



June 2, 2016

Sent via email

Mr. Philippe Thibert-Leduc
Water Resource Officer
Environment and Natural Resources
Government of the Northwest Territories
PO Box 2749
Inuvik, NT X0E 0T0

Dear Mr. Thibert-Leduc:

Response to Inspection Reports

This letter is to formally respond to Inspection Reports for water permit N7L1-1835 related to the Inuvik to Tuktoyaktuk Highway. Responses to the action items identified in your reports follow. We have applied numbering to each request according to our new tracking system for regulator requests.

Source GSC4

2003 The Inspection Report of 04/18/2016 noted that clean-up was required around the fuelling area, including secondary containment. This was completed by 04/21/2016, with any contaminated material scraped up and bagged for proper disposal.

Lake KP82a

2004 The Inspection Report of 04/18/2016 noted items on the ice at KP82a. These items were removed by 04/20/2016.

Source 312

2005 The Inspection Report of 04/18/2016 requested that secondary containment be used if the ~33 fuel drums on site were to be stored for some time. The Contractor has indicated that the fuel drums were stored on site on a temporary basis. Furthermore, the drums were removed from this site by helicopter on 04/20/2016.

2012 The Inspection Report of 05/05/2016 noted "significant volumes of water pooling in different areas". Plans have been reviewed and the issue of water pooling has been addressed with successful diversion of natural drainage.

Source 174

2006 The Inspection Report of 05/05/2016 noted "significant volumes of water pooling at the Southwest and Southeast corners of the pit" and requested that plans be reviewed to "ensure successful diversion of natural drainage". On 05/10/2016 the Contractor made repairs to previously installed erosion and sediment control measures, as well as made new installations and supported those with sandbags. A 2" water pump was also used to pump water from the area of concern into the surrounding tundra. The area has been stabilized at this time; drainage will continue to be monitored.

2007 The Inspection Report of 05/05/2016 noted that "some of the silt fences were not staked in properly and some fences weren't set at the ground level in some areas" and that "straw mats were not properly secured/stapled in and could easily get windblown over time". As noted in #2006, the Contractor was on site 05/10/2016 and made repairs to previously installed erosion and sediment control measures. This included the application of sandbags to secure the mats.

2008 "Drainage channel forming underneath the BMPs which should be backfilled as soon as possible, otherwise water and sediments will discharge downslope." Backfilling has been completed where the drainage channel was forming.

Zed Creek

2009 The Inspection Report from 05/05/2016 made the request to "contain, cover and/or preferably fully remove the stockpiles of fine materials". It is anticipated that these materials will be contained and covered by 06/10/2016.

2010 The Inspection Report of 05/05/2016 noted that silt fences and straw mats were poorly installed in some areas. The Contractor was on site 05/14/2016 and made adjustments to the installation of the silt fences and straw mats, including the addition of sandbags on the mats.

2011 The Inspection Report of 05/05/2016 noted that the embankment slopes around the crossing were without erosion and sediment controls. Erosion and sediment control measures are in place.

Hans Creek

- 2013 The Inspection Report of 05/05/2016 noted that the embankment slopes around the crossing were without erosion and sediment controls. Erosion and sediment control measures are in place.
- 2014 The Inspection Report from 05/05/2016 made the request to “contain, cover and/or preferably fully remove the stockpiles of fine materials”. It is anticipated that these materials will be contained and covered by 06/10/2016.

General

- 2018 The Inspection Report of 05/05/2016 requested that that Department of Transportation begin sampling all surface runoff from Granular Source Pits. Sampling has begun as of 05/09/2016.
- 2019 The Inspection Report of 05/05/2016 requested that a plan be submitted with details regarding tasks, timelines for corrective actions and subsequent regular monitoring. This was promptly submitted.

If you have questions regarding this information, please contact me at (867) 777-2716 or by email at dean_ahmet@gov.nt.ca.

Sincerely,



Dean Ahmet, RET, PL(Eng.), BSc(Eng.), MPM, PMP
Senior Project Manager, ITH
Department of Transportation

cc: Mardy Semmler, Executive Director, Inuvialuit Water Board
Russell Newmark, CEO, EGT Northwind Ltd.