



March 11, 2019

CGS responds: 1BR KRK 1318

Ian Parsons

Regional Coordinator

Water Resources division,

Nunavut Regional Office,

Iqaluit, NU X0A 0H0

RE: Technical Review Memo - 1BR KRK 1318 Renewal Application

February 28, 2019

Dear Ian,

The Community and Government Services (CGS) is pleased to respond to the AANDC Technical Review Memo clarifying information pertaining soil remediation land farm under the Licence 1BR-KRK1318.

The Department of Community and Government services (CGS) has undertaken the operation of soil remediation land farm and waste management activities since 2016 which has led improvement to hydrocarbon compounds F2-F4 fractions in Petroleum hydrocarbons (PHC) in soils transferred to the landfarm. The licensee has seen an overall reduction about 33% of F2 concentration until 2011, and slowly improved the remediation (decreased parameters values) in soils through the natural process by turning soil layer annually and water wash towards the retention pond in downstream. Water and soil samples tests are identifying criteria set out of remediation level and maturity for removal of soils. The licensee is clarifying those requests by AANDC as below:

- Original soils (2,172 m3) are still in the facility in two layers for remediation. The underneath layer will only be turned up once the upper layer satisfies remediation requirements. We anticipate, the upper layer remediation be completed in 2019-20, and removal will be requested only with the soil and ponding water test results approval. In general, such remediated soils will be repurposed for solid waste cover materials or access roads base layer.
- The additional soils from the same origin are stored in the landfarm facility in Mega bags unopen in 2017, and will be laid on remedial bay area only after the previous soil layers completed and removed from the facility. We anticipate, these new soils be sprayed in layers after 2020.



 (867) 983 4156  (867) 983 4123
www.gov.nu.ca