



June 6, 2103

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Project No.: 205.03639.00000
Client Purchase Order No.: 700260580

Dear Mr. Brownlee,

RE: INUVIK FFTA RECONNAISSANCE SUMMER

SLR is pleased to provide this summary letter that outlines the results of site visit conducted at the Inuvik Airport fire fighter training area (FFTA). Work was conducted under the Public Works and Government Services Canada (PWGSC) Multidisciplinary Environmental Consultant Services Task Authorization Contract EW699-121587/005/NCS.

1.0 OBJECTIVE

SLR conducted a site visit along with Michael Brownlee with PWGSC and Steve Murray with Transport Canada (TC) on June 4th and 5th, 2013. The intent of the reconnaissance was to evaluate the condition of the East Land Treatment Facility (LTF) and liner in preparation for remediation of the fire fighter training area. The western LTF was also assessed as the material in this cell was removed and stockpiled adjacent to it in 2011. It is our understanding that TC would like to have the Artic Liner removed from the western LTF and remnants of it removed from the stockpiled soil.

In addition to this SLR, PWGSC and TC evaluated a local quarry to determine if enough granular was available for use in liner placement and for backfilling the future remedial excavation.

This letter outlines the results from the site visit and inventory of supplies currently on the site.

2.0 EASTERN LTF ASSESSMENT

The eastern LTF has already been constructed but will require some additional work in order to get it ready for the liner and receipt of contaminated soil from the adjacent excavation. The base and berms around the LTF will require some material grading and vegetation removal (see Photograph 1).

The base of the east LTF has a natural slope that extends towards the northeast. Granular soil from the bottom of the site can be graded to the natural low point and/or used to increase the height of the existing berms.

A sump should be constructed in the natural low point for collection of drainage water, which will be captured and pumped back onto the soil in the LTF.

Additionally, soil from the berms of the decommissioned west LTF can be used for preparation of the east LTF.



Photograph 1 - East LTF (looking east)

3.0 WESTERN LTF ASSESSMENT

The western LTF (Photograph 2) was decommissioned during the fall of 2011 and the soil removed and stockpiled adjacent to the site. The artic liner was frozen to the ground and was removed along with the soil and is currently mixed in the stockpiles (Photograph 3). The side slope of the berms in this LTF are currently covered with the remains of the Artic Liner.



Photograph 2 - West LTF (looking west)



Photograph 3 - Liner in stockpiled soil

4.0 EXISTING ON-SITE SUPPLIES

The following supplies are currently stored within the project area and can be used for the construction of the LTF:

1. Sixteen rolls of 180 X 300 geo-textile (Photograph 4). There has been some damage to the outer parts of the geo-textile but it can be removed.

2. Six rolls of an unknown type of geotextile (Photograph 5). It is thicker than the other rolls of geotextile on the site and should be usable in the east LTF.
3. Four rolls of Layfield 6030 High Density PolyEthylene (HDPE) Enviro-liner (Photograph 5). This gauge of this liner is 0.75 mm. It is covered and stored on palletes and appears to be in good shape.
4. Three rolls of Artic liner. The Artic Liner is the green liner on the site and is spooled on metal beams while the Enviro-liner is spooled on wooden beams. This cannot be used in the east LTF and should be moved out of the active project area.



Photograph 4 - Rolls of geotextile



Photograph 5 - Rolls of Enviro-liner and thicker geotextile

5.0 BORROW SOURCE ASSESSMENT

PWGSC, SLR and TC personnel visited a quarry, which is located to the west of the Inuvik Airport FFTA and immediately to the west to the entrance to the site. The north face of the quarry appears to have sufficient granular material for backfill of the FFTA excavation. Removal of this material will be subject to obtaining a quarry permit. This permit is currently being signed off by TC and NWT personnel and it is our understanding that a copy will be provided to TC and PWGSC.

6.0 CLOSURE

We trust this meets your current requirements. Should you require additional details on the East LTF reconnaissance please feel free to contact the undersigned.

Yours sincerely,

SLR Consulting (Canada) Ltd.



Jeff Nyman, M.Sc., P.Eng.
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