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## ***DRAFT FOR DISCUSSION PURPOSES***

### **TERMS OF REFERENCE**

#### **Application for an Environmental Assessment Certificate:**

**Proposed Secure Landfill and Short-term  
Storage and Treatment Facility, Mile 115,  
Alaska Highway, Wonowon, British Columbia**

**Prepared for: Babkirk Land Services Inc.**

#### **Prepared By:**

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**Project Scientist**

#### **Reviewed By:**

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**Senior Project Manager**

**130137**  
**June 11, 2007**

## PREFACE

*Babkirk Land Services Inc. (the Proponent) is proposing to convert the existing Short-term Storage and Treatment Facility at Mile 115, Alaska Highway, Wonowon, British Columbia to a Secure Landfill and Short-term Storage and Treatment Facility (Project). The location of the existing facility is shown in Figure 1. These Application Terms of Reference (ATOR) define the anticipated contents of the Application for an Environmental Assessment Certificate (Application) required to proceed with the Project under the B.C. Environmental Assessment Act S.B.C. 2002, c. 43 (Act). The ATOR are also provided to facilitate consultation with government agencies, First Nations, the public, and other interested parties, on the scope of the required assessment. The sections are presented in the order in which they will appear in the Application.*

*On January 16, 2007 the EAO declared under Section 10 (1) (c) of the Act that the Project is a Reviewable Project as defined by the Reviewable Projects Regulation (B.C. Reg. 370/02) because it is an off-site facility for the long-term storage or secure landfilling of Hazardous Wastes. As such, the Proponent must first obtain an Environmental Assessment Certificate before obtaining any applicable permit approval(s) and proceeding with construction.*

The Preface will indicate, in general terms, why the Application document has been prepared and how it was developed, including:

- ❑ Indication that the Project is subject to review under the Act pursuant to an Order issued under section 10 of the Act;
- ❑ Notation that the Application has been developed pursuant to Terms of Reference approved by the EAO, and complies with any other relevant instructions provided in the Section 11 Order issued by the EAO under the Act;
- ❑ Identification of the agencies, First Nations and other parties involved in the development of the Application; and
- ❑ A Table of Concordance which cross-references the information presented in the Application with the information requirements identified in the Terms of Reference.

## EXECUTIVE SUMMARY

The Executive Summary will summarize:

- ❑ the Project location;
- ❑ the key components of the Project (facilities and associated activities);
- ❑ key potential Project impacts and proposed mitigation measures;
- ❑ consultation activities undertaken, including information distribution and discussions with First Nations, the general public and government agencies;
- ❑ the issues raised during those consultation activities and how they have been addressed; and
- ❑ the key conclusions of the Proponent resulting from the environmental assessment process.

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*The section numbering is draft (may change should additional information need to be incorporated as the assessment progresses), but is provided to facilitate discussion.*

**LIST OF ABBREVIATIONS AND GLOSSARY OF TERMS**

The Application will include a list of all acronyms and abbreviations used in the document, which will include, but not be limited to:

<b>Act</b>	B.C. Environmental Assessment Act S.B.C. 2002, c. 43
<b>Application</b>	Application for an Environmental Assessment Certificate
<b>ATOR</b>	Application Terms of Reference
<b>B.C.</b>	British Columbia
<b>COSEWIC</b>	Committee on the Status of Endangered Wildlife in Canada
<b>EAO</b>	British Columbia Environmental Assessment Office
<b>EMPs</b>	Environmental Management Plans
<b>HW</b>	Hazardous Waste
<b>Project</b>	Babkirk Secure Landfill and Short-term Storage and Treatment Facility
<b>Proponent</b>	Babkirk Land Services Inc.
<b>SARA</b>	Species at Risk Act

The Application will also include a brief glossary of terms used in the document, which will include, but not be limited to:

<b>Cell</b>	means a compartment within a landfill
<b>Secure landfill</b>	means a disposal facility where HW is placed in or on land and that is designed, constructed and operated to prevent any pollution from being caused by the facility outside the area of the facility
<b>Short-term storage</b>	means the storage of HW for a period exceeding 96 hours (4 days) if the intention is to move the HW elsewhere for treatment, disposal or long term storage
<b>Treatment</b>	means the handling or processing of HW in such a manner as to change the physical, chemical or biological character or composition of the HW in order to eliminate or reduce the volume, or one or more hazardous properties of the HW

<b>1. INTRODUCTION</b>	
<b>1.1</b>	<p><b>Proponent Identification</b></p> <p>This section will include:</p> <ul style="list-style-type: none"> <li>❑ a brief Proponent history, description and contact information (name, address, phone, fax, e-mail);</li> <li>❑ a list of consultants used to prepare the Application; and</li> <li>❑ the name of the company representative(s) managing the Project.</li> </ul>
<b>1.2</b>	<p><b>General Application Background</b></p> <p>This section will summarize:</p> <ul style="list-style-type: none"> <li>❑ the structural components of the Application document;</li> <li>❑ the Project planning and any Project review that has occurred to date; and</li> <li>❑ any legal orders or agreements applying to the review of the Project.</li> </ul>
<b>1.3</b>	<p><b>Project Overview</b></p> <p>This section will provide:</p> <ul style="list-style-type: none"> <li>❑ a brief description of the Project (including location, size and key components), and its purpose (including a list of the materials to be accepted for landfilling);</li> <li>❑ an indication of whether the Project is located on Crown or private land;</li> <li>❑ maps and aerial photograph(s) showing the regional context and site-specific setting of the Project, including proximity of the site to sensitive environmental receptors;</li> <li>❑ an estimation of the total labour force required (direct jobs only) during construction and operation;</li> <li>❑ the estimated capital and operating costs of the Project;</li> <li>❑ a brief description of how the Project will be decommissioned; and</li> <li>❑ a summary of potential Project benefits.</li> </ul>

**1. INTRODUCTION**

**1.4 Regulatory Framework**

*Initial discussions with the Canadian Environmental Assessment Agency have confirmed that a federal review of the Application is not required in addition to the provincial process described here.*

This section will summarize:

- relevant provincial and federal legislation and policy applicable to the Project, including the Hazardous Waste Regulation of the B.C. Environmental Management Act and regulatory requirements governing the transport of wastes from the generators' sites to the Project site;
- any local government official community plans or zoning requirements applicable to the Project;
- any authorizations, such as licenses and permits, required for Project construction and operation, including a description of provincial policies and bonding requirements to ensure the Proponent is held accountable for proper construction, operation and decommissioning of the Project; and
- a statement as to whether a request is being made for concurrent review of the Application for an Environmental Assessment Certificate with the applications for required licenses and permits.

**2. INFORMATION DISTRIBUTION AND CONSULTATION**

**2.1 Public and Stakeholder Consultation**

*The site for the Project is approximately 29 km northeast of the community of Wonowon. To date, the operation of the existing facility has not resulted in any complaints being received by the Proponent.*

This section will provide:

- a summary of the consultation activities undertaken by the Proponent with the public and stakeholders in relation to the Project at the pre-Application stage including:
  - the approach used and the information provided to the public and stakeholders;
  - a detailed record of consultation with the public and stakeholders and a listing of Project-related issues raised; and
  - a description of how these issues have been or are proposed to be addressed by the Proponent, including an indication of the degree to which the public and the Proponent consider these issues to be resolved or addressed (including an issue-tracking summary table).
- a plan and proposed timetable for continued public and stakeholder consultation during the formal Application review period; and
- documentation of the process that the Proponent proposes to use to attempt to resolve outstanding issues.

2. INFORMATION DISTRIBUTION AND CONSULTATION	
<b>2.2</b>	<p><b>First Nations Consultation</b></p> <p><i>The Proponent has confirmed that the Project area is located within the Treaty 8 territory. The Fort Nelson First Nation, the Prophet River First Nation, the Halfway River First Nation, the Blueberry River First Nations, the Doig River First Nation, the West Moberly First Nations and the Saulneau First Nations are signatories to Treaty 8 and have expressed an interest in participating in the review of this Project. For the purposes of these ATOR, any reference to First Nations, is therefore considered to include the above-listed First Nations.</i></p> <p><i>The Fort Nelson First Nation has requested that the Treaty 8 Tribal Association also participate in the review; to this end, the EAO has invited the First Nations noted above and the Treaty 8 Tribal Association to participate on the Working Group established by the EAO for the review of this Project.</i></p> <p>This section will provide:</p> <ul style="list-style-type: none"> <li>□ a summary of the consultation activities undertaken by the Proponent with First Nations in relation to the Project at the pre-Application stage including: <ul style="list-style-type: none"> <li>- the approach used and the information provided to First Nations;</li> <li>- any non-confidential consultation agreements reached with First Nations;</li> <li>- a detailed record of consultation with First Nations and a listing of Project-related issues raised;</li> <li>- a description of how these issues have been or are proposed to be addressed by the Proponent, including an indication of the degree to which First Nations and the Proponent consider these issues to be resolved or addressed (including an issue-tracking summary table).</li> </ul> </li> <li>□ a plan and proposed timetable for continued consultation with First Nations during the formal Application review period; and</li> <li>□ documentation of the process that the Proponent proposes to use to attempt to resolve outstanding issues.</li> </ul>

<b>2. INFORMATION DISTRIBUTION AND CONSULTATION</b>	
<b>2.3</b>	<b>Government Consultation</b>  This section will provide: <ul style="list-style-type: none"><li>□ a summary of the consultation activities undertaken by the Proponent with applicable federal, provincial and local government agencies in relation to the Project at the pre-Application stage including:<ul style="list-style-type: none"><li>- the approach used and the information provided to the agencies;</li><li>- a detailed record of consultation with agencies and a listing of Project-related issues raised; and</li><li>- a description of how these issues have been or are proposed to be addressed by the Proponent, including an indication of the degree to which the agencies and the Proponent consider these issues to be resolved or addressed, (including an issue-tracking summary table).</li></ul></li><li>□ a plan and proposed timetable for continued consultation with the agencies during the formal Application review period; and</li><li>□ documentation of the process that the Proponent proposes to use to attempt to resolve outstanding issues.</li></ul>

3. PROJECT DESCRIPTION AND SCOPE OF PROJECT	
<b>3.1</b>	<p><b>Project Background and Rationale</b></p> <p><i>A detailed Project Description is available on the British Columbia Environmental Assessment Office (EAO) Project Information Centre website:</i></p> <p><a href="http://www.eao.gov.bc.ca/epic/output/html/deploy/epic_project_doc_list_284_p_pro.html">http://www.eao.gov.bc.ca/epic/output/html/deploy/epic_project_doc_list_284_p_pro.html</a></p> <p><i>The Proponent has experienced a considerable decline in the amount of waste brought to the existing facility for storage and treatment since the approval of the Silverberry Secure Landfill Facility application (north of Fort St. John, B.C.) as understandably, direct disposal forms a more cost effective option for clients than treatment and disposal. The conversion of the existing facility from a purely Short-term Storage and Treatment Facility to a Secure Landfill and Short-term Storage and Treatment Facility will allow fair competition between the Proponent and Silverberry facilities in providing responsible waste management solutions for local industry.</i></p> <p><i>The Project would be located entirely within the boundaries of the Proponent's existing Short-term Storage and Treatment Facility, which accepts wastes up to and including Hazardous Waste (HW) concentrations generated by the local oil and gas industry. The Project is intended to accept waste soil from the same sources as the existing facility, as well as desiccant material, sulphur catalyst and salt-impacted soil. The Project will continue to accept wastes up to and including HW concentrations. The Project will not accept Naturally Occurring Radioactive Materials (NORM).</i></p> <p>This section will provide:</p> <ul style="list-style-type: none"> <li>❑ a Project history;</li> <li>❑ the rationale for the Project and Project objectives;</li> <li>❑ a list of the materials to be accepted at the Project for disposal;</li> <li>❑ a map showing the geographical area from which wastes will be accepted; and</li> <li>❑ a description of any sustainability principles which have guided Project planning.</li> </ul>

3. PROJECT DESCRIPTION AND SCOPE OF PROJECT	
<b>3.2</b>	<p><b>Project Location and Mapping</b></p> <p><i>The Project will be constructed and operated in place of the existing Short-term Storage and Treatment cells at the facility (see Figure 2). It is proposed that soil with lighter end hydrocarbons amenable to bioremediation would be treated at the Project and used for cover soil. A portion of at least one of the Secure Landfill Cells would be set aside for this bioremediation. The location of this set aside area might vary over time within the cells.</i></p> <p>The Application will include a description as well as maps/plans/sketches/photographs at a scale for meaningful analysis that show the:</p> <ul style="list-style-type: none"> <li>□ Project location, layout and regional setting, including latitude and longitude;</li> <li>□ Project site features, including the layout of Project components and activities; and</li> <li>□ proximity to designated environmentally sensitive areas or cultural sites, such as national/provincial/regional parks, ecological reserves, heritage and other sensitive areas, including sensitive areas identified through consultation with the public, First Nations and the government.</li> </ul>
<b>3.3</b>	<p><b>Project Facilities</b></p> <p>This section will provide:</p> <ul style="list-style-type: none"> <li>□ a description of all Project components, infrastructure and other facilities to be developed for the Project, including landfill cells, surface water management systems, monitoring wells, and fencing;</li> <li>□ a description of the types of waste materials that will be accepted for disposal in the landfill;</li> <li>□ a note of any facilities specifically required to accept particular materials for disposal; and</li> <li>□ rationale for Project site selection.</li> </ul>

3. PROJECT DESCRIPTION AND SCOPE OF PROJECT	
<b>3.4</b>	<p><b>Construction-Phase Activities</b></p> <p>This section will provide:</p> <ul style="list-style-type: none"> <li>❑ a description of all proposed Project-related construction activities, such as landfill cell construction and site fencing;</li> <li>❑ a description of the intended approach for delivery of services required for construction, including water, energy and materials supply, waste management, maintenance procedures, transportation, accommodation, staffing and management procedures; and</li> <li>❑ a proposed timescale for Project construction.</li> </ul>
<b>3.5</b>	<p><b>Operations-Phase Activities</b></p> <p><i>The Project will increase the storage capacity of the overall facility from 90,000 tonnes, to a total of 750,000 tonnes distributed within three cells of 250,000 tonnes each. Each cell would be constructed, as demand for disposal requires it, with construction anticipated to take place between July and September of a given year. The estimated annual quantity of waste to be received is between 15,000 and 30,000 tonnes; however, this figure is heavily dependent on activity levels in the oil and gas sector and could be outside of this range. The lifetime of the Project will also therefore be directly linked to the rate at which waste is received, but would be approximately 25 years based on the upper projection of demand for disposal each year.</i></p> <p>This section will provide:</p> <ul style="list-style-type: none"> <li>❑ a description of all proposed Project-related operations activities, such as soil movement and compaction, maintenance activities and proposed waste and water quality testing;</li> <li>❑ a description of procedures for (a) the prevention of surface waters entering the landfill, (b) the prevention of surface water running off from the landfill, and (c), the prevention of leachate from the landfill entering the groundwater;</li> <li>❑ a description of procedures for the collection, treatment and disposal of contaminated runoff and leachate from the landfill;</li> <li>❑ a description of procedures for the testing and acceptance of materials for disposal at the landfill;</li> <li>❑ a description of the intended approach for delivery of services required for operation, including water, energy and materials supply, waste management, equipment maintenance, transportation of wastes to the site, accommodation, staffing and management procedures; and</li> <li>❑ a proposed timescale for Project operation.</li> </ul>

3. PROJECT DESCRIPTION AND SCOPE OF PROJECT	
<b>3.6</b>	<p><b>Decommissioning Activities</b></p> <p>This section will provide:</p> <ul style="list-style-type: none"> <li>❑ the expected lifetime of the Project or its components;</li> <li>❑ a preliminary plan for the decommissioning and closure of the Project; and</li> <li>❑ description of plans for any necessary removal of structures and ancillary equipment, and site remediation.</li> </ul>
4. SCOPE OF ASSESSMENT AND STUDY AREAS	
<b>4.1</b>	<p><b>Scope of Assessment</b></p> <p>The Application will:</p> <ul style="list-style-type: none"> <li>❑ describe the scope of assessment as set out in the Section 11 Order issued by the EAO under the Act; and</li> <li>❑ discuss the influence that consultation activities have had on defining this scope.</li> </ul>
<b>4.2</b>	<p><b>Study Area Boundaries</b></p> <p>The Application will:</p> <ul style="list-style-type: none"> <li>❑ describe and/or identify on suitable maps/plans, the geographical areas and timeframes which will be used to establish a Project baseline and to then assess the potential impacts of each Project component, along with the rationale for their selection; and</li> <li>❑ discuss the influence that consultation activities have had on defining these boundaries.</li> </ul> <p>The study boundaries will include nearby communities and First Nations traditional territories, land uses, natural features (including nearby watercourses), and environmentally and culturally sensitive areas, including sensitive areas identified through consultation with the public, First Nations and the government.</p>

5. PROJECT SETTING AND CHARACTERISTICS	
<b>5.1</b>	<p><b>Geophysical Environment</b></p> <p>The Application will, within the relevant study boundary(ies) as defined in Section 4.2:</p> <ul style="list-style-type: none"> <li>❑ describe the Project geographic setting, including key topographic features such as elevated terrain and water bodies;</li> <li>❑ describe the general soil conditions in the Project area and site, including soil classification, subsurface stratigraphy, and information on erosion potential where applicable;</li> <li>❑ provide an overview of the general Project hydrogeological setting, groundwater flow regimes and groundwater quality; and</li> <li>❑ provide background information on local seismology and earthquake potential, avalanche and landslide potential, flood potential and any other known local natural hazards.</li> </ul>
<b>5.2</b>	<p><b>Aquatic Environment and Surface Hydrology</b></p> <p>The Application will, within the relevant study boundary(ies) as defined in Section 4.2:</p> <ul style="list-style-type: none"> <li>❑ identify aquatic habitats (wetlands, ponds, streams, lakes, and rivers). Identification of temporary or seasonal water bodies will be performed at a set time (ideally during or shortly after the spring melt to identify any significant ponding of water at this time);</li> <li>❑ report on fish and fish habitat and any other aquatic habitat, including species, presence, timing and distribution;</li> <li>❑ report on any aquatic vegetation in identified aquatic habitats;</li> <li>❑ provide flow estimates for the aquatic habitats (surface water bodies) identified, where possible;</li> <li>❑ provide baseline water quality information for the aquatic habitats (surface water bodies) identified;</li> <li>❑ highlight any waterways that will need to be crossed as part of the proposed Project, along with any known current or past use of those waterways; and</li> <li>❑ provide references to all data sources and collection methods used to provide this information.</li> </ul>

5. PROJECT SETTING AND CHARACTERISTICS	
<b>5.3</b>	<p><b>Terrestrial Environment and Wildlife</b></p> <p>The Application will, within the relevant study boundary(ies) as defined in Section 4.2:</p> <ul style="list-style-type: none"> <li>□ report on vegetation presence and distribution;</li> <li>□ report on wildlife and wildlife habitat presence and distribution;</li> <li>□ report on any threatened and endangered species presence and distribution, specifically: <ul style="list-style-type: none"> <li>▪ any red-listed or blue-listed wildlife or vegetation species which might be present;</li> <li>▪ any Committee on the Status of Endangered Wildlife in Canada (COSEWIC) listed species which might be present and associated requirements under the federal <i>Species at Risk Act (SARA)</i>; and</li> </ul> </li> <li>□ provide references to all data sources and collection methods used to provide this information.</li> </ul>
<b>5.4</b>	<p><b>Atmospheric Environment</b></p> <p>The Application will, within the relevant study boundary(ies) as defined in Section 4.2:</p> <ul style="list-style-type: none"> <li>□ describe the prevailing local climatic conditions including predominant wind conditions, precipitation, and temperature. Local air quality data will be provided if available from government or other publicly available sources.</li> <li>□ provide references to all data sources and collection methods used to provide this information.</li> </ul>
<b>5.5</b>	<p><b>Land Use Context</b></p> <p>The Application will, within the relevant study boundary(ies) as defined in Section 4.2:</p> <ul style="list-style-type: none"> <li>□ include any information obtained through contact with the federal, provincial and local government, and through public consultation, of the current land use designations, and any current or proposed planning initiatives;</li> <li>□ describe the historic and present land use at the Project site;</li> <li>□ describe any required changes in land designation for the Project;</li> <li>□ describe the present land use in areas surrounding the Project site;</li> <li>□ indicate on a map or plan, the proposed Project land use with respect to the existing surrounding land use;</li> <li>□ provide references to all data sources used to provide this information.</li> </ul>

5. PROJECT SETTING AND CHARACTERISTICS	
<b>5.6</b>	<p><b>First Nations Setting, Traditional Land Use and Archaeology</b></p> <p>The Application will, within the relevant study boundary(ies) as defined in Section 4.2 (unless the information is deemed confidential by the relevant First Nation):</p> <ul style="list-style-type: none"> <li>❑ identify the First Nations that may be affected by the Project;</li> <li>❑ describe Reserves and traditional territories of First Nations that may be affected by the Project;</li> <li>❑ outline Treaty 8 status and the overall rights of Treaty 8 First Nations;</li> <li>❑ describe the traditional land use by First Nations that may be affected by the Project;</li> <li>❑ describe the social, cultural and environmental values identified by the First Nations as being important to them;</li> <li>❑ describe any identified historic sites or culturally significant landscape features that may be affected by the Project;</li> <li>❑ report on First Nations socio-community, socio-economic and public health conditions, in the same manner as outlined in Sections 5.7 and 5.8 for the general public below;</li> <li>❑ provide available data on First Nations businesses and/or business interests of First Nations that may be affected by the Project;</li> <li>❑ provide available data on employment and income of First Nations that may be affected by the Project;</li> <li>❑ identify the types of construction and operating jobs, and other opportunities for employment, that may be available to First Nations that may be affected by the Project; and</li> <li>❑ identify any First Nations land use plans, planning objectives proposed for areas in the vicinity of the proposed Project, and document First Nations treaty rights in the vicinity of the proposed Project.</li> </ul>
<b>5.7</b>	<p><b>Community and Socio-Economic Conditions</b></p> <p>The Application will, within the relevant study boundary(ies) as defined in Section 4.2:</p> <ul style="list-style-type: none"> <li>❑ present general socio-community information, including demographics, transportation infrastructure, traffic patterns/volume, services (including emergency), accommodation supply and employment statistics;</li> <li>❑ present general socio-economic information on the local and regional economy, potential labour supply, and the presence of any existing businesses which could be affected by the Project; and</li> <li>❑ provide references to all data sources used to provide this information.</li> </ul>

5. PROJECT SETTING AND CHARACTERISTICS	
5.8	<p><b>Public Health</b></p> <p>The Application will, within the relevant study boundary(ies) as defined in Section 4.2:</p> <ul style="list-style-type: none"><li>□ present general information on the public health setting, including services available;</li><li>□ summarize baseline factors affecting public health such as noise levels, water and air quality (where publicly available); and</li><li>□ provide references to all data sources used to provide this information.</li></ul>

6. ASSESSMENT OF PROJECT EFFECTS	
<b>6.1</b>	<p><b>Impact Assessment Methodology</b></p> <p><i>As each of the three new Secure Landfill Cells that constitute the Project will be constructed within the footprint of the three existing remediation cells, use existing infrastructure and require only a small construction force, the potential effects to the community and environment are expected to be minor. Some minor economic benefits may be incurred by those employed from local communities in construction and on-going operation. The potential effects of the Project will however be fully assessed in accordance with the impact assessment methodology.</i></p> <p>The Application will describe the process used for assessing Project effects. This process will include:</p> <ul style="list-style-type: none"> <li>❑ describing the Project facilities and activities;</li> <li>❑ describing the nature and extent of any potential effects the Project facilities and activities could have on the existing Project setting (including environmental, social, economic, health, heritage and First Nations setting), within the study area boundaries as defined in Section 4.2 of the Application;</li> <li>❑ describing any proposed practical measures to avoid, mitigate or otherwise accommodate identified adverse effects, including those required by the HW Regulation;</li> <li>❑ identifying the magnitude, frequency, duration, extent, and reversibility of any residual effects of the Project after measures are applied;</li> <li>❑ assessing the significance of any residual effects, using a rating system that will also be fully described; and</li> <li>❑ describing any specific methodologies used to identify the nature and extent of potential effects, and references to all indicators and data sources used.</li> </ul>
<b>6.2</b>	<p><b>Effects Assessment – Project Construction</b></p> <p>Using the impact assessment methodology described in Section 6.1, the Application will:</p> <ul style="list-style-type: none"> <li>❑ describe the potential effects of Project construction, by component; and</li> <li>❑ highlight those effects directly related to First Nations aspects of the Project setting, and provide any relevant, non-confidential agreements with First Nations with respect to impact concerns, as well as an indication of how the Proponent proposes to reduce, mitigate, or avoid these effects.</li> </ul>

6. ASSESSMENT OF PROJECT EFFECTS	
<b>6.3</b>	<p><b>Effects Assessment – Project Operations and Maintenance</b></p> <p>Using the impact assessment methodology described in Section 6.1, the Application will:</p> <ul style="list-style-type: none"> <li>❑ describe the potential effects of Project operations and maintenance, by component; and</li> <li>❑ highlight those effects directly related to First Nations aspects of the Project setting, and provide any relevant, non-confidential agreements with First Nations with respect to impact concerns, as well as an indication of how the Proponent proposes to reduce, mitigate, or avoid these effects.</li> </ul>
<b>6.4</b>	<p><b>Effects Assessment – Project Decommissioning</b></p> <p>Using the impact assessment methodology described in Section 6.1, the Application will:</p> <ul style="list-style-type: none"> <li>❑ describe the potential effects of Project decommissioning, by component; and</li> <li>❑ highlight those effects directly related to First Nations aspects of the Project setting, and provide any relevant, non-confidential agreements with First Nations with respect to impact concerns as well as an indication of how the Proponent proposes to reduce, mitigate, or avoid these effects.</li> </ul>
<b>6.5</b>	<p><b>Accidents and Malfunctions</b></p> <p>The Application will:</p> <ul style="list-style-type: none"> <li>❑ identify the potential for accidents or malfunctions which could lead to environmental impacts, and their likely potential effects on the environment or local community settings;</li> <li>❑ document any proposed mitigation measures or contingency plans to address these potential impacts; and</li> <li>❑ describe at the conceptual level the accidents and malfunctions plan that will be in place for Project start-up.</li> </ul>
<b>6.6</b>	<p><b>Effects of the Environment on the Project</b></p> <p>The Application will include an assessment of the effects of the environment on the Project. This assessment will include:</p> <ul style="list-style-type: none"> <li>❑ a description of the potential effects of extreme events such as avalanches, landslides, debris flows, ice storms, fires, floods and earthquakes directly on the Project, and indication of any measures proposed to mitigate these effects.</li> </ul>

<b>6. ASSESSMENT OF PROJECT EFFECTS</b>	
<b>6.7</b>	<b>Summary of Project Impacts and Mitigation Measures</b>  The Application will provide: <ul style="list-style-type: none"><li>□ a summary of all the Application impact assessment findings, including any mitigation measures proposed to avoid, mitigate or otherwise accommodate identified adverse effects and the assessment of the significance of any residual effects.</li></ul>
<b>6.8</b>	<b>Summary of Commitments</b>  The Application will include: <ul style="list-style-type: none"><li>□ a summary table of proposed commitments stated elsewhere in the Application, including the timing of any action and the responsible party for addressing each of the actions for which a commitment has been made.</li></ul> The summary table will include all of the significant impact management commitments in the Application, including commitments to any standard as well as special management practices and design features, organized by impact topic.

**7. ENVIRONMENTAL MANAGEMENT PROGRAM**

**7.1 Environmental Management Program**

The Application will present an overview of the Environmental Management Plans (EMPs), proposed for the construction, operation, and decommissioning of the Project and will include, but not be limited to:

- ❑ construction and operations waste management plans;
- ❑ construction archaeological resources monitoring plan;
- ❑ surface water quality monitoring and surface water run-off control plans;
- ❑ groundwater quality monitoring plan;
- ❑ dust control plan;
- ❑ accidents and malfunctions plan, including spill prevention and emergency response;
- ❑ closure plan; and
- ❑ any EMPs proposed to reduce, mitigate, or avoid potential Project effects related to First Nations aspects of the Project setting, identified as part of the effects assessment outlined in Section 6.

The Application will explain how these plans will also meet the requirements of the HW Regulation. The Application will also outline reporting mechanisms and communication protocols for the environmental monitoring program.

## **8. CONCLUSION**

The Application will present one of the following potential conclusions based on the information and analysis in the Application:

- the Project is not likely to cause significant adverse environmental, socio-economic/community, First Nations or other effects, taking into account the implementation of appropriate impact management measures, as identified in Section 6 of the Application;
- the Project is likely to cause significant adverse environmental, socio-economic/community, First Nations or other effects, even taking into account the implementation of appropriate impact management measures, as identified in Section 6 of the Application; or
- it is uncertain at the time of the review whether or not the Project is likely to cause significant adverse environmental, socio-economic/community, First Nations or other effects, even taking into account the implementation of appropriate impact management measures, as identified in Section 6 of the Application.

## **9. REFERENCES, SUPPORTING DOCUMENTS AND APPENDICES**

This section of the Application will contain references/ tables/ photographs/ diagrams/ figures/ plans/ drawings/ appendices cross-referred to throughout the Application.

Figure 1: Project Location

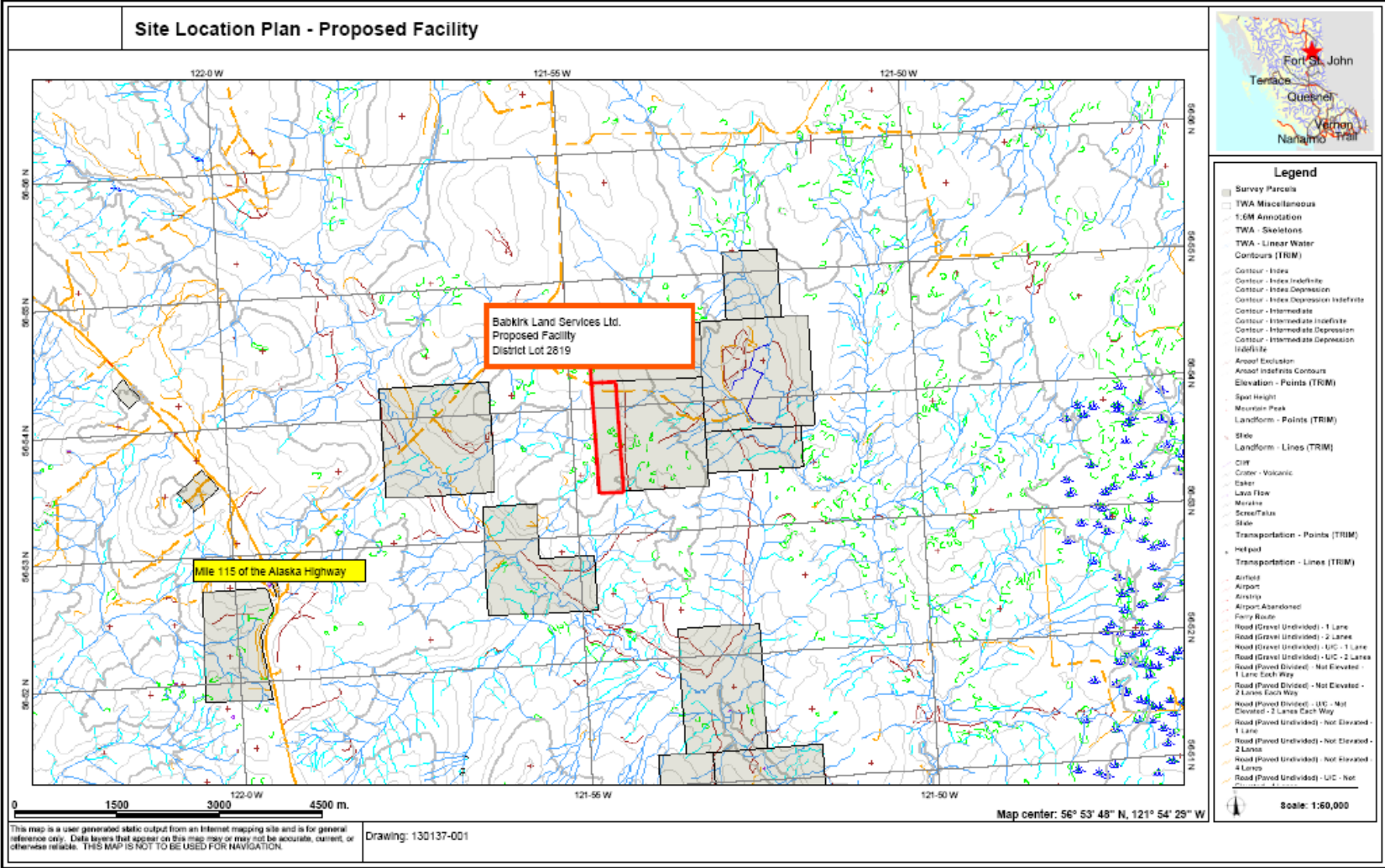


Figure 2: Project Site Layout

