APPENDIX C – NWB SUPPLEMENTARY INFORMATION GUIDE FOR AMENDMENT 1 REQUEST, and WATER LICENCE RENEWAL (Dec 2009)

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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)

License 2BEGEO1015 – amendment 1 request (November 2011)

Only those sections of this questionnaire that are affected by the amendment request are included in the following. All other components and descriptions as outlined in Supplementary Questionnaire for licence renewal (Dec 2009) and is attached.

ADMINISTRATIVE INFORMATION

1. Environment Manager: Elizabeth Sherlock Tel: 604-998-4175 Fax: 604-998-1051
E-mail: esherlock@sabinagoldsilver.com

2. Project Manager: Doug Cater Tel: 604-998-4175 Fax: 604-998-1051
E-mail: dcater@sabinagoldsilver.com

3. Does the applicant hold the necessary property rights?

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

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: Completion:

CAMP CLASSIFICATION

6. Type of Camp

☐ Mobile (self-propelled)
■ Temporary

- [x] Seasonally Occupied
- [ ] Permanent
- [ ] Other:_____

7. What is the design, maximum and expected average population of the camp?
With drilling and exploration activities at the George Project, and the on-going camp reclamation work, improvements were needed to support these activities for safety and economic reasons. The camp currently accommodates up to 30 people, with an average daily population of 20. It is anticipated that increased drilling, exploration activities, baseline monitoring and reclamation activities would result in increasing personnel needs up to 120 people, with an average of ~95.

8. Provide history of the site if it has been used in the past.
2009 Back River project (including Wishbone Trend) purchased by Sabina Silver Corp. Sabina Silver Corp. changed name to Sabina Gold & Silver Corp.
2010 Exploration activities focused on the Goose-Llama area and Wishbone trend. Reclamation activities were started at George.
2011 Exploration activities included Goose-Llama, Wishbone and George Projects with the completion of approximately 75,000m of drilling and airborne and ground geophysical surveys.

CAMP LOCATION

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

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.

11. Is the camp or any aspect of the project located on:
[ ] Crown Lands Permit Number (s)/Expiry Date:

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

[ ] Inuit Owned Lands Permit Number (s)/Expiry Date:

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

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

Sabina representatives have not contacted the nearby communities regarding this amendment. We have discussed with KIA and INAC inspectors during annual inspections.

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 amendment to increase water usage and include water use, storage, collection/diversion and discharge are not expected to have an impact on traditional water use areas by nearby communities during the planned exploration season.

These amendments are also expected to have minimal impact on local fish and wildlife habitat. This is principally because of design and mitigation measures to be implemented to minimize the impact.

PURPOSE OF THE CAMP

15.
- ☐ 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
- ☐ Prospecting
- ☐ Geological mapping
- ☐ Geophysical survey
- ☐ 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

DRILLING INFORMATION

18. Drilling Activities
- ☐ Land Based drilling
- ☐ Drilling on ice

19. Describe what will be done with drill cuttings?

20. Describe what will be done with drill water?

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.

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

Core will be flown from the drill sites to George camp for logging and sampling. Core will be logged and with intervals of potential economic interest sampled by sawing 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 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.

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 Comprehensive Spill Contingency Plan (Nov 2011) is appended.

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

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

WATER SUPPLY AND TREATMENT

26. Describe the location of water sources.

George Lake and local lakes in area of temporary camps and drill sites

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

The estimated daily use is up to:

- ☐ Domestic Use: 45m3/day (at George and temporary camps) Water Source: George Lake and local lakes to temporary camps
- ☐ Drilling: 240m3/day Water Source: George Lake and local lakes
- ☐ Other: 12m3/day Water Source: George Lake, local lakes, exploration, camp and associated infrastructure and disturbed areas.

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: unchanged; as per current water license terms and conditions

29. Will drinking water quality be monitored? What parameters will be analyzed and at what frequency? unchanged; as per current water license terms and conditions

30. Will drinking water be treated? How? unchanged; as per current water license terms and conditions

31. Will water be stored on site? unchanged; as per current water license terms and conditions, however, storage tanks and distribution system will be revised to include 2 – 250gallon holding tanks automatically refilled on "as needed" basis by electric pump. Water from the tanks would be treated (filtered and ultraviolet) prior to use in camp.

WASTE TREATMENT AND DISPOSAL

32. Describe the characteristics, quantities, treatment and disposal methods for:

- ✕ Camp Sewage (blackwater)

- ✕ Camp Greywater

- ✕ Solid Waste

The disposal method of 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 principally be by burning in the dual stage, forced air incinerator to be installed in 2012. It is estimated that on average up to approximately 20 garbage bags (121L capacity) of burnable waste would be generated each day.

Any remaining ash and unburned residue from the incinerator or open burn would be collected in cleaned 205L drums, sealed for transport and flown out for disposal at a suitable, approved Hazardous waste management facility.

- ✕ Bulky Items/Scrap Metal

- ✕ Waste Oil/Hazardous Waste

- ✕ Empty Barrels/Fuel Drums

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 will be installed during 2012. 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?

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

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

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 and waste management methods are used in other Sabina Projects in the Kitikmeot as well as other mineral exploration projects across Nunavut. Common O&M problems are managed through regular monitoring and maintenance. Spill Contingency and Emergency Response Plans address new or irregular problems that may arise in order to ensure personnel safety and minimize environmental impacts.

ABANDONMENT AND RESTORATION

38. Provide a detailed description of progressive and final abandonment and restoration activities at the site.
An amended Abandonment and Restoration Plan, and associated financial security estimate, will be submitted with the 2011 annual report as per 2BEGEO1015 Part B, Item 2(b).

BASELINE DATA

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

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

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