

Conformity with the Sahtu Land Use Plan

Plane Lake Drive Contaminant Delineation

Tulita Land Corporation Geotechnical Investigation and Combined
Environmental Site Assessment (ESA)

Fort Norman Metis Development Corporation Geotechnical Investigation
and Phase II ESA

Prepared for:

Sahtu Land and Water Board – Land Use Permit Application

Yellowknife, Northwest Territories

January 2019

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As outlined in the Sahtu Land Use Plan (SLUP), Wood must comply with Conformity Requirements (CR) #1 – 14 of the SLUP. Table 1 below illustrates how Wood conforms with the CRs:

Table 1: Wastes and Handling Procedures

CONFORMITY REQUIREMENT	WOOD RESPONSE
<p>CR#1 - Land Use Zoning Land must be used in accordance with the Land Use Zones</p>	<p>Wood is proposing a geotechnical and environmental drilling program within the Hamlet of Tulita.</p>
<p>CR#2 – Community Engagement and Traditional Knowledge Community organizations and potentially affected community members must be adequately engaged with respect to:</p> <ul style="list-style-type: none"> • Proposed activities • Specific locations and issues of concern • Traditional knowledge <p>Land use must be designed and carried out with due regard for community concerns and incorporate Traditional Knowledge.</p>	<ul style="list-style-type: none"> • Wood has reached out to the distribution list for the Tulita District and has received responses which are outlined in the attached Engagement Log • Wood staff were informed that due to the size of the project and the location that a Traditional Knowledge Study was not necessary for this Project
<p>CR# 3 Community Benefits All applications for land use must demonstrate how residents and communities will benefit from the proposed land use. In the absence of any definable benefits to residents or communities, benefits to the broader public interest will be considered.</p>	<ul style="list-style-type: none"> • Wood staff were notified that due to the Project location and the fact that Wood will not be working on any Sahtu owned lands that an Access Agreement will not be required. • The work that is being prosed by Wood will benefit the community and assist with the further development of other projects relating to infrastructure that the community has planned for the upcoming years. • The clients for the Project include the Tulia District Land Corporation as well as the Fort Norman Metis Development Corporation and the Government of the Northwest Territories (GNWT). • Out of town staff required for this project will be accommodated at the facilities located in Tulita which is a direct benefit to the overall community.
<p>CR#4 Archaeological and Burial Sites Land Uses must not be located within 500 m of known or suspected burial sites or within 150 m of suspected archaeological sites unless measures are developed to fully mitigate impacts to the site. In areas where there is a high risk</p>	<p>As noted above the work that is being completed is located within the Hamlet of Tulita and Wood staff and contactors will work with the local organizations relating to the identification of areas of concern if</p>



CONFORMITY REQUIREMENT	WOOD RESPONSE
to known or suspected archaeological sites an Archaeological Impact Assessment (AIA) must be conducted prior to the land use activity.	any arise.
<p>CR#5 Watershed Management The Land Use activity</p> <p>a) does not substantially alter quality, quantity, or rate of flow for waters that flow on, through, or are adjacent to Sahtu Lands, and is subject to mitigation measures to minimize potential impacts on surface and groundwater that flow into CZs, SMZs, or PCI.</p>	<ul style="list-style-type: none"> • The work that is being proposed would not have a significant impact on watersheds in the area as the location of the project is within the Hamlet of Tulita and not adjacent to waterbodies. • Wood also has a Waste Management Plan as well as a Spill Contingency Plan that will be utilized for the deposit of waste and if there was a spill. These Plans will assist in mitigating any impact.
<p>CR#6 Drinking Water</p> <p>1. Any land use activity that would result in the contamination of surface or groundwater within community catchments is prohibited.</p> <p>Where there is reasonable potential for any land use activity to affect a downstream drinking water source the community must be informed, and monitoring conducted.</p>	<p>The project does not involve the release of contaminants to the environment or activities that will result in negative effects to water therefore no effects to drinking water in the Sahtu communities or downstream users are predicted.</p>
<p>CR#7 Impacts to Fish and Wildlife</p> <p>1. Land use activities must be designed using the most current information for identified species of interest and species at risk as obtained from ENR, CWS, DFO, PCA, the SRRB and the local Renewable Resource Councils.</p> <p>2. Impacts to wildlife, their habitat and migration patterns, and important community harvesting areas must be prevented or mitigated to the extent possible.</p>	<p>The location of the Project being within municipal boundaries, Wood expects there to be minimal effect on fish and wildlife. However, Wood is committed to the following:</p> <ul style="list-style-type: none"> • Conducting activities away from water courses • Maintaining a clean work area • Proper waste management • Adherence to best practices relating to wildlife which may come onto site <p>Once proposed mitigations are applied, residual effects of the development on fish and wildlife are predicted to be none too low.</p>
<p>CR#8 Species Introductions</p> <p>Land use activities must not result in the intentional introduction of non-native plant and animal species, or of domestic animal species or subspecies, except by special approval by the appropriate authority. All reasonable precautions must be taken to prevent the introduction of non-native species or sub-species.</p>	<p>Contractors will be required to thoroughly clean their equipment prior to mobilizing from outside the NWT to the project to minimize the risk of introducing foreign species.</p>



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<p>CR#9 Sensitive Species and Features</p>	<ul style="list-style-type: none"> • Wood conducted an examination of available information about terrain, vegetation, water, fish and wildlife in the region. The project is aware of listed species at risk, species under consideration for listing and species of concern through NWT and federal databases. • Wood also noted that with the Project being located within the municipal boundaries that the risk of sensitive species and features being impacted is low.
<p>CR#10 Permafrost Any land use activity requiring a land use permit or water licence must be designed and carried out in a manner that prevents and/or mitigates adverse environmental impacts resulting from the degradation or aggradation of permafrost.</p>	<ul style="list-style-type: none"> • The work that is being proposed by Wood requires drilling where permafrost may be present. Wood will backfill all bore holes once the work has been completed. • Wood will also be placing thermistors into designated holes to monitor and record the permafrost.
<p>CR#11 Project Specific Monitoring Any land use activity requiring a land use permit or water licence must include site-specific monitoring, that is sufficient to monitor the effectiveness of the activity's proposed mitigation measures and any impacts to the values in the surrounding area, as defined in the Plan's Background Report, zone descriptions and in discussions with communities.</p>	<p>The level of monitoring required for this project is minimal, however, Wood will be monitoring permafrost.</p>
<p>CR#12 Financial Security</p>	<p>The work that is being proposed is to assist in the further development of larger projects</p>
<p>CR#13 Closure and Reclamation All applications for land use must include consideration of closure and reclamation and where appropriate, plans shall be developed in consultation with community organizations.</p>	<p>Wood is committed to ensuring that the sites are left in a manner at which they were found. Wood will also be following industry best practices.</p>
<p>CR#14 Protection of Special Values Any land use activity proposed within a Special Management Zone, Conservation Zone or Proposed Conservation Initiative must be designed and carried out in a manner that protects, respects or takes into account the values of the zone as directed in the Plan's Zone Descriptions.</p>	<p>The project will be within the municipal boundaries of Tulita.</p>

