

September 6, 2023

Attention: Chris Hotson
Mackenzie Valley Land and Water Board
P.O. Box 2130
4922 - 48th Street
7th Floor YK Centre Mall
Yellowknife, NT X1A 2P6



Received: September 7, 2023

File #: MV2023X0024

Copied to: AC/FY/Resistry

SLR Project No.: 204.030163.00001

Client Reference No.: 700734912

**RE: Application for a Type B Land Use Permit Under Trigger 5b(i) -
Confirmatory Soil Sampling and Limited Phase II Environmental Site
Assessment – Two PSPC Residential Properties
9818 101st Street and 9606 102nd Street
Fort Simpson, Northwest Territories**

**NOTE: TIME SENSITIVE DUE TO FORT SIMPSON FERRY CLOSURE AND SEASONAL WORK
AND SAFETY DUE TO OPEN EXCAVATION AT RESIDENTIAL PROPERTY**

Revision History

Table 1: Revision History Table

Revision No	Prepared by	Effective Date	Revision List
Rev. 1	Shaun Lamoureux	September 5, 2023	N/A

Introduction

This cover letter is prepared in accordance with *Mackenzie Valley Land and Water Board (MVLWB) Document Submission Standards Section 2.1 Cover Letters*. SLR Consulting (Canada) Ltd. is applying for a Type B Land Use Permit (LUP). The LUP is submitted on behalf of Public Services and Procurement Canada (PSPC). The application is triggered under Type B 5(b)(i) of the *Mackenzie Valley Land Use Regulations*.

Authority to access and work on at the Site has been granted to SLR by PSPC through a contractual agreement. This cover letter is accompanied by the Type B LUP application form and attachments as described below.

Scope of Work

The Scope of Work is as follows:

9606 102nd Street, Fort Simpson

- Utility locates – Subarctic Geomatics.
- Excavation of up to 20 m³ of PHC impacted soils from a heating oil tank spill using a mini excavator and tandem truck.

- Following up on previous excavation during spill response. Removing soil from side walls and base to address remaining lightly impacted soils.
- Removing lightly impacted PHC soils from side walls and base of excavation.
- Loading and transporting approximately 20 m³ or two tandem truck loads of lightly PHC impacted soils are anticipated to be transported to the KBL Yellowknife soil treatment facility. The tandem dump trucks will use the existing municipal roads to load and transport the soil. All shipments will be properly manifested.
- Drilling three groundwater monitoring wells each up to 8 m in depth at 9606 102nd Street Fort Simpson, NT using small track mounted drill weighing 4,100 lbs or 1,800 kg. Work to be completed by Great Slave Drilling.
- Collecting groundwater samples.
- Collecting one surface water grab sample from Mackenzie River.
- Collecting three sediment cores directly adjacent to high water mark.

9818 101st Street, Fort Simpson

- Excavation of a few cubic meters of PHC impacted soil resulting from leak from heating oil tank. Estimated at 2 m³.
- Removal and disposal of bollards and previous heating oil AST.
- Fill excavation and revegetate any disturbed areas if any.

Time Sensitive

This permit application is time sensitive due to the location of the and type of work. The work is to be completed in Fort Simpson. Accessing Fort Simpson requires a ferry crossing of the Liard River.

The Liard River Ferry (Highway 1) closes on average on November 3, 2023.

In addition, there is currently an open excavation from the removal of soils during the emergency response. This open excavation is on a residential property and is a risk. Completing the work this season would eliminate the risk to the homeowner and community members.

SLR is anticipating that work be completed in the last week of September or first week of October.

Liard River Ferry (Highway 1)

Open for the season



Vessel name: M.V. Lafferty

15-year average open date: May 13

15-year average close date: November 3



Closure

Please contact Shaun Lamoureux with any questions or comments by phone at 1 250 819 9677 or 1 250 682 5051 or email. Your time and consideration is greatly appreciated.

Regards,

SLR Consulting (Canada) Ltd.



Shaun Lamoureux, P.Eng, PMP
Senior Environmental Project Manager
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Senior Environmental Project Manager
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Attachment 1 – Project Location Map and Site Details

Attachment 2 – Picture of Existing Property Excavations and Track Mounted Drill Rig

Attachment 3 – MVLWB Land Use Application Form





Attachment 1 Project Location Map and Site Details

**Application for a Type B Land Use Permit Under Trigger 5b(i)
Confirmatory Soil Sampling and Limited Phase II Environmental
Site – Two PSPC Residential Properties**

9818 101st Street and 9606 102nd Street, Fort Simpson, Northwest Territories

Mackenzie Valley Land and Water Board

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GENERAL LOCATION MAP



BASEDATA:
ESRI, DELORME, HERE, TOMTOM,
INTERMAP, INCREMENT P CORP.,
GEBCO, USGS, FAO, NPS, NRCAN,
GEOBASE, IGN, KADASTER NL,
ORDNANCE SURVEY, ESRI JAPAN, METI,
ESRI CHINA (HONG KONG), SWISSTOPO,
MAPMYINDIA, AND THE GIS USER
COMMUNITY

0 0.5 1 2 3 km

SCALE 1:50,000
WHEN PLOTTED CORRECTLY ON A 11 x 17 PAGE LAYOUT
NAD 1983 UTM Zone 10 N

PUBLIC SERVICES AND PROCUREMENT CANADA
9606 102ND STREET
FORT SIMPSON, NWT

LIMITED PHASE II ENVIRONMENTAL SITE
ASSESSMENT

SITE LOCATION



FIGURE NO:

1

DATE: October 24, 2022

PROJECT NO: 234.30025.00000

Cadfile name: S_234-30025-00000-A1.dwg

Lot Location – 9606 102nd St. St. Fort Simpson Parcel Identification and Location - DFRP No. 20797 Lot 145, Plan 613



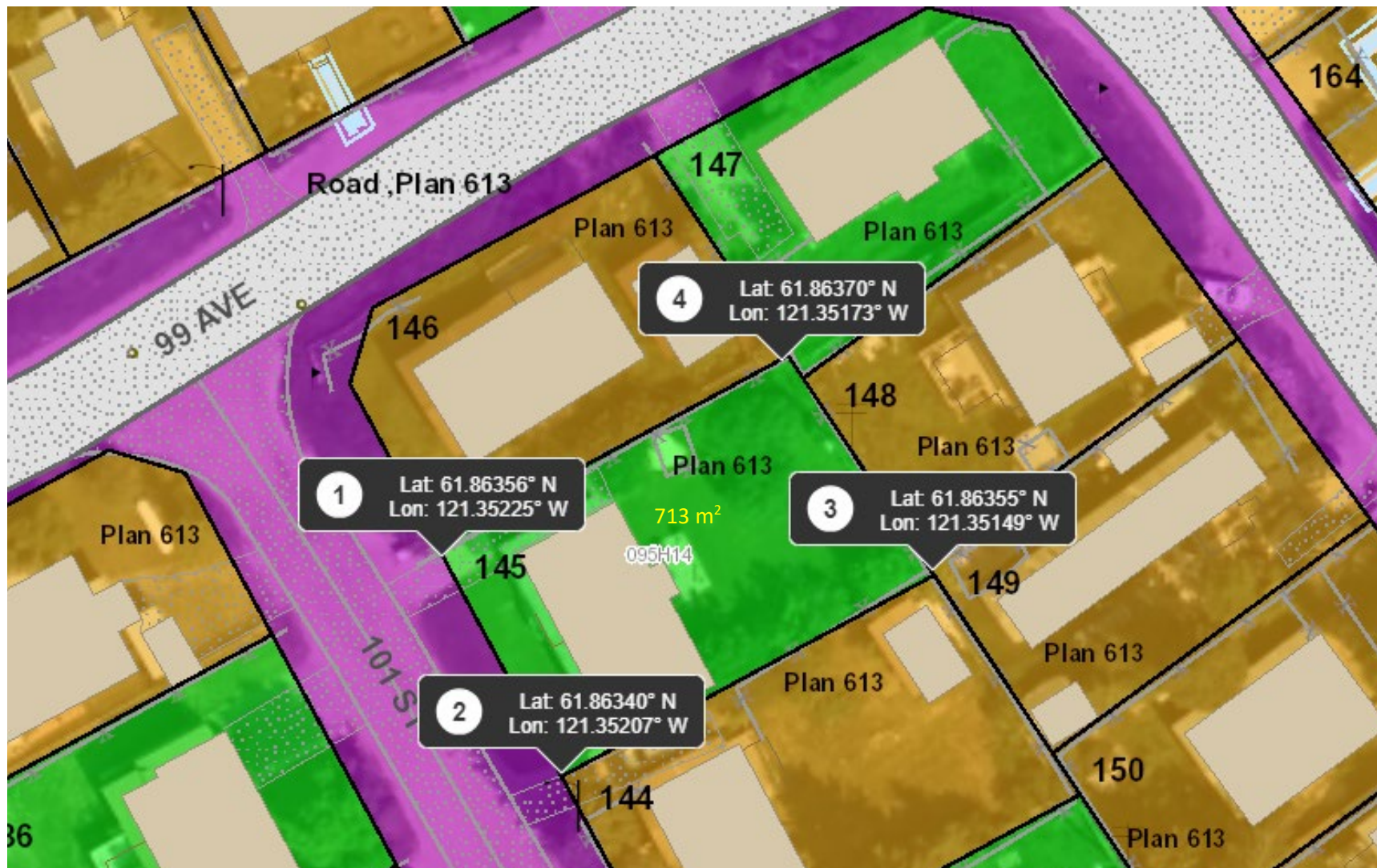
Dimensions and Property Corner Locations – 9606 102nd St. St. Fort Simpson Parcel Identification and Location - DFRP No. 20797 Lot 145, Plan 613



Lot Location – 9818 101st St. Fort Simpson Parcel Identification and Location - DFRP No. 20797 Lot 145, Plan 613



Dimensions and Property Corner Locations – 9818 101st St. Fort Simpson Parcel Identification and Location - DFRP No. 20797 Lot 145, Plan 613





Attachment 2 Photographs

Application for a Type B Land Use Permit Under Trigger 5b(i) Confirmatory Soil Sampling and Limited Phase II Environmental Site – Two PSPC Residential Properties

9818 101st Street and 9606 102nd Street, Fort Simpson, Northwest Territories

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Attachment 2 Photographs

Photo 1: 9606 102nd Street. PSPC Residence

FRONT VIEW OF HOUSE



Photo 2: 9606 101st Street PSPC Residence Former Fuel Oil Tank



Photo 3: 9818 101st Residence



Photo 4: 9818 101st Residence – Historical Fuel Oil Tank Not In Service Minor Leak From Adapter



Photo 5: 9818 101st Residence – Historical fuel oil tank not in service minor leak from adapter. Soil staining is surficial and estimated to be no more than a cubic meter in volume and to be transported to KBL environmental, who accepted the original PHC impacted soil



Photo 6: Drill Rig Used for Soil Sampling and Groundwater Well Installation







Attachment 3 MVLWB Land Use Application Form

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