



Memorandum

Project Name: Pangnirtung WWTP Project #: OTT-00204430-A0 /File No: 3.1

To: Nathanael Andoseh From: Stephen Bliss

Date: December 10, 2014

Subject: Temporary Bypass of Screened Wastewater During Plant Construction and Initial Start-up

Prepared By: Stephen Bliss

Distribution: Nathanael Andoseh (GN), Daryl Burke (**exp**), Blair Burke (**exp**)

Further to the memo dated Sept. 24, 2014 (attached) regarding the Temporary Bypass, this memo is to address why the Temporary Bypass condition requires an extension. The earlier memo provided an estimated time-line for the construction and start-up bypassing of the complete treatment system. It had indicated a finished plant start-up to be mid/late January 2015, at which time the plant would be accepting full-flow. The last memo had also indicated that the plant would be ready to be seeded in mid-December, and it was ready (but the seeding was not done).

However, there were operational issues with the internet connection which would make it difficult (if not impossible) to provide guidance to the operators if required. Combined with the Christmas season, we believe the prudent thing to do is wait until January to start the seeding and process flow. GE and **exp** personnel will be going back for the start-up (the actual start date will depend on room availability at the Lodge, but is expected to be the week of January 5th, if not, the week of the 12th). This pushes the finish of the start-up to late February requiring that the Temporary Bypass to be maintained until this time.

Submitted by:

A handwritten signature in blue ink that reads 'Stephen Bliss'.

Stephen Bliss, M.Sc.E., P.Eng.
Senior Process Engineer

exp Services Inc.