



## Appendix

<b>GN-01: Mitigation Measures and Waste Management</b>	
<b>Department</b>	Environment
<b>Organization</b>	Government of Nunavut
<b>Subject/Topic</b>	Project Mitigation Measures and Waste Management
<b>References</b>	<ul style="list-style-type: none"> <li>• NIRB Application for Screening #125419 - Transmit Array Antenna farm.</li> <li>• Environmental Effects Determination (EED). (2018). Project: DRDC (DND) Land Use in Eureka, Nunavut</li> </ul>
<b>CONCERNS</b>	
<p>As stated in the EED report:</p> <p style="padding-left: 40px;">“[T]he Project is not likely to cause significant adverse environmental effects...The Project can proceed with application of the mitigation measures specified in the interaction tables in this report.” (EED; Page 28)</p> <p>The Project application and supporting documents do not specify whether an environmental monitoring program will be implemented to evaluate this conclusion and proposed mitigation measures. The existing environmental management and monitoring program in Eureka is not described in this application.</p> <p>No detailed information on waste management is presented in the application and supporting documents. Waste management, if not conducted properly, may affect wildlife, as well as cause air and soil pollution. As stated in the EED report:</p> <p style="padding-left: 40px;">“A forced-air fuel fired incinerator will be used to incinerate combustible garbage and debris. Combustible garbage and debris (except petroleum products) will be burned in a container acceptable to a Land Use Inspector. Dispose of all combustible waste petroleum products by removal.” (EED; Table 5)</p> <p>It is not clear:</p> <ol style="list-style-type: none"> <li>1. If project waste will be burned in the incinerator or container;</li> <li>2. What ‘removal’ of petroleum products entails, and;</li> <li>3. What would happen to noncombustible waste. No description of the existing waste management system at Eureka is presented</li> </ol>	
<b>SUGGESTIONS AND RECOMMENDATIONS</b>	

1. Present a description of the proposed waste management system and confirm that the existing waste management facilities and procedures at Eureka can accommodate waste generated by the Project.
2. Present a brief description of the proposed environmental monitoring program and confirm that parties can verify its adequacy.

<b>GN-02: Archaeological Resources</b>	
<b>Department</b>	Culture and Heritage
<b>Organization</b>	Government of Nunavut
<b>Subject/Topic</b>	Archaeological Resources
<b>References</b>	NIRB Notice of Screening
<b>CONCERNS</b>	
<p>The proponent is proposing the expansion of the existing antenna array, including the installation of associated equipment north of the Eureka runway.</p> <p>A search of the Nunavut Archaeological Site Database indicates that sixteen (16) heritage resource sites are located in the vicinity of the Eureka Weather Station. However, the specific area under the current project proposal has never been the object of a systematic archaeological survey. The area appears undisturbed, thus, there is a potential for the presence of unidentified archaeological sites.</p>	
<b>SUGGESTIONS AND RECOMMENDATIONS</b>	
<p>On the basis that the area proposed for development has not been the object of an archaeological survey, the Department of Culture and Heritage recommends that:</p> <ol style="list-style-type: none"> <li>1. A qualified archaeologist applies for a Class 2 permit in order to conduct an archaeological field assessment of any areas subject to ground disturbance activities (antenna arrays; shelters and generators; power cables, including areas on both sides of the airstrip); and</li> <li>2. No activities be conducted in the vicinity (50 m buffer zone) of any archaeological/historical sites. If archaeological sites or features are encountered, activities should immediately be interrupted and moved away from this location. Each site encountered needs to be recorded and reported to the Government of Nunavut Territorial Archaeology Office.</li> </ol> <p>All archaeological and palaeontological sites in Nunavut are protected by law. The applicant must understand that it is their responsibility to ensure that no heritage resource sites are disturbed in the course of their activities. No person shall alter, or otherwise disturb an archaeological site, or remove any artifact from an archaeological site. Moreover, the building of inuksuit is not recommended.</p>	