fax no. *604-998-1051* Telephone no. *604-998-4175* *888-648-4218*
2. Head Office address	Fax no. Telephone no.
3. Field supervisor and address if different from above *John Laitin and Fred Penner* *[Head office address]*	Telephone no.

4. Other personnel list (Subcontractors or contractors to be used)

Total no. of personnel: *Up to 100*   No. of person days: *Up to 30,000*

5. Location of activities by map coordinates. Attach **ORIGINAL** maps and sketches.

MIN Lat Deg 66°	MIN Lat Min 14'	MAX Lat Deg 66°	MAX Lat Min 38'
MIN Long Deg 107°	MIN Long Min 10'	MAX Long Deg 107°	MAX Long Min 40'

Map Sheet No: *76J/05, /06, /07, /11 /12*   Inuit Land Parcel No: *BB-02, BB-12, BB-13, BB-15*

Coordinate of camp (if applicable) Lat. 66°38' Long. 107°40' (Marine Laydown Area camp)

6. Periods of operation including periods of seasonal shut down and periods for restoration.

The establishment of a Marine Laydown Area is needed to accommodate the delivery of fuel, equipment and supplies during the open water shipping with an associated seasonal construction and use of a winter road to deliver these items from the Marine Laydown Area to the Back River Project. This infrastructure will support site preparation and construction of the Back River Project as well as provide annual resupply for operations.

7. Period of access required (up to one or two years for licenses, depending on license level, up to five years for residential/recreational leases and level I and II commercial leases, and up to forty years for level III commercial leases)	Start date *November 1 2014*	Completion Date *October 31 2016*

8. Other rights, licenses, permits or leases related to this application. Provide proof of rights or indicate if in the process of applying for rights.

- ☐ NTI Subsurface Right
- ☐ DIAND Subsurface Right
- ☑ ***NWB Water License***
  _____
- ☐ NRI Research License
- ☐ RWED Tourism License
- ☐ Explosives Permit
- ☐ CWS Permit
- ☐ Other – Please Specify

9. TYPE OF LAND USE ACTIVITY

Check off the appropriate land use activities.

Mining/Oil & Gas
- X staking and prospecting
- X exploration (geophys-grd/air)
- X drilling (diamond/ice, etc.)
- ☐ bulk sampling
- ☐ mine (open pit, undergrd, etc.)
- X bulk fuel storage
- ☐ other: _____

Construction:
- X *camp*
- ☐ building
- X ***winter road***
- ☐ all-season road
- ☐ quarrying
- ☐ other: _____

Tourism:
- ☐ tourism facility
- ☐ outfitting
- ☐ other: _____

Municipality:
- ☐ bulk storage of fuel
- ☐ residential building
- ☐ commercial building
- ☐ other: _____

Research:
- ☐ wildlife/fish/birds/marine
- ☐ survey (grd/aerial/collars)
- ☐ collection of species
- ☐ research station
- ☐ other: _____

Other:
- ☐ commercial harvest
- ☐ recreational camp
- ☐ _____
- ☐ _____

10. TYPE OF WATER USE

Check off the kind of project for which water will be used and the type of water use.
Water use for the Marine Laydown Area camp and winter roads will be under separate Type B water licenses during site preparation (preconstruction). These applications are included in DEIS Volume 12, appendix 2C

Undertaking
- ☐ Advanced Exploration
- ☐ Exploration Drilling
- ☐ Industrial
- ☐ Mine Development
- ☐ Power
- ☐ Remote/Tourism
- X ***Other: transportation corridor***

Water Use:
- X ***To obtain water***
- ☐ To modify the bed or bank of water course
- ☐ To Alter the flow of, or store water
- X ***To cross the watercourse (route will include crossing frozen waterways)***
- ☐ To Divert the watercourse
- ☐ Flood control
- ☐ Other: _____

11. QUANTITY OF WATER INVOLVED

Please include an estimate of the quantity of water to be used during the land use activity.

Quantity of water to be used (estimate): _____ m^3/year

The expected water use for the construction and maintenance of the winter roads is estimated to be up to 121,500 m^3 every year to construct and maintain. The volume used will depend on environmental conditions and operational needs. Water will be drawn from various sources along the alignment of the winter road. Sabina will adhere to the DFO Operational Statements on Mineral Exploration, Culvert Maintenance, Ice Bridges and Snow Fills as well as DFO Under-Ice Water Withdrawal Protocol for the withdrawal of water. Potential Fresh Water Sources are located on DEIS Volume 12, Figure 2.1-3

A desalination plant will provide water to the Marine Laydown Area at a rate of 50 m^3/day to include 30 m^3/day for domestic use and 20 m^3/day industrial use.

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12. On a separate page, provide a NON-TECHNICAL project summary. This should include a non-technical description of the project proposal, no more than 300 words, in English and Inuktituk (Inuinaktun, in the West Kitikmeot). The project description should outline the project activities and their necessity, method of transportation, any structures that will be erected, expected duration of activity and alternatives considered. If the proposed activity fits into any long-term developments, please describe the projected outcome of the development for the area and its timeline.

See DEIS Volume 12, section 1.0

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13. Attach a detailed project description as outlined in APPENDIX B.
See attached conformity table and Volume 12, section 4.3 for detail project description

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14. LAND USE APPLICATION FEES:

☑ ***Land use license I***
Inuit ***$0***
Non-Inuit ***$100 per 1:250,000 NTS Map Sheet***
☐ Land use license II $250
☐ Land use license III $500

☐ Residential/Recreational Lease
Inuit $0
Non-Inuit $250

☐ Exemption Certificate

☐ Commercial Lease I - $ 500
☐ Commercial Lease II - $1000
☐ Commercial Lease III - $5000

Land use fees: # of hectares used @ $50.00/hectare = $_____

Note: The land use fee is for the amount of land used on an annual basis.

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15. WATER USE APPLICATION FEES:

☐ Land use license I
Application fee - $50/year
Water use fee - $1/1000$m^3$

☐ Commercial Lease I
Application fee - $50/year
Water use fee - $26.35/1000$m^3$

☐ Land use license II
Application fee - $250/2 years
Water use fee - $1/1000m^3

X Land use license III
Application fee - $500/2 years
Water use fee - $26.35/1000m^3

☐ Commercial Lease II
Application fee - $500/year
Water use fee - $26.35/1000m^3

☐ Commercial Lease III
Application fee - $5000/year + Legal Fees
Water use fee - $26.35/1000m^3

Water use fees: volume of water used (m^3) * Water use fee = *$*

Note: The water application type is related to the land use application type.

16. ☐ The Applicant requests a Certificate of Exemption

OR

X The Applicant agrees to be bound by terms and conditions to be attached to the Inuit Land Use License or Lease

Sign name in full: _____ January 10, 2014

Signature Date

Appendix A Table of Concordance – New Application for Marine Laydown Area and Winter Road for site preparation activities		Location within Back River Project DEIS Volume 12
Item No.	**Item**	
1	Outline project activities, their necessity, their expected duration and alternatives considered. If the proposed activity fits into any long-term developments, describe the projected outcome of the development for the area and its timeline.	1.0
2	Schedule of activities including both operations and shutdowns.	preamble
3	Provide a preliminary plan showing the location of the lands proposed to be used and an estimate of their area in hectares. The preliminary plan should show the approximate location of all:	Figure 2.1-1, Figure 2.1-2
i)	existing or new lines, trails, rights-of-way and cleared areas proposed to be used in the exercise of the Right;	Figure 2.1-1, Figure 2.1-2
ii)	buildings, campsites, air landing strips, air navigation aids, fuel and supply storage sites, waste disposal sites, excavations, ponds, reservoirs and other works and places proposed to be constructed or used during the exercise of the Right;	Figure 2.1-1, Figure 2.1-2
iii)	manmade structures and works, including bridges, dams, ditches, highways, roads, transmission lines, pipelines, survey lines and monuments, air landing strips; all topographical and natural features, including eskers, rivers, streams, lakes, inland seas and ponds; and all areas of biological interest, including wildlife and fish habitat, specifically, calving, denning, spawning or nesting areas, identified in consultation with the NWMB, RWO, or HTO, as appropriate, that may be affected by the exercise of the Right; and	Figure 2.1-1, Figure 2.1-2
iv)	the accurate location of all carving stone, archaeological sites, and archaeological specimens.	not applicable
4	Provide a list of structures that will be erected.	4.1
5	Equipment to be used, indicating type and number, size and ground pressure and proposed use. Include all drills, pumps, vehicles etc.	TBD
6	Fuels to be used, capacity of containers and number of litres. Include diesel, gasoline, aviation fuel, propane and other fuel types. Describe method of fuel transfer.	4.1.6
7	Provide a copy of fuel spill contingency plan	4.1.7

Appendix A Table of Concordance – New Application for Marine Laydown Area and Winter Road for site preparation activities		Location within Back River Project DEIS Volume 12
Item No.	**Item**	
8	Proposed disposal methods for garbage, sewage, grey water, overburden (organic soil, waste material, tailings etc.), hazardous waste and other waste products. Describe the acid rock drainage potential of waste rock materiel and testing methods, if applicable. List the type, estimated quantities and storage methods of any hazardous materials that are going to be stored on the property.	4.1.12, 4.1.13
9	Describe the methods of transportation.	4.1.3, 4.1.15
10	Indicate the components of the environment that are near the project area, as applicable. Include the type of species, the important habitat area (calving, staging, denning, migratory pathways, spawning, nesting etc.) and the critical time periods (calving, post-calving, spawning, nesting, breeding etc.). Also include information on eskers, communities and historical/archaeological sites.	5.2
11	Summary of potential environmental, wildlife and resource impacts and mitigation measures to be used. Describe the effects of the proposed program on lands, water, flora and fauna.	5.2
12	Reclamation cost analysis for advanced exploration activities.	TBD
13	Proposed reclamation plan, that includes, but is not limited to the proposed methods and procedures for the progressive:	7.3
i)	removal of all structures, equipment, and other manmade debris;	7.3
ii)	rehabilitation of the area to its previous standard of human utilization and natural productivity;	7.3
iii)	replacement of overburden and soil;	7.3
iv)	grading of the area back to is natural contours; and	7.3
v)	re-establishment, to the extent possible, of flora.	7.3
	Include information about on going site remediation throughout the duration of the project.	7.3
14	Provide information on the socio-economic aspects of these activities. In particular, please provide details on:	3.5
i)	How much money will be spent on this work?	3.5
ii)	What percentage will go to Inuit firms or employees?	3.5
iii)	How many jobs are available through this activity?	3.5
iv)	How many Inuit employees will be hired?	3.5
v)	What type of training opportunities for Inuit will be offered?	3.5

Appendix V12-2I

KIA New Quarry Application for Goose Property

Rescan™
an ERM company

KITIKMEOT INUIT ASSOCIATION
LANDS DIVISION
APPLICATION FOR ACCESS TO INUIT OWNED LAND

Office use only

Category	Application No:	Accepted By:	Date Accepted:

To be completed by all applicants

1. Applicant's name and mailing address (Full name, no initials or abbreviations) Matthew Pickard Sabina Gold and Silver Corp. 930 West 1st St., Suite 202 North Vancouver, B.C. V7P 3N4	Fax no. 604-998-1051 Telephone no. 604-998-4175 888-648-4218
2. Head Office address	Fax no. Telephone no.
3. Field supervisor and address if different from above John Laitin and Fred Penner (same address as head office)	Telephone no.

4. Other personnel list (Subcontractors or contractors to be used)

Sabina personnel: up to 10 people x 200 Days = 2,000 people days

Contractor: up to 50 people x 200 Days = 6,000 people days

Total no. of personnel: up to 60 No. of person days: 200

4. Location of activities by map coordinates. Attach **ORIGINAL** maps and sketches.

MAX Lat Min 47'	MIN Lat Deg 65°N	MIN Lat Min 24'	MAX Lat Deg 65°N
MAX Long Min 15'	MIN Long Deg 107° W	MIN Long Min 07'	MAX Long Deg 106°W

Map Sheet No: 76F/09 Inuit Land Parcel No: BB-13

Coordinate of camp (if applicable) Lat. 65° 32' 42" Long. 106° 25' 43"

6. Periods of operation including periods of seasonal shut down and periods for restoration.

Operation of the Umwelt area quarry to start in Q1 2015 as part of site preparation activities for the Back River Project. The quarry would operate concurrent with ongoing exploration and advanced exploration activities supported by the existing Goose camp. Quarry material may be ripped, shoveled and excavated and moved by equipment to the construction area for immediate use. The material will be used during site preparation activities to build the all-weather airstrip and all-weather road between existing Goose camp and quarry location.

7. Period of access required (up to one or two years for licenses, depending on license level, up to five years for residential/recreational leases and level I and II commercial leases, and up to forty years for level III commercial leases)	Start date November 1, 2014	Completion Date October 31, 2019

8. Other rights, licenses, permits or leases related to this application. Provide proof of rights or indicate if in the process of applying for rights.

- ☐ NTI Subsurface Right
- ☐ DIAND Subsurface Right
- X NWB Water License
- ☐ NRI Research License
- ☐ RWED Tourism License
- ☐ Explosives Permit
- ☐ CWS Permit
- X Other – Please Specify _Access to Inuit Owed Land

See DEIS Volume 12, section 3.3 for a list of mineral tenure and authorizations held by Sabina

9. TYPE OF LAND USE ACTIVITY

Check off the appropriate land use activities.

Mining/Oil & Gas
- ☐ staking and prospecting
- ☐ exploration (geophys-grd/air)
- X drilling (diamond/ice, etc.)
- ☐ bulk sampling
- ☐ mine (open pit, undergrd, etc.)
- ☐ bulk fuel storage
- ☐ other: _____

Construction:
- ☐ camp
- ☐ building
- X winter road
- X all-season road
- X quarrying
- ☐ other: _____

Tourism:
- ☐ tourism facility
- ☐ outfitting
- ☐ other: _____

Municipality:
- ☐ bulk storage of fuel
- ☐ residential building
- ☐ commercial building
- ☐ other: _____

Research:
- ☐ wildlife/fish/birds/marine
- ☐ survey (grd/aerial/collars)
- ☐ collection of species
- ☐ research station
- ☐ other: _____

Other:
- ☐ commercial harvest
- ☐ recreational camp
- ☐ _____
- ☐ _____

10. TYPE OF WATER USE

Check off the kind of project for which water will be used and the type of water use.

Water use for this use is under NWB license 2BEGOO1015 (Goose) during site preparation and on-going exploration.

Undertaking

- ■ Advanced Exploration
- ☐ Exploration Drilling
- ☐ Industrial
- ■ Mine Development (site preparation)
- ☐ Power
- ☐ Remote/Tourism
- ☐ Other: _____

Water Use:

- ☐ To obtain water
- ☐ To modify the bed or bank of water course
- ☐ To Alter the flow of, or store water
- ☐ To cross the watercourse
- ☐ To Divert the watercourse
- ☐ Flood control
- ☐ Other: _____

11. QUANTITY OF WATER INVOLVED

Please include the quantity of water to be used during the land use activity.

Quantity of water to be used in accordance with existing Nunavut Water Board water license 2BEGOO1015 and will not exceed 297 m^3/day.

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12. On a separate page, provide a NON-TECHNICAL project summary. This should include a non-technical description of the project proposal, no more than 300 words, in English and Inuktituk (Inuinaktun, in the West Kitikmeot). The project description should outline the project activities and their necessity, method of transportation, any structures that will be erected, expected duration of activity and alternatives considered. If the proposed activity fits into any long-term developments, please describe the projected outcome of the development for the area and its timeline.

See DEIS Volume 12, Section 1.0

---

13. Attach a detailed project description as outlined in APPENDIX A.

Quarry operations will occur as needed during the summer-fall months during on-going exploration and site preparation activities. Material will be excavated and trucked to the construction area and either stockpiled for a short term to allow additional thawing or used immediately. It is anticipated that quarry operations will be needed for up to two years to complete site preparation and a total of up to 10,000 cubic metres would be extracted from this area.

See attached Appendix A and DEIS Volume 10, Chapter 15 (Quarry and Borrow Area Management Plan)

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14. LAND USE APPLICATION FEES:

- ☐ Land use license I - Inuit - $ 0; Non-Inuit - $100 per 1:250,000 NTS Map Sheet
- ☐ Commercial Lease I - $500
- ☐ Commercial Lease II - $2000 plus Legal Fees
- ☐ Commercial Lease III - $5000 plus Legal Fees

Land use license II - $250

X Land use license III- $500

- ☐ Residential/Recreational Lease — Inuit - $ 0; Non-Inuit - $250
- ☐ Exemption Certificate

Land use fees: # of hectares used @ $50.00/hectare = $_____

Note: The land use fee is for the amount of land used on an annual basis.

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15. WATER USE APPLICATION FEES:

- ☐ Land use license I
  Application fee - $100 per 1:250,000 NTS Map Sheet/year
  Water use fee - $1/1000m^3
- ☐ Land use license II
  Application fee - $250/2 years
  Water use fee - $1/1000m^3
- ☐ Land use license III
  Application fee - $500/2 years
  Water use fee -$26.35/1000m^3
- ☐ Commercial Lease I
  Application fee - $50/year
  Water use fee - $26.35/1000m^3
- ☐ Commercial Lease II
  Application fee - $500/year
  Water use fee - $26.35/1000m^3
- ☐ Commercial Lease III
  Application fee - $5000/year
  Water use fee - $26.35/1000m^3

Water use fees: volume of water used (m^3) * Water use fee = $\_\_\_\_0\_\_\_\_\_$

Note: The water application type is related to the land use application type. A water protection fee will be charged according to the type and stage of the development project.

16. a) The Applicant requests a Certificate of Exemption ☐

OR

b) The Applicant agrees to be bound by terms and conditions to be attached to the Inuit Land Use License or Lease. ☐

Sign name in full: _____ January 10, 2014

Signature Date

APPENDIX A

1. Project Descriptions

Infrastructure improvements for site preparation include extending the existing the all-weather airstrip and constructing an all-weather road corridor from the existing Goose camp to the Umwelt area quarry. All-weather roads will be constructed with run-of-quarry rock placed directly onto the tundra to preserve the permafrost. A layer of graded surfacing material will be placed to provide a protective trafficking layer. Construction materials are from locally developed geochemically suitable rock quarries already permitted or under application. Roads will be private and not for public use and road embankments are designed to facilitate ungulate passage.

The Umwelt area quarry will also supply material for construction of starter dams for the tailings impoundment area. Construction of the TIA will not start until the construction phase of the project development, however, stockpiling of material for construction will need to start during site preparation due to the seasonal nature of camp operations and access to the quarry.

2. Schedule

Quarry operations would start in early 2015 to support site preparation activities and would continue under these authorizations for the life of the Project.

The primary purpose of rock quarries is to support development and operation of the all-weather airstrips, access roads and camp operations/enhancements at the Goose Property. The proposed rock quarry location is located on Inuit Owned Lands as authorized by the Kitikmeot Inuit Association (KIA) with associated water management authorized by the Nunavut Water Board. The proposed areas will be developed, inspected, maintained and closed by either Sabina or contractors working under the direction of Sabina.

A preliminary Quarry and Borrow Area Management Plan is included in DEIS Volume 10, chapter 15. A detailed procedure will be prepared before the start of development for each rock quarry. These development plans will include:

- Site layout and setup with the following provisions:
    - Minimum setback of 31m from environmentally sensitive areas;
    - Adequate room for all activities;
    - Estimates of the resources to be extracted;
    - Refueling station with appropriate containment (if required);
    - Confirmation of low ARD/ML potential;
    - Confirmation of archeology, vegetation and wildlife status;
    - Expected permafrost conditions;
    - Stockpiling location (if required);
    - Equipment lists;
    - Explosive magazine locations;
    - Dust and noise management;
    - Waste management facilities; and
    - Water management facilities.
- Related documents:
    - Blasting/Explosives plan;
    - Spills contingency plan;
    - Waste management plan;
    - Water management plan; and

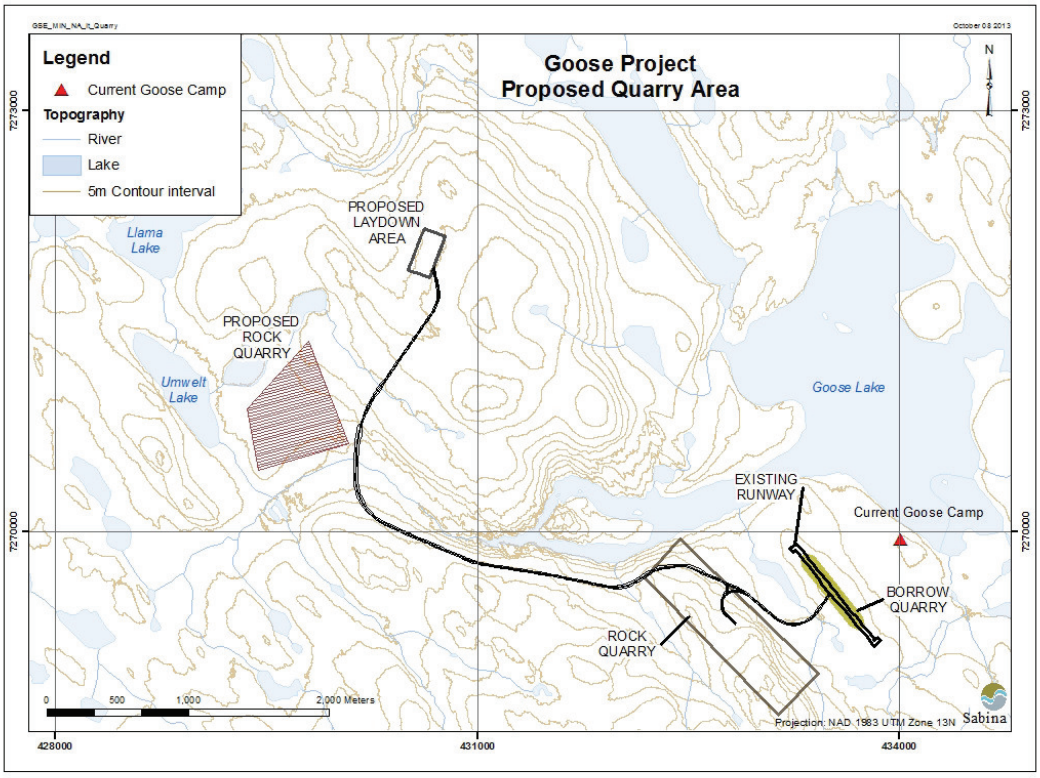
- Site specific operating procedures.

- Monitoring:
  - Water management and quality;
  - Pit wall stability;
  - Extent of permafrost or ground-ice;
  - Wildlife interactions or sightings; and
- Reclamation:
  - Overburden replacement for site grading and re-contouring;
  - Reclamation of natural drainage;
  - Slope reconstruction;
  - Removal of all garbage and debris;
  - Removal of all temporary storages/structures/equipment;
  - Reclamation of access road and block access (if required); and
  - Replacement of all salvaged topsoil (if required).

3. Preliminary Plan

The following figure shows the area of the existing quarry agreement and the proposed Umwelt Quarry area that may be used as a source of a maximum of up to 10,000 m^3 of rock. Boundaries have yet to be determined based on ongoing physical and chemical stability testing of material; preliminary meters and bounds are:

corner	UTM- easting	UTM - northing
1	385689	7316044
2	385689	7316484
3	386230	7316484
4	386230	7316044



Although some of this material will be obtained from within existing quarry (KTP11Q001) boundaries, it is anticipated that additional sources will be needed to meet construction and operational requirements.

Quarry operations will use explosives and the design, shape and size of the blasts are planned with safety being the most important consideration. A predetermined pattern of drillholes are drilled to a depth, not exceeding the overall depth of the quarry, and filled with explosives. Prior to the blast, all personnel and equipment are moved to a safe distance. The blasted rock and fragments are loaded into haul or dump trucks using either a loader or an hydraulic shovel. The Run-of-Quarry (ROQ) material is then hauled to the construction area, dumped and then put into place using a dozer. This sequence is called a "drill, blast, load, haul, dump" sequence.

Some of the ROQ material is moved to a crusher to produce aggregate of various sizes. The crusher is normally located away from local waterways and shielded from the prevailing wind. The latter is best managed by placing the crusher where possible within the quarry behind a high wall to reduce the quantity of wind-blown dust and have as much dust as possible fall within the quarry boundaries.

4. Infrastructure
   No camps will be erected, as the existing camp at Goose will be used. A small shelter, pacto system, fuel storage will be established at the airstrip for safety and environmental reasons.

5. Equipment
   Quarrying activities will be undertaken using the same equipment used to construct the all-weather airstrip and road. This includes:
   1. 1-Sterling water truck self loading
   2. 1-Mechanic service truck
   3. 2 units 730 cat truck 22m3
   4. 1 unit 563 cat ride on compactor
   5. 1 unit 320 excavator
   6. 1 unit 350 ford 350 crew cab
   7. 1 unit walk behind compactor
   8. 1 GPS survey equipment
   9. 2 units wobbly wheel compactors
   10. 1 unit 140 H Cat Road grader

6. Fuel
   Fuel storage at the quarry will be limited to refueling needs of the equipment during operations. Fuel storage would include caches (up to 20 drums) for refueling equipment and the short term storage of drums, equipment and supplies.

   Refuelling of equipment will take place 31m above local waterways. Secondary containment, drip trays and other spill prevention supplies and methods will be used to prevent spills, and spill kits are readily available at this location.

7. Spill Contingency Plan
   (January 2013) is included in DEIS Volume 12, section 6.1

8. Waste Management and Disposal

As this is a project undertaken as part of the normal operations of the exploration camp, it is not expected to generate any waste (garbage, sewage, greywater) over and above that of normal camp operations. Any waste generated would be included in the camp waste management stream.

9. Transportation and Access

   For the present the only method of travel onto the property is by helicopter, Twin Otter or a Hercules aircraft. On site travel is by cat train, skidoo or bulldozer, while during the summer by helicopter, boat and walking. Once available, the all weather road will allow access between Goose camp and the exploration/site preparation activities in the Umwelt area.

10. Existing Environmental Conditions

    Terrain, vegetation and archaeology surveys have been completed and have found nothing of note in the area.

    The footprint of the quarry is relatively small and impacts to wildlife will be minimal. The area is not a caribou calving area, however there are usually caribou that spend the summer in the area. There have not been any raptors observed, but bears and wolverines have been sighted in the area. Wildlife management plans are implemented at current operations to minimize human-wildlife interaction and attractants.

11. Potential Impacts and Mitigation

    See DEIS Volume 12, section 5.0 for a summary of potential environmental impacts associated with site preparation activities.

    The largest potential for an environmental problem associated with the quarry is the generation of dust and degradation of underlying permafrost. Sabina incorporates dust management as needed using water and non-toxic chemical methods (products approved by the Government of Nunavut).

    Permafrost will be protected with cut and fill maintaining a 0.5 to 1m cover above the active zone-permafrost interface. Every effort will be made to ensure that the quarry areas blend with the local terrain and topography, however, as the quarry boundaries are adjacent to the airstrip, aircraft safety and landing/takeoff requirements will determine the final contours.

    The greatest potential environmental risk is a petroleum spill during refueling of the equipment. Any refueling performed from 205 litre drums will be performed with drip trays in place. In the event of a spill, enviromat and spill kits are readily available as per Sabina's Spill Contingency Plan.

    Vehicle movement is restricted to the existing airstrip and ground that is already in use for the Goose camp, hence there should not be any impact to the tundra. However, any unforeseen gouging will be leveled and the natural vegetation will be allowed to reclaim the leveled area

12. Closure and Reclamation Costs

    This Quarrying permit and infrastructure will be part of the land use license KTL304C017 and any reclamation and associated costs will be done on an ongoing basis while the license is in effect.

13. Closure and Reclamation Plan

The Goose Project Abandonment & Restoration Plan will incorporate the 'as-built' components of the airstrip, road and associated quarries and will be based on the guidance that the area will be left in a manner acceptable to the KIA and other regulators and is environmentally and economically feasible. The most recent Abandonment and Reclamation Plan for Goose is included in DEIS Volume 12, section 7.1; the following is summary of activities specific to quarry operations.

Prior to quarry activities starting, the overburden will be excavated and stored with the current topsoil and will be available for reclamation activities. Airstrip and quarry areas are also designed and built to minimize surface erosion.

Progressive/temporary closure

Because the rock quarry areas are accessed on a seasonal, as-needed basis, operations will cease for a period time each year. In this case temporary closure activities will include:

- Removal of all garbage and debris;
- Removal of all temporary storages/structures/equipment; and
- Reclamation of access/winter road to ensure free flow of water during melt;
- Block access (if required) and flag boundaries.

These activities would be built into ongoing workplans and budgets and completed during normal camp operations. Also included in the annual closure of the quarry area will be monitoring of the following:

- Water management and quality;
- Pit wall stability;
- Extent of permafrost or ground-ice.

Sabina will continue a program of progressive reclamation at Back River Project and will include any quarry areas. Progressive restoration will be ongoing during exploration program thereby reducing the need for a full-scale restoration program at the closure of each exploration phase.

Final closure

The rock quarries accessed to provide construction and maintenance material will be cleared of any debris and inspected for contamination. If contamination is evident, then procedures outlined in the Spill Contingency Plan will be applied to reclaim the impacted area. The application of peat/fertilizer to encourage revegetation may also be implemented in limited areas of the rock quarries."

When operations are complete, the overall reclamation objective for the quarry/borrow pit areas is to return the site to a natural condition that blends in with the existing topography and surrounding landscape. Ongoing operations and seasonal closure of quarry areas will focus on progressive reclamation measures to ensure the site:

- is secure to protect employees, the public and wildlife;
- has drainage and erosion control measures to minimize runoff to local waterways;
- is cleared of all material, equipment, debris, and hazardous/contaminated materials.

Final reclamation and closure of the quarry areas will be incorporated into the overall Closure Plan for the Back River Project with activities at the quarry/borrow pit locations including (but not limited to):

- Removal of all garbage and debris;
- Removal of all temporary storages/structures/equipment;
- Overburden replacement for site grading and re-contouring;

- Reclamation of natural drainage;
- Slope reconstruction;
- Reclamation of access road and block access (if required); and
- Replacement of all salvaged topsoil (if required).

14. Socio-Economics

(i) Costs are to be determined

(ii) It is anticipated that contractor equipment use and employees would be 95% to 100% of the project costs based on previous experience with quarry operations at Goose.

(iii) The jobs created to load, haul and complete the quarry operations is to be determined

(iv) It is possible that Inuit employees can do all the jobs depending on the qualifications each have for the work being done.

(v) Once hired, further training could be available to qualify for other jobs on the project.

15. Quarry License

See item 3 above

Appendix V12-2J

KIA New Quarry Application for Marine Laydown Area

Rescan™
an ERM company

KITIKMEOT INUIT ASSOCIATION
LANDS DIVISION
APPLICATION FOR ACCESS TO INUIT OWNED LAND

Office use only

Category	Application No:	Accepted By:	Date Accepted:

To be completed by all applicants

1. Applicant's name and mailing address (Full name, no initials or abbreviations) Matthew Pickard Sabina Gold and Silver Corp. 930 West 1st St., Suite 202 North Vancouver, B.C. V7P 3N4	Fax no. 604-998-1051 Telephone no. 604-998-4175 888-648-4218
2. Head Office address	Fax no. Telephone no.
3. Field supervisor and address if different from above John Laitin and Fred Penner (same address as head office)	Telephone no.

4. Other personnel list (Subcontractors or contractors to be used)

Sabina personnel: up to 10 people x 200 Days = 2,000 people days

Contractor: up to 50 people x 200 Days = 6,000 people days

Total no. of personnel: up to 60 No. of person days: 200

4. Location of activities by map coordinates. Attach **ORIGINAL** maps and sketches.

MIN Lat Deg 66°	MIN Lat Min 14'	MAX Lat Deg 66°	MAX Lat Min 38'
MIN Long Deg 107°	MIN Long Min 10'	MAX Long Deg 107°	MAX Long Min 40'

Map Sheet No: *76J/05, /06, /07, /11 /12* Inuit Land Parcel No: *BB-02, BB-12, BB-13, BB-15*

Coordinate of camp (if applicable) Lat. 66°38' Long. 107°40' (Marine Laydown Area camp)

6. Periods of operation including periods of seasonal shut down and periods for restoration.

The establishment of a Marine Laydown Area is needed to accommodate the delivery of fuel, equipment and supplies during the open water shipping with an associated seasonal construction and use of a winter road to deliver these items from the Marine Laydown Area to the Back River Project. This infrastructure will support site preparation and construction of the Back River Project as well as provide annual resupply for operations.

Quarry operations at the Marine Laydown Area include cutting bedrock material to create a suitable area for the camp infrastructure and using the extracted material to build wetted works (for example docks). This cut/fill material may also be used to build the laydown, storage pads, containment areas, site roads and other mitigation measures at the Marine Laydown Area. This will minimize the footprint of the Marine Laydown Area by maximizing use of stripped material.

Operation of the Marine Laydown Area area quarry to start in Q1 2015 as part of site preparation activities for the Back River Project. The quarry would operate concurrent with ongoing exploration and advanced exploration activities supported by the existing George camp until the first phase of the Marine Laydown camp is available. Quarry material may be ripped, shoveled and excavated and moved by equipment to the construction area for immediate use. As required, pre-packaged explosives will be used for blasting.

7. Period of access required (up to one or two years for licenses, depending on license level, up to five years for residential/recreational leases and level I and II commercial leases, and up to forty years for level III commercial leases)	Start date November 1, 2014	Completion Date October 31, 2019

8. Other rights, licenses, permits or leases related to this application. Provide proof of rights or indicate if in the process of applying for rights.

- ☐ NTI Subsurface Right
- ☐ DIAND Subsurface Right
- X NWB Water License
- ☐ NRI Research License
- ☐ RWED Tourism License
- ☐ Explosives Permit
- ☐ CWS Permit
- X Other – Please Specify _Access to Inuit Owed Land

See DEIS Volume 12, section 3.3 for a list of mineral tenure and authorizations held by Sabina

9. TYPE OF LAND USE ACTIVITY

Check off the appropriate land use activities.

Mining/Oil & Gas
- ☐ staking and prospecting
- ☐ exploration (geophys-grd/air)
- X drilling (diamond/ice, etc.)
- ☐ bulk sampling
- ☐ mine (open pit, undergrd, etc.)
- ☐ bulk fuel storage
- ☐ other: _____

Construction:
- ☐ camp
- ☐ building
- X winter road
- X all-season road
- X quarrying
- ☐ other: _____

Tourism:
- ☐ tourism facility
- ☐ outfitting
- ☐ other: _____

Municipality:
- ☐ bulk storage of fuel
- ☐ residential building
- ☐ commercial building
- ☐ other: _____

Research:
- ☐ wildlife/fish/birds/marine
- ☐ survey (grd/aerial/collars)
- ☐ collection of species
- ☐ research station
- ☐ other: _____

Other:
- ☐ commercial harvest
- ☐ recreational camp
- ☐ _____
- ☐ _____

10. TYPE OF WATER USE

Check off the kind of project for which water will be used and the type of water use.

Water use for this use will be under a Type B water license submitted concurrently to the Nunavut Water Board.

Undertaking

- ■ Advanced Exploration
- ☐ Exploration Drilling
- ☐ Industrial
- ■ Mine Development (site preparation)
- ☐ Power
- ☐ Remote/Tourism
- ☐ Other: _____

Water Use:

- ☐ To obtain water
- ☐ To modify the bed or bank of water course
- ☐ To Alter the flow of, or store water
- ☐ To cross the watercourse
- ☐ To Divert the watercourse
- ☐ Flood control
- ☐ Other: _____

11. QUANTITY OF WATER INVOLVED

Please include the quantity of water to be used during the land use activity.

Quantity of water to be used in accordance with the issued NWB Type B water license.

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12. On a separate page, provide a NON-TECHNICAL project summary. This should include a non-technical description of the project proposal, no more than 300 words, in English and Inuktituk (Inuinaktun, in the West Kitikmeot). The project description should outline the project activities and their necessity, method of transportation, any structures that will be erected, expected duration of activity and alternatives considered. If the proposed activity fits into any long-term developments, please describe the projected outcome of the development for the area and its timeline.

See DEIS Volume 12, Section 1.0

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13. Attach a detailed project description as outlined in APPENDIX A.

Quarry operations will occur as needed during the summer-fall months during on-going exploration and site preparation activities. Material will be excavated and trucked to the construction area and either stockpiled for a short term to allow additional thawing or used immediately. It is anticipated that quarry operations will be needed for up to two years to complete site preparation.

See attached Appendix A and DEIS Volume 10, Chapter 15 (Quarry and Borrow Area Management Plan)

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14. LAND USE APPLICATION FEES:

- ☐ Land use license I - Inuit - $ 0; Non-Inuit - $100 per 1:250,000 NTS Map Sheet
- ☐ Land use license II - $250
- X Land use license III- $500
- ☐ Residential/Recreational Lease — Inuit - $ 0; Non-Inuit - $250
- ☐ Exemption Certificate
- ☐ Commercial Lease I - $500
- ☐ Commercial Lease II - $2000 plus Legal Fees
- ☐ Commercial Lease III - $5000 plus Legal Fees

Land use fees: # of hectares used @ $50.00/hectare = $_____

Note: The land use fee is for the amount of land used on an annual basis.

15. WATER USE APPLICATION FEES:

☐ Land use license I
Application fee - $100 per 1:250,000 NTS Map Sheet/year
Water use fee - $1/1000m^3

☐ Land use license II
Application fee - $250/2 years
Water use fee - $1/1000m^3

☐ Land use license III
Application fee - $500/2 years
Water use fee -$26.35/1000m^3

☐ Commercial Lease I
Application fee - $50/year
Water use fee - $26.35/1000m^3

☐ Commercial Lease II
Application fee - $500/year
Water use fee - $26.35/1000m^3

☐ Commercial Lease III
Application fee - $5000/year
Water use fee - $26.35/1000m^3

Water use fees: volume of water used (m^3) * Water use fee = $\_\_\_\_0\_\_\_\_\_$

Note: The water application type is related to the land use application type. A water protection fee will be charged according to the type and stage of the development project.

16. a) The Applicant requests a Certificate of Exemption ☐

OR

b) The Applicant agrees to be bound by terms and conditions to be attached to the Inuit Land Use License or Lease. ☐

January 10, 2014

Sign name in full: _____

Signature Date

APPENDIX A

1. Project Descriptions

Quarry operations at the Marine Laydown Area include cutting bedrock material to create a suitable area for the camp infrastructure and using the extracted material to build wetted works (for example docks). This cut/fill material may also be used to build the laydown, storage pads, containment areas, site roads and other mitigation measures at the Marine Laydown Area. This will minimize the footprint of the Marine Laydown Area by maximizing use of stripped material.

2. Schedule

Quarry operations would start in early 2015 to support site preparation activities and would continue under these authorizations for the life of the Project.

The primary purpose of rock quarries is to support development and operation of the Marine laydown Area. The proposed rock quarry location is located on Inuit Owned Lands as authorized by the Kitikmeot Inuit Association (KIA) with associated water management authorized by the Nunavut Water Board. The proposed areas will be developed, inspected, maintained and closed by either Sabina or contractors working under the direction of Sabina.

A preliminary Quarry and Borrow Area Management Plan is included in DEIS Volume 10, chapter 15. A detailed procedure will be prepared before the start of development for each rock quarry. These development plans will include:

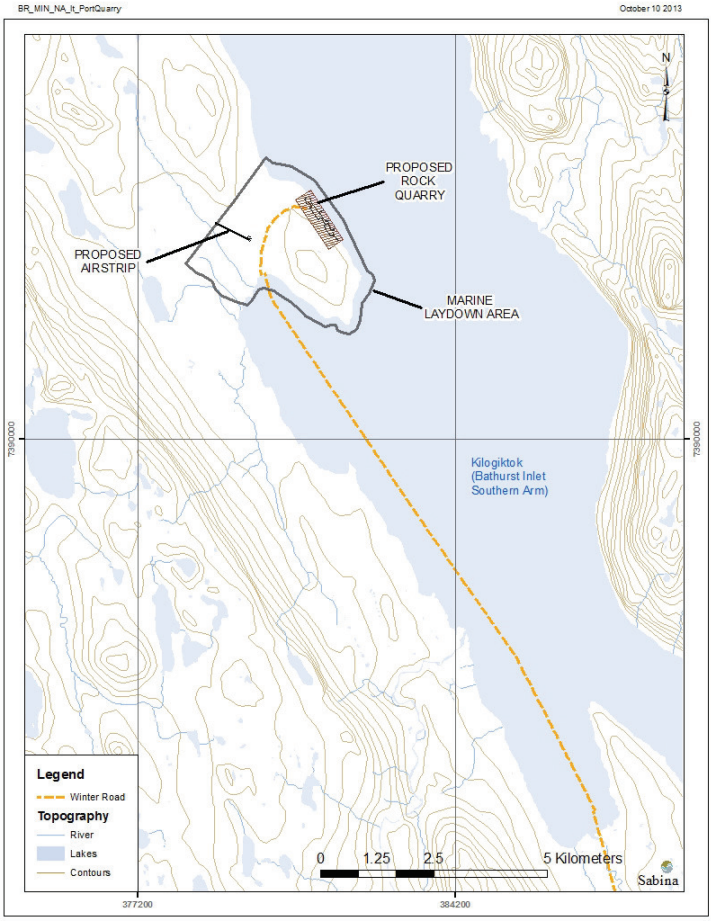
- Site layout and setup with the following provisions:
    - Minimum setback of 31m from environmentally sensitive areas;
    - Adequate room for all activities;
    - Estimates of the resources to be extracted;
    - Refueling station with appropriate containment (if required);
    - Confirmation of low ARD/ML potential;
    - Confirmation of archeology, vegetation and wildlife status;
    - Expected permafrost conditions;
    - Stockpiling location (if required);
    - Equipment lists;
    - Explosive magazine locations;
    - Dust and noise management;
    - Waste management facilities; and
    - Water management facilities.
- Related documents:
    - Blasting/Explosives plan;
    - Spills contingency plan;
    - Waste management plan;
    - Water management plan; and
    - Site specific operating procedures.
- Monitoring:
    - Water management and quality;
    - Pit wall stability;
    - Extent of permafrost or ground-ice;
    - Wildlife interactions or sightings; and

- Reclamation:
    - Overburden replacement for site grading and re-contouring;
    - Reclamation of natural drainage;
    - Slope reconstruction;
    - Removal of all garbage and debris;
    - Removal of all temporary storages/structures/equipment;
    - Reclamation of access road and block access (if required); and
    - Replacement of all salvaged topsoil (if required).

3. Preliminary Plan

The following figure shows the proposed Marine Laydown Area rock quarry. Boundaries have yet to be determined based on ongoing physical and chemical stability testing of material; preliminary meters and bounds are:

corner	UTM- easting	UTM - northing
1	381007	7395493
2	381733	7394391
3	381409	7394191
4	380670	7395268



Quarry operations will use explosives and the design, shape and size of the blasts are planned with safety being the most important consideration. A predetermined pattern of drillholes are drilled to a depth, not exceeding the overall depth of the quarry, and filled with explosives. Prior to the blast, all personnel and equipment are moved to a safe distance. The blasted rock and fragments are loaded into haul or dump trucks using either a loader or an hydraulic shovel. The Run-of-Quarry (ROQ) material is then hauled to the construction area, dumped and then put into place using a dozer. This sequence is called a "drill, blast, load, haul, dump" sequence.

Some of the ROQ material is moved to a crusher to produce aggregate of various sizes. The crusher is normally located away from local waterways and shielded from the prevailing wind. The latter is best managed by placing the crusher where possible within the quarry behind a high wall to reduce the quantity of wind-blown dust and have as much dust as possible fall within the quarry boundaries.

4. Infrastructure
   No camps will be erected, as the proposed Marine Laydown Area camp will be available. A small shelter, pacto system, fuel storage will be established at the airstrip for safety and environmental reasons.

5. Equipment
   To be determined.

6. Fuel
   Fuel storage at the quarry will be limited to refueling needs of the equipment during operations. Fuel storage would include caches (up to 20 drums) for refueling equipment and the short term storage of drums, equipment and supplies.

   Refuelling of equipment will take place 31m above local waterways. Secondary containment, drip trays and other spill prevention supplies and methods will be used to prevent spills, and spill kits are readily available at this location.

7. Spill Contingency Plan
   A Spill Contingency Plan and OPEP for the Marine Laydown Area is included in DEIS Volume 10, Chapters 5 and 6.

8. Waste Management and Disposal
   As this is a project undertaken as part of the normal operations of the exploration camp, it is not expected to generate any waste (garbage, sewage, greywater) over and above that of normal camp operations. Any waste generated would be included in the camp waste management stream.

9. Transportation and Access
   For the present the only method of travel onto the property is by helicopter, Twin Otter or a Hercules aircraft and boat on Bathurst Inlet. On site travel is by cat train, skidoo or bulldozer, while during the summer by helicopter, boat and walking.

10. Existing Environmental Conditions
    Terrain, vegetation and archaeology surveys have been completed and have found nothing of note in the area.

    The footprint of the quarry is relatively small and impacts to wildlife will be minimal. The area is not a caribou calving area, however there are usually caribou that spend the summer in the area. There have not been any raptors observed, but bears and wolverines

have been sighted in the area. Wildlife management plans are implemented at current operations to minimize human-wildlife interaction and attractants.

11. Potential Impacts and Mitigation

See DEIS Volume 12, section 5.0 for a summary of potential environmental impacts associated with site preparation activities.

The largest potential for an environmental problem associated with the quarry is the generation of dust and degradation of underlying permafrost. Sabina incorporates dust management as needed using water and non-toxic chemical methods (products approved by the Government of Nunavut).

Permafrost will be protected with cut and fill maintaining a 0.5 to 1m cover above the active zone-permafrost interface. Every effort will be made to ensure that the quarry areas blend with the local terrain and topography, however, as the quarry boundaries are adjacent to the airstrip, aircraft safety and landing/takeoff requirements will determine the final contours.

The greatest potential environmental risk is a petroleum spill during refueling of the equipment. Any refueling performed from 205 litre drums will be performed with drip trays in place. In the event of a spill, enviromat and spill kits are readily available as per Sabina's Spill Contingency Plan.

Vehicle movement will be restricted to the footprint of the Marine Laydown Area and this should minimize the impact to the tundra. However, any unforeseen gouging will be leveled and the natural vegetation will be allowed to reclaim the leveled area

12. Closure and Reclamation Costs

This Quarrying permit and infrastructure will be part of the land use license issued by the KIA and any reclamation and associated costs will be done on an ongoing basis while the license is in effect.

13. Closure and Reclamation Plan

The closure and reclamation of the quarry operations will be based on the guidance that the area will be left in a manner acceptable to the KIA and other regulators and is environmentally and economically feasible. Preliminary closure of the Marine Laydown Area is presented in DEIS Volume 12, section 7.3 and the following is summary of activities specific to quarry operations.

Prior to quarry activities starting, the overburden will be excavated and stored with the current topsoil and will be available for reclamation activities. Airstrip and quarry areas are also designed and built to minimize surface erosion.

Progressive/temporary closure

Because the rock quarry areas are accessed on a seasonal, as-needed basis, operations will cease for a period time each year. In this case temporary closure activities will include:

- Removal of all garbage and debris;
- Removal of all temporary storages/structures/equipment; and
- Reclamation of access/winter road to ensure free flow of water during melt;
- Block access (if required) and flag boundaries.

These activities would be built into ongoing workplans and budgets and completed during normal camp operations. Also included in the annual closure of the quarry area will be monitoring of the following:

- Water management and quality;
- Pit wall stability;
- Extent of permafrost or ground-ice.

Sabina will continue a program of progressive reclamation at Back River Project and will include any quarry areas. Progressive restoration will be ongoing during exploration program thereby reducing the need for a full-scale restoration program at the closure of each exploration phase.

Final closure

The rock quarries accessed to provide construction and maintenance material will be cleared of any debris and inspected for contamination. If contamination is evident, then procedures outlined in the Spill Contingency Plan will be applied to reclaim the impacted area. The application of peat/fertilizer to encourage revegetation may also be implemented in limited areas of the rock quarries."

When operations are complete, the overall reclamation objective for the quarry/borrow pit areas is to return the site to a natural condition that blends in with the existing topography and surrounding landscape. Ongoing operations and seasonal closure of quarry areas will focus on progressive reclamation measures to ensure the site:

- is secure to protect employees, the public and wildlife;
- has drainage and erosion control measures to minimize runoff to local waterways;
- is cleared of all material, equipment, debris, and hazardous/contaminated materials.

Final reclamation and closure of the quarry areas will be incorporated into the overall Closure Plan for the Back River Project with activities at the quarry/borrow pit locations including (but not limited to):

- Removal of all garbage and debris;
- Removal of all temporary storages/structures/equipment;
- Overburden replacement for site grading and re-contouring;
- Reclamation of natural drainage;
- Slope reconstruction;
- Reclamation of access road and block access (if required); and
- Replacement of all salvaged topsoil (if required).

14. Socio-Economics

(i) Costs are to be determined

(ii) It is anticipated that contractor equipment use and employees would be 95% to 100% of the project costs based on previous experience with quarry operations at Goose.

(iii) The jobs created to load, haul and complete the quarry operations is to be determined

(iv) It is possible that Inuit employees can do all the jobs depending on the qualifications each have for the work being done.

(v) Once hired, further training could be available to qualify for other jobs on the project.

15. Quarry License

See item 3 above

Appendix V12-3A

NIRB Screening Decisions

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SCREENING DECISION REPORT
NIRB FILE NO.: 08EA084

INAC File No.: N2006C0008
KIA File No.'s: KTL304C017, KTL304C018, KTL204C012, KTL204C020 & KTL107C018
NWB File No.'s: 2BE-GOO0510 & 2BE-GEO0210

March 3, 2009

Honourable Chuck Strahl
Minister of Indian and Northern Affairs Canada
Indian and Northern Affairs Canada
Gatineau, QC

Via email: strahl.c@parl.gc.ca

Re: Screening Decision for Dundee Precious Metals Inc.'s "Beechey Lake Area Mineral Exploration" project proposal, NIRB File No. 08EA084

Dear Honourable Minister:

The primary objectives of the Nunavut Land Claims Agreement are set out in section 12.2.5 of the Land Claims Agreement. This section reads:

> In carrying out its functions, the primary objectives of NIRB shall be at all times to protect and promote the existing and future well-being of the residents and communities of the Nunavut Settlement Area, and to protect the ecosystemic integrity of the Nunavut Settlement Area. NIRB shall take into account the well-being of the residents of Canada outside the Nunavut Settlement Area.

Section 12.4.4 of the Nunavut Land Claim Agreement states:

> Upon receipt of a project proposal, NIRB shall screen the proposal and indicate to the Minister in writing that:
>
> a) the proposal may be processed without a review under Part 5 or 6; NIRB may recommend specific terms and conditions to be attached to any approval, reflecting the primary objectives set out in Section 12.2.5;
> b) the proposal requires review under Part 5 or 6; NIRB shall identify particular issues or concerns which should be considered in such a review;
> c) the proposal is insufficiently developed to permit proper screening, and should be returned to the proponent for clarification; or
> d) the potential adverse impacts of the proposal are so unacceptable that it should be modified or abandoned.

NIRB Assessment and Decision

After a thorough assessment of all material provided to the Board (please see *Procedural History* and *Project Activities* in **Appendix A**), in accordance with the principles identified within Section 12.4.2 of the NLCA, the decision of the Board as per Section 12.4.4 of the NLCA is:

> **12.4.4 (a)**: the proposal may be processed without a review under Part 5 or 6; NIRB may recommend specific terms and conditions to be attached to any approval, reflecting the primary objectives set out in Section 12.2.5.

Recommended Project-Specific Terms and Conditions (pursuant to Section 12.4.4(a) of the NLCA)

The Board is recommending the following or similar project-specific terms and conditions be imposed upon the Proponent through all relevant legislation:

General

1. Dundee Precious Metals Inc. (the Proponent) shall maintain a copy of the Project Terms and Conditions at the site of operation at all times.
2. The Proponent shall forward copies of all permits obtained and required for this project to the Nunavut Impact Review Board (NIRB) prior to the commencement of the project.
3. The Proponent shall operate in accordance with all commitments stated in correspondence provided to Indian and Northern Affairs Canada (INAC Land Use Amendment and Extension Application, December 9, 2008) and the NIRB as follows:
    a. NIRB Part 1 form (January 22, 2009), including non-technical summary (January 26, 2009)
    b. NIRB Part 2 form, (January 22, 2009)
    c. Abandonment and Restoration Plan (January 22, 2009)
    d. Spill Contingency Plan (January 22, 2009)
    e. Correspondence with additional information and maps (January 29, 2009)
4. The Proponent shall operate the site in accordance with all applicable Acts, Regulations and Guidelines.

Water

5. The Proponent shall not extract water from any fish-bearing waterbody unless the water intake hose is equipped with a screen of appropriate mesh size to ensure that there is no entrapment of fish. Small lakes or streams shall not be used for water withdrawal.
6. The Proponent shall not use water, including constructing or disturbing any stream, lakebed or the banks of any definable water course unless approved by the Nunavut Water Board.

Waste

7. The Proponent shall incinerate all combustible wastes daily, and remove the ash from incineration activities and non-combustible wastes from the project site to an approved facility for disposal.
8. The Proponent shall keep all garbage and debris in bags placed in a covered metal container or equivalent until disposed of. All wastes shall be kept inaccessible to wildlife at all times.

9. The Proponent shall ensure that the disposal of combustible camp wastes comply with the *Canadian Wide Standards for Dioxins and Furans,* and the *Canadian Wide Standards for Mercury*.

Fuel and Chemical Storage

10. The Proponent shall locate all fuel and other hazardous materials a minimum of thirty-one (31) metres away from the high water mark of any water body and in such a manner as to prevent their release into the environment.
11. The Proponent shall store all fuel and chemicals in such a manner that they are inaccessible to wildlife.
12. The Proponent shall inspect and document the condition of all large fuel caches (in excess of 20 drums) on a weekly basis.
13. The Proponent shall ensure that appropriate spill kits are located at every fuel cache.
14. The Proponent shall remove and treat hydrocarbon contaminated soils on site or transport them to an approved disposal site.
15. The Proponent shall ensure that all on site personnel are properly trained in fuel and hazardous waste handling procedures as well as spill response procedures. All spills of fuel or other deleterious materials of any amount must be reported immediately to the 24 hour Spill Line at (867) 920-8130

Wildlife

16. The Proponent shall ensure that there is no damage to wildlife habitat in conducting this operation.
17. The Proponent shall not harass wildlife. This includes persistently worrying or chasing animals, or disturbing large groups of animals. The Proponent shall not hunt or fish, unless proper Nunavut authorizations have been acquired.
18. The Proponent shall not touch, feed or entice wildlife to approach by holding out or setting out decoys or any such devices, foodstuffs or bait of any kind.
19. The Proponent shall restrict aircraft/helicopter activity related to the project to a minimum altitude of 610 metres above ground level unless there is a specific requirement for low-level flying, which does not disturb wildlife and migratory birds.
20. The Proponent shall ensure that aircraft maintain a vertical distance of 1000 metres and a horizontal distance of 1500 metres from any observed groups (colonies) of migratory birds.
21. The Proponent shall ensure that aircraft/helicopter do not, unless for emergency, touch-down in areas where wildlife are present.
22. The Proponent shall not disturb or destroy the nests or eggs of any birds. If nests are encountered and/or identified, the Proponent shall take precaution to avoid further interaction and or disturbance.
23. The Proponent shall cease activities that may interfere with migration or calving of caribou or muskoxen, until the caribou or muskoxen have passed or left the area.
24. The Proponent shall not block or cause any diversion to caribou migration, and shall cease activities likely to interfere with migration such as airborne geophysics surveys, drilling or movement of equipment or personnel until such time as the caribou have passed.
25. The Proponent shall not construct, or operate any camp, or cache any fuel, near paths or crossings frequented by caribou.
26. The Proponent shall take all possible measures to avoid wildlife encounters. Any problem wildlife should be reported immediately to the Government of Nunavut, Department of Environment.

27. The Proponent shall ensure all project staff are trained in appropriate bear/carnivore detection and deterrent techniques. It is recommended the Proponent review the safety precautions contained within "*Safety in Grizzly and Black Bear Country*" which can be downloaded from the following link: http://www.nwtwildlife.com/Publications/safetyinbearcountry/safety.htm

Physical Environment

28. The Proponent shall not move any equipment or vehicles unless the ground surface is in a state capable of fully supporting the equipment or vehicles without rutting or gouging. The Proponent shall suspend overland travel of equipment or vehicles if rutting occurs.

29. The Proponent shall ensure that the land use area is kept clean and tidy at all times.

Drilling on Land

30. The Proponent shall not conduct any land based drilling or mechanized clearing within thirty-one (31) metres of the normal high water mark of a water body.

31. The Proponent shall not allow any drilling wastes to spread to the surrounding lands or water bodies.

32. If an artesian flow is encountered, the Proponent shall ensure the drill hole is immediately plugged and permanently sealed.

33. The Proponent shall ensure that all drill areas are constructed to facilitate minimizing the environmental footprint of the project area. Drill areas should be kept orderly with garbage removed daily to an approved disposal site.

34. The Proponent shall ensure that all sump/depression capacities are sufficient to accommodate the volume of waste water and any fines that are produced. The sumps shall only be used for inert drilling fluids, and not any other materials or substances.

35. The Proponent shall not locate any sump within thirty-one (31) metres of the normal high water mark of any water body. Sumps and areas designated for waste disposal shall be sufficiently bermed or otherwise contained to ensure that substances to do not enter a waterway unless otherwise authorized.

36. The Proponent shall ensure all drill holes are backfilled or capped at the end of the project. The Proponent shall backfill and restore all sumps to match the natural environment prior to the end of project.

Drilling on Ice

37. If drilling on lake ice, the Proponent shall ensure that any return water is non-toxic, and will not result in an increase in total suspended solids in the immediate receiving waters above the Canadian Council of Ministers for the Environment (CCME) Guidelines for the Protection of Freshwater Aquatic Life (i.e. 10 mg/L for lakes with background levels under 100 mg/L, or 10% for those above 100 mg/L).

38. The Proponent shall ensure that drill muds and additives are not used in connection with holes drilled through lake ice unless they are re-circulated or contained such that they do not enter the water, or demonstrated to be non-toxic.

39. The Proponent shall ensure that all drill cuttings are removed from ice surfaces at the end of each day.

Camp

40. The Proponent shall not erect camps or store material on the surface ice of lakes or streams.

Restoration

41. The Proponent shall remove all garbage, fuel and equipment upon abandonment.

42. The Proponent shall complete all clean-up and restoration of the lands used prior to the end of each field season.

Other

43. The Proponent should, to the extent possible, hire local people and to consult with local residents regarding their activities in the region.

44. Any activity related to this application, and outside the original scope of the project as described in the application, will be considered a new project and should be submitted to the NIRB for Screening.

Monitoring and Reporting Requirements

In addition, the Board is recommending the following:

1. The Proponent shall maintain a record of wildlife observations while operating within the project area. The reports should include locations (i.e., latitude and longitude), species, number of animals, a description of the animal activity, and a description of the gender and age of animals if possible. Prior to conducting project activities, the Proponent should map the location of any sensitive wildlife sites such as denning sites, calving areas, caribou crossing sites, and raptor nests in the project area, and identify the timing of critical life history events (i.e., calving, mating, denning and nesting). Additionally, the Proponent should indicate potential impacts from the project, and ensure that operational activities are managed and modified to avoid impacts on wildlife and sensitive sites.

   A copy of this wildlife record or report should be submitted annually at the end of the operational season to the following Government of Nunavut (Department of Environment) contacts:
   a. Dustin Fredlund, Wildlife Manager, (867) 982-7441 or dfredlund@gov.nu.ca
   b. Allen Niptanatiak, Conservation Officer, (867) 982-7451 or kugwildlife2@qiniq.com
   c. Mathieu Dumond, Regional Biologist, (867) 982-7444 or mdumond@gov.nu.ca

2. The Proponent shall update its Spill Contingency Plan to include the up to date emergency contact numbers for the Government of Nunavut-Department of Environment (867-975-7700) and the Manager of Pollution Control and Air Quality (867-975-7748). In addition, remove Cindy Parker as the Environment Canada contact in Section 7.1.

Other NIRB Concerns and Recommendations

Please note that some components/activities associated with the current project proposal may have been screened previously by the NIRB under the following file numbers: 02EN013, 02EN021, 06QN027, 06QN028 and 06EN033. While information from these files were considered in the current screening, the NIRB noted that certain activities previously screened under these file numbers were not included in the current project proposal. These previous activities include quarry activities (06QN027, 06QN028) and winter haul roads (06QN027, 06QN028). If the proponent wishes to conduct any of these other activities in the future, the NIRB recommends that new applications be completed and forwarded to the appropriate authorizing agencies for review and to the NIRB for screening.

In addition to the project-specific terms and conditions, the Board is recommending the following:

General

All Authorizing Agencies shall notify the NIRB of any changes in operating plans or conditions associated with this project prior to any such change.

Indian and Northern Affairs Canada

Indian and Northern Affairs Canada (INAC) impose mitigation measures, conditions and monitoring requirements pursuant to the Federal Land Use Permit, which require the Proponent to respect the sensitivities and importance of the area. These mitigation measures, conditions and monitoring requirements should be in regard to the location and area; type, location, capacity and operation of facilities; use, storage, handling and disposal of chemical or toxic material; wildlife and fisheries habitat; and petroleum fuel storage.

INAC should also consider the importance of conducting regular Land Use Inspections, pursuant to the authority of the Federal Land Use Permit, while the project is in operation. The Land Use Inspections should be focused on ensuring the Proponent is in compliance with the conditions imposed through the Federal Land Use Permit.

Regulatory Requirements

The Proponent is also advised that the following legislation may apply to the project:

1. The Proponent is advised that the *Canadian Environmental Protection Act (http://laws.justice.gc.ca/en/C-15.31/)* lists calcium chloride (CaCl) as a toxic substance. The Proponent should assess alternatives (including biodegradable and non-toxic) to drill additives prior to the use of CaCl and try to avoid the use of CaCl.

2. The *Fisheries Act* (http://laws.justice.gc.ca/en/showtdm/cs/F-14///en).

3. The *Nunavut Waters and Nunavut Surface Rights Tribunal Act* (http://www.canlii.org/ca/sta/n-28.8/whole.html).

4. The *Migratory Birds Convention Act* and *Migratory Birds Regulations* (http://laws.justice.gc.ca/en/showtdm/cs/M-7.01).

5. The *Species at Risk Act* (http://laws.justice.gc.ca/en/showtdm/cs/S-15.3). Attached in **Appendix B** is a list of Species at Risk in Nunavut.

6. The *Nunavut Wildlife Act* which contains provisions to protect and conserve wildlife and wildlife habitat, including specific protection measures for wildlife habitat and species at risk.

7. The *Nunavut Act* (http://laws.justice.gc.ca/en/showtdm/cs/N-28.6). The Proponent must comply with the proposed terms and conditions listed in the attached **Appendix C.**

8. The *Transportation of Dangerous Goods Regulations*, *Transportation of Dangerous Goods Act* (http://www.tc.gc.ca/tdg/menu.htm), and the *Environmental Protection Act* (http://laws.justice.gc.ca/en/C-15.31/text.html) The Proponent must ensure that proper shipping documents accompany all movements of dangerous goods. The Proponent must register with the GN-DOE Manager of Pollution Control and Air Quality at 867-975-7748.

Validity of Land Claims Agreement

Section 2.12.2
Where there is any inconsistency or conflict between any federal, territorial and local government laws, and the Agreement, the Agreement shall prevail to the extent of the inconsistency or conflict.

Dated March 3rd, 2009 at Sanikiluaq, NU.

Lucassie Arragutainaq, A/Chair

Appendix A
Procedural History and Project Activities

Procedural History

On December 9, 2008 the Nunavut Impact Review Board (NIRB or Board) received an application for a Land Use Permit extension and amendment for Dundee Precious Metals Inc.'s (Dundee) "Beechey Lake Area Mineral Exploration" project from Indian and Northern Affairs Canada (INAC). The NIRB assigned this project proposal file number 08EA084. The project is located in the Kitikmeot region and does not require a conformity determination from the Nunavut Planning Commission.

After undertaking a preliminary completeness check, the NIRB determined that Dundee's project proposal did not contain sufficient information for the NIRB to conduct an environmental screening. On December 17, 2008 the NIRB sent formal correspondence to Dundee, requesting submission of the required information by January 6, 2009. In email correspondence to NIRB dated January 5, 2009, Dundee requested an extension to the deadline for providing the requested information, to January 21, 2009. The NIRB deemed this request reasonable and subsequently granted the extension.

On January 16, 2009, the NIRB requested additional time from the Minister of INAC to complete the screening of this project proposal. By January 26, 2009, Dundee provided all the required information for the NIRB to conduct the environmental screening.

This application was distributed to the communities of Bathurst Inlet, Cambridge Bay, Gjoa Haven and Taloyoak, to interested Federal and Territorial Agencies, and Inuit Organizations. NIRB requested that interested Parties review the application and provide NIRB with comments by February 23, 2009 regarding:

- Whether the project proposal is likely to arouse significant public concern; and if so, why;
- Whether the project proposal is likely to cause significant adverse eco-systemic and socio-economic effects; and if so, why;
- Whether the project is of a type where the potential adverse effects are highly predictable and mitigable with known technology, (please provide any recommended mitigation measures); and
- Any matter of importance to the Party related to the project proposal.

On or before February 24, 2009, NIRB received comments from the following interested Parties (see Comments and Concerns):

- Government of Nunavut, Department of Culture, Language, Elders and Youth (GN-CLEY)
- Environment Canada (EC)
- Kitikmeot Inuit Association (KIA)
- Government of Nunavut, Department of Environment (GN-DoE)

All comments provided to NIRB regarding this project proposal can be viewed on NIRB's ftp-site, at the following location: http://ftp.nirb.ca/SCREENINGS/COMPLETED%20SCREENINGS/

Project Activities

The project is located in the Kitikmeot region approximately 160 kilometre (km) south-south east of the community of Bathurst Inlet and approximately 400 km south of Cambridge Bay. The proposed project activities include mining exploration on claims within the Back River Area on both Crown Land and Inuit Owned Land (IOL). The claims will include the "Wishbone" area, (Wishbone, Del Lake, Lovechild,

Mahna Mahna, and Malley claims) and the "Core Properties" area (Goose Lake, George Lake, Boot Lake and Boulder Pond claims).

Exploration activities are proposed to occur March 1, 2009 to September 30, 2009 and continue in 2010. Dundee proposes to prospect areas to the north and south of the "Wishbone" area in 2009, once the areas have been awarded and appropriately defined by the Mining Recorder. These claim areas will be considered as part of the "Wishbone" area. Potential drilling may follow in 2010 or 2011 in these areas.

The project activities include:

- Base metal mineral exploration; including prospecting, sampling, soil sampling, exploration trenching, diamond drilling (on land and on ice), and air and ground geophysics.
- Use of existing Goose Lake Camp site as the base of operations, with maximum capacity of 80 personnel.
- Helicopter assisted drill program, including daily transportation of field crew to drill sites.
- Potential use of snowmachines around the Goose Lake area.
- Temporary storage of small fuel caches (up to 19 drums each) throughout the area to support exploring activities.
- Fuel storage at Goose Lake (6 bulk tanks) and George Lake (2 bulk tanks). Drummed fuel stored at George Lake.
- Storage of chemicals and hazardous materials at site.
- Water use for drilling purposes and camp use.
- Sewage, greywater and waste production related to camp operation.
- Incineration of sewage and combustible waste.
- Use of Goose Lake for site access via charter aircrafts. In winter, an ice-strip will be used on Goose Lake.
- Potential use of esker strip at George Lake camp or gravel strip northwest of Goose Lake during breakup period in spring.

Appendix B
SPECIES AT RISK IN NUNAVUT

This list includes species listed on one of the Schedules of SARA (*Species at Risk Act*) and under consideration for listing on Schedule 1 of SARA. These species have been designated as at risk by COSEWIC (Committee on the Status of Endangered Wildlife in Canada). This list may not include all species identified as at risk by the Territorial Government.

- Schedule 1 is the official legal list of Species at Risk for SARA. SARA applies to all species on Schedule 1. The term "listed" species refers to species on Schedule 1.
- Schedule 2 and 3 of SARA identify species that were designated at risk by the COSEWIC prior to October 1999 and must be reassessed using revised criteria before they can be considered for addition to Schedule 1.
- Some species identified at risk by COSEWIC are "pending" addition to Schedule 1 of SARA. These species are under consideration for addition to Schedule 1, subject to further consultation or assessment.

Schedules of SARA are amended on a regular basis so it is important to periodically check the SARA registry (www.sararegistry.gc.ca) to get the current status of a species.

Updated: January 3, 2007

Species at Risk	COSEWIC Designation	Schedule of SARA	Government Organization with Lead Management Responsibility [1]
Eskimo Curlew	Endangered	Schedule 1	EC
Ivory Gull	Endangered [2]	Schedule 1	EC
Peregrine Falcon (subspecies anatum)	Threatened	Schedule 1	Government of Nunavut
Ross's Gull	Threatened	Schedule 1	EC
Harlequin Duck (Eastern population)	Special Concern	Schedule 1	EC
Felt-leaf Willow	Special Concern	Schedule 1	Government of Nunavut
Peregrine Falcon (subspecies tundrius)	Special Concern	Schedule 3	Government of Nunavut
Short-eared Owl	Special Concern	Schedule 3	Government of Nunavut
Fourhorn Sculpin	Special Concern	Schedule 3	DFO
Peary Caribou	Endangered [3]	Pending	Government of Nunavut
Beluga Whale (Eastern Hudson Bay population)	Endangered	Pending	DFO
Beluga Whale (Cumberland Sound population)	Threatened	Pending	DFO
Beluga Whale (Western Hudson Bay population)	Special Concern	Pending	DFO

Beluga Whale (Eastern High Arctic – Baffin Bay population)	Special Concern	Pending	DFO
Bowhead Whale (Hudson Bay-Foxe Basin population)	Threatened [4]	Pending	DFO
Bowhead Whale (Davis Strait-Baffin Bay population)	Threatened [4]	Pending	DFO
Porsild's Bryum	Threatened	Pending	Government of Nunavut
Atlantic Walrus	Special Concern	Pending	DFO
Narwhal	Special Concern	Pending	DFO
Rusty Blackbird	Special Concern	Pending	Government of Nunavut
Barren-ground Caribou (Dolphin and Union population)	Special Concern [3]	Pending	Government of Nunavut
Grizzly Bear	Special Concern	Pending	Government of Nunavut
Polar Bear	Special Concern	Pending	Government of Nunavut
Wolverine (Western Population)	Special Concern	Pending	Government of Nunavut

[1] Environment Canada has a national role to play in the conservation and recovery of Species at Risk in Canada, as well as responsibility for management of birds described in the Migratory Birds Convention Act (MBCA). Day-to-day management of terrestrial species not covered in the MBCA is the responsibility of the Territorial Government. Populations that exist in National Parks are also managed under the authority of the Parks Canada Agency. EC = Environment Canada, DFO = Department of Fisheries and Oceans

[2] Designated as Endangered by COSEWIC in April 2006 and it is expected that the category of concern in SARA will also be changed from Special Concern to Endangered.

[3] Peary Caribou was split into three separate populations in 1991: Banks Island (Endangered), High Arctic (Endangered) and Low Arctic (Threatened) populations. The Low Arctic population also included the Barren-ground Caribou - Dolphin and Union population. In May 2004 all three population designations were de-activated, and the Peary Caribou, Rangifer tarandus pearyi, was assessed separately from the Barren-ground Caribou (Dolphin and Union population), Rangifer tarandus groenlandicus. The subspecies pearyi is composed of a portion of the former "Low Arctic population" and all of the former "High Arctic" and "Banks Island" populations, and it was designated Endangered in May 2004. Although SARA lists Peary Caribou on Schedule 2 as three separate populations, the most current designation is the COSEWIC designation of the subspecies pearyi as Endangered.

[4] The "Eastern and Western Arctic populations" of Bowhead Whale were given a single designation of Endangered in April 1980 by COSEWIC. These were split into two populations to allow separate designations in April 1986. The Eastern population was not re-evaluated in April 1986, but retained the Endangered status of the original "Eastern and Western Arctic populations". The Eastern Arctic population was further split into two populations (Hudson Bay-Foxe Basin population and Davis Strait-Baffin Bay population) in May 2005, and both these populations were designated as Threatened. Both these populations are under consideration for addition to Schedule 1. Although SARA lists the Eastern Arctic population as Endangered (Schedule 2), the most current designation is the COSEWIC designations of the Hudson Bay-Foxe Basin and Davis Strait-Baffin Bay populations as Threatened.

Appendix C
Archaeological and Palaeontological Resources Terms and Conditions for Land Use Permit Holders

BACKGROUND: Archaeology

As stated in Article 33 of the Nunavut Land Claims Agreement:

The archaeological record of the Inuit of Nunavut is a record of Inuit use and occupancy of lands and resources through time. The evidence associated with their use and occupancy represents a cultural, historical and ethnographic heritage of Inuit society and, as such, Government recognizes that Inuit have a special relationship with such evidence, which shall be expressed in terms of special rights and responsibilities. [33.2.1]

The archaeological record of Nunavut is of spiritual, cultural, religious and educational importance to Inuit. Accordingly, the identification, protection and conservation of archaeological sites and specimens and the interpretation of the archaeological record is of primary importance to Inuit and their involvement is both desirable and necessary. [33.2.2]

In recognition of the cultural, spiritual and religious importance of certain areas in Nunavut to Inuit, Inuit have special rights and interests in these areas as defined by Article 33 of the Nunavut Land Claims Agreement. [33.2.5]

BACKGROUND: Palaeontology

Under the Nunavut Act1, the federal Government can make regulations for the protection, care and preservation of palaeontological sites and specimens in Nunavut. Under the *Nunavut Archaeological and Palaeontological Sites Regulations*2, it is illegal to alter or disturb any palaeontological site in Nunavut unless permission is first granted through the permitting process.

1 s. 51(1)
2 P.C. 2001-1111 14 June, 2001

Definitions

As defined in the *Nunavut Archaeological and Palaeontological Sites Regulations*, the following definitions apply:

"archaeological site" means a place where an archaeological artifact is found.

"archaeological artifact" means any tangible evidence of human activity that is more than 50 years old and in respect of which an unbroken chain of possession or regular pattern of usage cannot be demonstrated, and includes a Denesuline archaeological specimen referred to in section 40.4.9 of the Nunavut Land Claims Agreement.

"palaeontological site" means a site where a fossil is found.

"fossil" includes:

(a) natural casts
(b) preserved tracks, coprolites and plant remains; and
(c) the preserved shells and exoskeletons of invertebrates and the eggs, teeth and bones of vertebrates.

Terms and Conditions

1) The permittee shall not operate any vehicle over a known or suspected archaeological or palaeontological site.

2) The permittee shall not remove, disturb, or displace any archaeological artifact or site, or any fossil or palaeontological site.

3) The permittee shall immediately contact the Department of Culture, Language, Elders and Youth (867) 934-2046 or (867) 975-5500 or 1 (866) 934-2035 should an archaeological site or specimen, or a palaeontological site or fossil be encountered or disturbed by any land use activity.

4) The permittee shall immediately cease any activity that disturbs an archaeological or palaeontological site encountered during the course of a land use operation, until permitted to proceed with the authorization of the Department of Culture, Language, Elders and Youth, Government of Nunavut.

5) The permittee shall follow the direction of the Department of Culture, Language, Elders and Youth and DIAND in restoring disturbed archaeological or palaeontological sites to an acceptable condition.

6) The permittee shall provide all information requested by the Department of Culture, Language, Elders and Youth concerning all archaeological sites or artifacts and all palaeontological sites and fossils encountered in the course of any land use activity.

7) The permittee shall make best efforts to ensure that all persons working under authority of the permit are aware of these conditions concerning archaeological sites and artifacts, and palaeontological sites and fossils.

8) The permittee shall avoid the known archaeological and/or palaeontological sites listed in Attachment 1.

9) The permittee shall have an archaeologist or palaeontologist perform the following functions, as required by the Department of Culture, Language, Elders and Youth:

   a. survey
   b. inventory and documentation of the archaeological or palaeontological resources of the land use area
   c. assessment of potential for damage to archaeological or palaeontological sites
   d. mitigation
   e. marking boundaries of archaeological or palaeontological sites
   f. site restoration

The Department of Culture, Language, Elders and Youth shall authorize by way of a Nunavut Archaeologist Permit or a Nunavut Palaeontologist Permit, all procedures subsumed under the above operations.

SCREENING DECISION REPORT
NIRB FILE NO.: 09RN066

NIRB File No. 09RN066
INAC File No. N2004C0006
KIA File No. KTL304F049

November 30, 2009

Honourable Chuck Strahl
Minister of Indian and Northern Affairs Canada
Indian and Northern Affairs Canada
Gatineau, QC

Via email: Strahl.C@parl.gc.ca

Re: Screening Decision for Sabina Gold and Silver Corporation's *Winter Roads* Project Proposal, 09RN066

Dear Honourable Chuck Strahl:

The primary objectives of the Nunavut Impact Review Board (NIRB) are set out in Section 12.2.5 of the Nunavut Land Claims Agreement (NLCA) as follows:

> *In carrying out its functions, the primary objectives of NIRB shall be at all times to protect and promote the existing and future well-being of the residents and communities of the Nunavut Settlement Area, and to protect the ecosystemic integrity of the Nunavut Settlement Area. NIRB shall take into account the well-being of the residents of Canada outside the Nunavut Settlement Area.*

Section 12.4.4 of the NLCA states:

> *Upon receipt of a project proposal, NIRB shall screen the proposal and indicate to the Minister in writing that:*
>
> a) *the proposal may be processed without a review under Part 5 or 6; NIRB may recommend specific terms and conditions to be attached to any approval, reflecting the primary objectives set out in Section 12.2.5;*
> b) *the proposal requires review under Part 5 or 6; NIRB shall identify particular issues or concerns which should be considered in such a review;*
> c) *the proposal is insufficiently developed to permit proper screening, and should be returned to the proponent for clarification; or*
> d) *the potential adverse impacts of the proposal are so unacceptable that it should be modified or abandoned.*

NIRB Assessment and Decision

After a thorough assessment of all material provided to the Board (please see *Procedural History* and *Project Activities* in **Appendix A**), in accordance with the principles identified within Section 12.4.2 of the NLCA, the decision of the Board as per Section 12.4.4 of the NLCA is:

> **12.4.4 (a)**: the proposal may be processed without a review under Part 5 or 6; NIRB may recommend specific terms and conditions to be attached to any approval, reflecting the primary objectives set out in Section 12.2.5.

Recommended Project-Specific Terms and Conditions
(Pursuant to Section 12.4.4(a) of the NLCA)

The Board is recommending that the following or similar project-specific terms and conditions be imposed upon the Proponent through all relevant legislation:

General

1. Sabina Gold and Silver Corporation (the Proponent) shall maintain a copy of the Project Terms and Conditions at the site of operation at all times.
2. The Proponent shall forward copies of all permits obtained and required for this project to the Nunavut Impact Review Board (NIRB) prior to the commencement of the project.
3. The Proponent shall operate in accordance with all commitments stated in correspondence provided to the NIRB (NIRB Part 1 Form, October 16, 2009; NIRB PSIR Form, October 19, 2009; Non-Technical Summary, October 16, 2009; Spill Contingency Plan, October 19, 2009; Abandonment and Restoration Plan, October 19, 2009; Covering Email to the NIRB, October 19, 2009) and to Indian and Northern Affairs Canada (Land Use Permit Application Form, October 16, 2009).
4. The Proponent shall operate the site in accordance with all applicable Acts, Regulations and Guidelines.

Water

5. The Proponent shall not use water, including constructing or disturbing any stream, lakebed or the banks of any definable water course, unless approved by the Nunavut Water Board.

Waste

6. The Proponent shall backhaul all solid wastes to a previously permitted camp for proper disposal in accordance with any licenses or permits in place at those facilities.
7. The Proponent shall keep all garbage and debris in bags placed in a covered metal container or equivalent until disposed of. All wastes shall be kept inaccessible to wildlife at all times.
8. The Proponent shall ensure that the appropriate transportation of dangerous goods (TDG) documentation accompany all potential hazardous samples that are transported off site.

Fuel and Chemical Storage

9. The Proponent shall locate all fuel and other hazardous materials a minimum of thirty-one (31) metres away from the high water mark of any water body and in such a manner as to prevent their release into the environment.
10. The Proponent shall store all fuel and chemicals in such a manner that they are inaccessible to wildlife.

11. The Proponent shall use secondary containment or a surface liner (drip pans, fold-a-tanks, etc) at all refuelling stations. The Proponent shall ensure that the vehicles transporting equipment and materials on the winter road routes are equipped with appropriate spill kits.
12. The Proponent shall remove and treat hydrocarbon contaminated soils on-site or transport them to an approved disposal site.
13. The Proponent shall ensure that all on site personnel are properly trained in fuel and hazardous waste handling procedures as well as spill response procedures. All spills of fuel or other deleterious materials of any amount must be reported immediately to the 24 hour Spill Line at (867) 920-8130.

Wildlife

14. The Proponent shall ensure that there is no damage to wildlife habitat in conducting this operation.
15. The Proponent shall not harass wildlife. This includes persistently worrying or chasing animals, or disturbing large groups of animals. The Proponent shall not hunt or fish, unless proper Nunavut authorizations have been acquired.
16. The Proponent shall restrict aircraft/helicopter activity related to the project to a minimum altitude of 610 metres above ground level unless there is a specific requirement for low-level flying, which does not disturb wildlife and migratory birds.
17. The Proponent shall ensure that aircraft maintain a vertical distance of 1000 metres and a horizontal distance of 1500 metres from any observed groups (colonies) of migratory birds.
18. The Proponent shall ensure that aircraft/helicopter do not, unless for emergency, touch-down in areas where wildlife are present.
19. The Proponent shall not disturb or destroy the nests or eggs of any birds. If nests are encountered and/or identified, the Proponent shall take precaution to avoid further interaction and or disturbance.
20. The Proponent shall cease activities that may interfere with migration or calving of caribou or muskox, until the caribou or muskox have passed or left the area.
21. The Proponent shall not block or cause any diversion to caribou migration, and shall cease activities likely to interfere with migration such as the movement of equipment or personnel until such time as the caribou have passed.
22. The Proponent shall take all possible measures to avoid wildlife encounters. Any problem wildlife should be reported immediately to the Government of Nunavut, Department of Environment.
23. The Proponent shall ensure all project staff are trained in appropriate bear/carnivore detection and deterrent techniques.

Physical Environment

24. The Proponent shall not move any equipment or vehicles without prior testing the thickness of the ice to ensure the lake is in a state capable of fully supporting the equipment or vehicles.
25. The Proponent shall ensure that stream crossings are located to minimize approach grades. Bank disturbance is to be avoided, and mechanized clearing should not be done immediately adjacent to any watercourse.
26. The Proponent shall not move any equipment or vehicles unless the ground surface is in a state capable of fully supporting the equipment or vehicles without rutting or gouging.
27. The Proponent shall suspend overland travel of equipment or vehicles if rutting occurs. Likewise, upon spring break up; or at such a time as the shorelines of frozen water bodies begin to thaw, the

28. The Proponent shall ensure that the land use area is kept clean and tidy at all times.

Restoration

29. The Proponent shall remove all garbage, fuel and equipment upon abandonment.

30. The Proponent shall complete all clean-up and restoration of the lands used prior to the end of each field season.

Archaeological and Historical Sites

31. The Proponent shall commission a survey of archaeological resources along the proposed road route(s) and any alternative route(s) prior to the construction or use of such road routes.

32. The Proponent shall avoid all known archaeological sites within the project area.

Other

33. The Proponent should, to the extent possible, hire local people and consult with local residents regarding their activities in the region.

34. Any activity related to this application, and outside the original scope of the project as described in the application, will be considered a new project and should be submitted to the NIRB for Screening.

Other NIRB Concerns and Recommendations

1. The Proponent review the bear/carnivore detection and deterrent techniques outlined in "Safety in Grizzly and Black Bear Country" which can be down-loaded from this link: http://www.nwtwildlife.com/Publications/safetyinbearcountry/safety.htm.

2. The Proponent shall maintain a record of wildlife observations while operating within the project area. The reports should include locations (i.e., latitude and longitude), species, number of animals, a description of the animal activity, and a description of the gender and age of animals if possible. Prior to conducting project activities, the Proponent should map the location of any sensitive wildlife sites such as denning sites, calving areas, caribou crossing sites, and raptor nests in the project area, and identify the timing of critical life history events (i.e., calving, mating, denning and nesting).

   Additionally, the Proponent should indicate potential impacts from the project, and ensure that operational activities are managed and modified to avoid impacts on wildlife and sensitive sites. A copy of this wildlife record or report should be submitted annually at the end of the operational season to the appropriate Government of Nunavut contacts.

Regulatory Requirements

In addition, the Proponent is advised that the following legislation may apply to the project:

1. The *Fisheries Act* (http://laws.justice.gc.ca/en/showtdm/cs/F-14///en).

2. The *Nunavut Waters and Nunavut Surface Rights Tribunal Act* (http://www.canlii.org/ca/sta/n-28.8/whole.html).

3. The *Migratory Birds Convention Act* and *Migratory Birds Regulations* (http://laws.justice.gc.ca/en/showtdm/cs/M-7.01).

4. The *Species at Risk Act* (http://laws.justice.gc.ca/en/showtdm/cs/S-15.3). Attached in **Appendix B** is a list of Species at Risk in Nunavut.

5. The *Nunavut Wildlife Act* which contains provisions to protect and conserve wildlife and wildlife habitat, including specific protection measures for wildlife habitat and species at risk.

6. The *Nunavut Act* (http://laws.justice.gc.ca/en/showtdm/cs/N-28.6). The Proponent must comply with the proposed terms and conditions listed in the attached **Appendix C**.

7. The *Transportation of Dangerous Goods Regulations*, *Transportation of Dangerous Goods Act* (http://www.tc.gc.ca/tdg/menu.htm), and the *Environmental Protection Act* (http://laws.justice.gc.ca/en/C-15.31/text.html) The Proponent must ensure that proper shipping documents accompany all movements of dangerous goods. The Proponent must register with the GN-DOE Manager of Pollution Control and Air Quality at 867-975-7748.

8. The *Navigable Waters Protection Act (NWPA)* (http://laws.justice.gc.ca/en/N-22/index.html).

Validity of Land Claims Agreement

Section 2.12.2
Where there is any inconsistency or conflict between any federal, territorial and local government laws, and the Agreement, the Agreement shall prevail to the extent of the inconsistency or conflict.

Dated _____November 30, 2009____ at Sanikiluaq, NU.

_____
Lucassie Arragutainaq, Chairperson

Attachments: Appendix A: Procedural History and Past Activities
Appendix B: Species at Risk in Nunavut
Appendix C: Archaeological and Palaeontological Resources Terms and Conditions for Land Use Permit Holders

Appendix A
Procedural History and Project Activities

Procedural History

On October 19, 2009 the Nunavut Impact Review Board (NIRB or Board) received Sabina Gold and Silver Corporation's (Sabina or 'the Proponent') *Winter Road* project proposal from Indian and Northern Affairs Canada (INAC). The proposed project is located approximately 100 kilometres south of the nearest community of Kingaok (Bathurst Inlet) in the West Kitikmeot region of Nunavut. As no approved Land Use Plan is in place for the West Kitikmeot region, the Nunavut Planning Commission was not required to make a conformity determination for this project. The NIRB assigned this project proposal file number **09RN066**.

In addition to applying for a Land Use Permit with INAC, Sabina further requested the renewal of an existing Land Use Permit previously issued to Dundee Precious Metals Inc. for a winter road located between Sabina's recently acquired Goose Lake and George Lake camps. The winter road between Goose Lake and George Lake camps was screened by the NIRB in 2004 and allowed to proceed in accordance with Section 12.4.4 (a) of the Nunavut Land Claims Agreement (NLCA), subject to project-specific terms and conditions contained within the NIRB's Screening Decision (NIRB File No. 04RN015). The Proponent has applied for a one year authorization for the currently proposed winter road routes (March 1, 2010 through March 1, 2011), with a period of operation lasting for three weeks sometime during the months of March and April 2010.

In recognition of Sabina's recent acquisition of the Goose Lake and George Lake properties, and in order to manage all related filing and permit applications, the Board consolidated the previous NIRB file 04RN015 with the current file, **09RN066**.

This project proposal was distributed to community organizations in Cambridge Bay as well as to relevant federal and territorial government agencies and Inuit organizations. The NIRB requested that interested parties review the proposal and provide the Board with any comments or concerns by November 16, 2009 regarding:

- Whether the project proposal is likely to arouse significant public concern; and if so, why;
- Whether the project proposal is likely to cause significant adverse eco-systemic and socio-economic effects; and if so, why;
- Whether the project is of a type where the potential adverse effects are highly predictable and mitigable with known technology, (providing any recommended mitigation measures); and
- Any matter of importance to the Party related to the project proposal.

On November 16, 2009 the NIRB received email correspondence from the Government of Nunavut – Department of Environment requesting an extension to the public commenting period. The NIRB granted the extension request, providing parties until November 23, 2009 to provide comments on the project proposal. On or before November 23, 2009 the NIRB received comments from the following interested parties:

- **Government of Nunavut – Culture Language Elders and Youth (GN-CLEY)**
- **Government of Nunavut – Department of Environment (GN-DOE)**
- **Environment Canada (EC)**
- **Transport Canada (TC)**

All comments provided to the NIRB regarding this project proposal can be viewed on the NIRB's ftp-site at the following location: http://ftp.nirb.ca/SCREENINGS/COMPLETED%20SCREENINGS/.

Project Activities

The proposed project is located approximately 100 kilometres south of the nearest community of Kingaok (Bathurst Inlet) in the West Kitikmeot region of Nunavut. The Proponent intends to reconstruct a previously established winter road route between the George Lake and Goose Lake camps, in addition to developing a new winter road route between the George Lake and Hackett River camps. Use of these winter road routes would occur over a three week period sometime during the months of March and April 2010.

The proposed project activities include:

- Construction of winter road route between the George Lake and Goose Lake camps (per file 04RN015);
- Construction of winter road route between the George Lake and Hackett River camps (approximately 60 kilometres in length);
- Finalized route selection to be based upon environmental conditions, determined via helicopter and/or snow machine reconnaissance trips;
- Temporary survival tents (1-2) to be established along the winter road routes, for the duration of permitted activities only;
- Redistribution of current inventory of equipment and materials (including chemicals) via Cat-haul transportation between the George Lake, Goose Lake, and Hackett River camps;
- Fuel and supplies delivered daily to personnel along the routes, with removal of waste material to camp as required;
- Clean-up of the routes in preparation for closure; and
- Abandonment and restoration of road routes upon completion of transportation activities.

Appendix B
Species At Risk in Nunavut

This list includes species listed on one of the Schedules of SARA (*Species at Risk Act*) and under consideration for listing on Schedule 1 of SARA. These species have been designated as at risk by COSEWIC (Committee on the Status of Endangered Wildlife in Canada). This list may not include all species identified as at risk by the Territorial Government.

- Schedule 1 is the official legal list of Species at Risk for SARA. SARA applies to all species on Schedule 1. The term "listed" species refers to species on Schedule 1.
- Schedule 2 and 3 of SARA identify species that were designated at risk by the COSEWIC prior to October 1999 and must be reassessed using revised criteria before they can be considered for addition to Schedule 1.
- Some species identified at risk by COSEWIC are "pending" addition to Schedule 1 of SARA. These species are under consideration for addition to Schedule 1, subject to further consultation or assessment.

Schedules of SARA are amended on a regular basis so it is important to periodically check the SARA registry (www.sararegistry.gc.ca) to get the current status of a species.

Updated: August 4, 2009

Species at Risk	COSEWIC Designation	Schedule of SARA	Government Organization with Lead Management Responsibility [1]
Eskimo Curlew	Endangered	Schedule 1	EC
Ivory Gull	Endangered	Schedule 1	EC
Ross's Gull	Threatened	Schedule 1	EC
Harlequin Duck (Eastern population)	Special Concern	Schedule 1	EC
Rusty Blackbird	Special Concern	Schedule 1	Government of Nunavut
Felt-leaf Willow	Special Concern	Schedule 1	Government of Nunavut
Peregrine Falcon (*anatum-tundrius* complex)	Special Concern	Schedule 1 (*anatum*) Schedule 3 (*tundrius)*	Government of Nunavut
Short-eared Owl	Special Concern	Schedule 3	Government of Nunavut
Peary Caribou	Endangered	Pending	Government of Nunavut
Beluga Whale (Eastern Hudson Bay population)	Endangered	Pending	DFO
Red Knot (*rufa* subspecies)	Endangered	Pending	EC
Beluga Whale (Cumberland Sound population)	Threatened	Pending	DFO
Atlantic Cod (Arctic population)	Special Concern	Pending	DFO
Beluga Whale (Western Hudson Bay population)	Special Concern	Pending	DFO
Beluga Whale (Eastern High Arctic – Baffin Bay population)	Special Concern	Pending	DFO
Bowhead Whale (Eastern Canada – West Greenland population)	Special Concern	Pending	DFO
Killer Whale (Northwest Atlantic / Eastern Arctic populations)	Special Concern	Pending	DFO

Porsild's Bryum	Threatened	Pending	Government of Nunavut
Atlantic Walrus	Special Concern	Pending	DFO
Narwhal	Special Concern	Pending	DFO
Red Knot (*islandica* subspecies)	Special Concern	Pending	EC
Horned Grebe (Western population)	Special Concern	Pending	EC
Barren-ground Caribou (Dolphin and Union population)	Special Concern	Pending	Government of Nunavut
Grizzly Bear	Special Concern	Pending	Government of Nunavut
Polar Bear	Special Concern	Pending	Government of Nunavut
Wolverine (Western Population)	Special Concern	Pending	Government of Nunavut

[1] Environment Canada (EC) has a national role to play in the conservation and recovery of Species at Risk in Canada, as well as responsibility for management of birds described in the Migratory Birds Convention Act (MBCA). Day-to-day management of terrestrial species not covered in the MBCA is the responsibility of the Territorial Government. Populations that exist in National Parks are also managed under the authority of the Parks Canada Agency. The Department of Fisheries and Oceans (DFO) has responsibility for management of aquatic species.

Appendix C
Archaeological and Palaeontological Resources Terms and Conditions
for Land Use Permit Holders

BACKGROUND: Archaeology

As stated in Article 33 of the Nunavut Land Claims Agreement:

The archaeological record of the Inuit of Nunavut is a record of Inuit use and occupancy of lands and resources through time. The evidence associated with their use and occupancy represents a cultural, historical and ethnographic heritage of Inuit society and, as such, Government recognizes that Inuit have a special relationship with such evidence, which shall be expressed in terms of special rights and responsibilities. [33.2.1]

The archaeological record of Nunavut is of spiritual, cultural, religious and educational importance to Inuit. Accordingly, the identification, protection and conservation of archaeological sites and specimens and the interpretation of the archaeological record is of primary importance to Inuit and their involvement is both desirable and necessary. [33.2.2]

In recognition of the cultural, spiritual and religious importance of certain areas in Nunavut to Inuit, Inuit have special rights and interests in these areas as defined by Article 33 of the Nunavut Land Claims Agreement. [33.2.5]

BACKGROUND: Palaeontology

Under the Nunavut Act[1], the federal Government can make regulations for the protection, care and preservation of palaeontological sites and specimens in Nunavut. Under the *Nunavut Archaeological and Palaeontological Sites Regulations*[2], it is illegal to alter or disturb any palaeontological site in Nunavut unless permission is first granted through the permitting process.

Definitions

As defined in the *Nunavut Archaeological and Palaeontological Sites Regulations*, the following definitions apply:

"archaeological site" means a place where an archaeological artifact is found.

1 s. 51(1)
2 P.C. 2001-1111 14 June, 2001

"archaeological artifact" means any tangible evidence of human activity that is more than 50 years old and in respect of which an unbroken chain of possession or regular pattern of usage cannot be demonstrated, and includes a Denesuline archaeological specimen referred to in section 40.4.9 of the Nunavut Land Claims Agreement.

"palaeontological site" means a site where a fossil is found.

"fossil" includes:

(a) natural casts
(b) preserved tracks, coprolites and plant remains; and
(c) the preserved shells and exoskeletons of invertebrates and the eggs, teeth and bones of vertebrates.

Terms and Conditions

1) The permittee shall not operate any vehicle over a known or suspected archaeological or palaeontological site.

2) The permittee shall not remove, disturb, or displace any archaeological artifact or site, or any fossil or palaeontological site.

3) The permittee shall immediately contact the Department of Culture, Language, Elders and Youth (867) 934-2046 or (867) 975-5500 or 1 (866) 934-2035 should an archaeological site or specimen, or a palaeontological site or fossil be encountered or disturbed by any land use activity.

4) The permittee shall immediately cease any activity that disturbs an archaeological or palaeontological site encountered during the course of a land use operation, until permitted to proceed with the authorization of the Department of Culture, Language, Elders and Youth, Government of Nunavut.

5) The permittee shall follow the direction of the Department of Culture, Language, Elders and Youth and DIAND in restoring disturbed archaeological or palaeontological sites to an acceptable condition.

6) The permittee shall provide all information requested by the Department of Culture, Language, Elders and Youth concerning all archaeological sites or artifacts and all palaeontological sites and fossils encountered in the course of any land use activity.

7) The permittee shall make best efforts to ensure that all persons working under authority of the permit are aware of these conditions concerning archaeological sites and artifacts, and palaeontological sites and fossils.

8) The permittee shall avoid the known archaeological and/or palaeontological sites listed in Attachment 1.

9) The permittee shall have an archaeologist or palaeontologist perform the following functions, as required by the Department of Culture, Language, Elders and Youth:

a. survey
b. inventory and documentation of the archaeological or palaeontological resources of the land

use area
c. assessment of potential for damage to archaeological or palaeontological sites
d. mitigation
e. marking boundaries of archaeological or palaeontological sites
f. site restoration

The Department of Culture, Language, Elders and Youth shall authorize by way of a Nunavut Archaeologist Permit or a Nunavut Palaeontologist Permit, all procedures subsumed under the above operations.