



ENVIRONMENTAL IMPACT REVIEW BOARD

INUVIK TO TUKTOYAKTUK HIGHWAY PROJECT REVIEW

TECHNICAL TELECONFERENCE ON

GRANULAR RESOURCES

July 31, 2012

EIRB Direction to the Developer

In preparation for the Technical Sessions scheduled for August 22 and 23, 2012 in Inuvik, the Review Board has arranged for a Technical Teleconference on Granular Resources, to be held on Thursday, August 2, 2012. The purpose of this teleconference is to provide the Developer with clear direction on the expectations of the Review Board for information to be presented at the Technical Sessions on granular resources.

The Developer is expected to provide the following information:

1. The Review Board is requesting that the granular investigation report (Potential Borrow Source Reconnaissance) promised for August 31, 2012 be made available in a DRAFT form before the technical conference, preferably by August 17, 2012. The Review Board expects the Developer to address several issues in the report and to provide the field data to justify the answers. It is essential that the Developer file the geotechnical reports from the March-April 2012 granular drilling program undertaken by Stantec. The Review Board would like to see the raw data as well as the interpretation placed upon these data.
2. In addition to the summaries of the field investigations at potential aggregate sources, the Review Board expects the Developer to address, either in the report or in supplementary material:
 - a. The volume of aggregate to be extracted from each of the identified borrow pits:
 - i. during construction;
 - ii. during operations in the first 21 years after construction, including the first rehabilitation;
 - iii. during operations in the second 21 years, including the second rehabilitation;
 - iv. during subsequent operations up to 50 years following construction.

- b. The cumulative footprint of each gravel pit during each of these four phases in the life of the project. The proposed footprints for each phase should be delineated on aerial photographs.

The Review Board would like to see the volumes of aggregate defined quantitatively and the footprints delineated cartographically.

- 3. The Review Board is expecting a presentation on the "Lessons Learned" from experience on the Tuktoyaktuk to Source 177 and the Dempster Highway with respect to aggregate use in construction and rehabilitation. The Lessons Learned have been mentioned by the Developer in response to several IR's.
- 4. The Review Board is requesting that in the reporting of granular matters, the Developer provide the volumetric quantity of aggregate used in the recent rehabilitation of the Dempster Highway between Peel River and the Yukon/NWT border. The Review Board would like to know, over the approximately 85 km of this highway, what was the volume of aggregate used:
 - a. in total
 - b. for each 10 km section
 - c. on average per km in the Peel Plateau.
- 5. The Review Board expects the Developer to report on field investigations along the right-of-way that have been conducted subsequent to the Kavik-Stantec aerial photograph analysis. This analysis identified about 65 potential changes to the alignment of the highway as a result of terrain conditions. The Developer is expected to discuss any field investigations conducted subsequent to the March 2012 report, and the results of these investigations. The Review Board is requesting that a report on the field investigations be filed before the public hearings.