



November 02, 2009.

Sub: Amendment Application for Water License 3BM-KIM 0911

I am writing you in response to your letter of Mr. David Hohnstein, C.E.T., A/Director of Technical Services, of dated August 21, 2009 and submitting the following documents to satisfy the requirements to amend the existing water License of the Hamlet of Kimmirut.

1. The Plan for sewage disposal during construction
2. Plan for compliance and
3. Sewage effluent discharge criteria

Each item is self explanatory. Item 3 has been revised by the consultant Trow Associates Inc. They have considered the precipitation records for a 5-year, 20-year, 40-year and 100- year return period and analyzed the corresponding dilution rates based on these minimum yearly precipitation rates.

It has been recommended that the effluent criteria at the compliance point (discharge of the lower Lagoon) be based on a dilution factor for the minimum precipitation for a 40 – year return period. And the performance of the Enhanced Sewage disposal system shall be monitored at the out of the lower lagoon, KIM-6 and KIM-7.

We trust that this will satisfy the requirements to amend the existing Water license for the Municipality of Kimmirut. I will appreciate if you keep me in loop of the approval process.

If you have any further question, please contact me at any time.



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Nunalingni Kavamatkunillu Pivikhaqautikkut
Department of Community Government Services
Ministère des Services communautaires et gouvernementaux

Thanks.

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THE PLAN OF SEWAGE DISPOSAL DURING CONSTRUCTION MUNICIPALITY OF KIMMIRUT

The Municipality of Kimmirut is located at 62°50'N and 69°52'W with a population of around 560. This community has been surviving without an engineered wastewater treatment facility since it was established and administered by the Govt. of NWT. The Hamlet of Kimmirut currently discharges its untreated wastewater directly into wetlands onwards to the sea. This location is adjacent to the existing solid waste disposal site located approximately 750 m south of the community. The community needs keep using this facility until the new facility including the access road are updated and commissioned. It is noted that the existing facility is more than 1km away from the new facility as shown in the Community Plan.

During the Govt. of Nunavut, new wastewater treatment facility was designed and partially built in 2000 but never used. The new proposed facility is approximately 1.5km from the Community. This facility has been redesigned to upgrade by Trow Associates Inc. and already approved by NWB.

The construction contract to build the granular road only was awarded out to Kudlik Construction Ltd in late summer 2009 and it is scheduled to complete construction by the middle of summer 2010. Unfortunately the construction of the proposed wastewater treatment facility including rehabilitation of the access road towards this facility may be delayed due to insufficient funding. Additional funding has been requested to proceed with construction just after completion of the granular access road.

Finally the plan for sewage disposal during construction will remain same using the existing method of disposal at the existing location. Therefore at this stage the community has no other option other than waiting for the construction and commissioning of the new facility.

During the next summer, raw and effluent samples will be collected and sent to Ottawa Accredited Lab for testing BOD and TSS. The Hamlet is planning to present the test results with the next annual report. The lab contact address is shown below:

Caduceon Environmental Laboratories

613-526-1244
2378 Holly Lane
Ottawa, Ontario, K1V 7P1
Tel: 613-526-012

The effluent samples testing process is new to this community. The Foreman will be trained during winter so he will perform sampling, shipping and recording the test results correctly.