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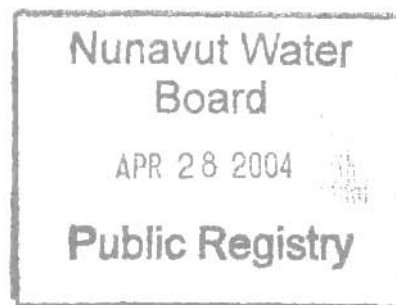
August 26, 2003

Terry Mc Mullen
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RE: August 26, 2003 Municipal Water Licence Report

The Water Resources Officer (WRO) appreciates the assistance provided during the tour of the Hamlet's Water use and Waste Disposal Facilities. Enclosed for your records is a copy of the Municipal Water Use Inspection Report performed on August 26, 2003. During the inspection the following observations were noted.

Part B: General Conditions

Kimmirut has been instructed by the WRO as to the placement of the Surveillance Network Program (SNP) stations at Fondo Lake Water Intake Facility (KIM-1) and the Sewage Disposal Area (KIM-3). When requested by the WRO to produce a copy of the Water Licence the Licencee was unable to comply. The municipality requested information from the WRO with respect to the New Solid Waste and Sewage Disposal Facilities. The WRO did not have copies of these documents and informed the municipality that Community Government & Transportation (CG&T) would be contacted and a request to supply the Municipality with said documents would be made on their behalf. The Licencee expressed concerns with regards to siting the New Waste Disposal Facilities adjacent to Katarnilik Territorial Park (photo 19 & 20). The Kimmirut Housing Corporation was advised by the Inspector to relocate the drums of waste from within 30 metres of the high water mark (photo 21 & 22). As a condition of the Water Licence the municipality of Kimmirut is required to submit a Annual Report detailing all Water Supply and Waste Disposal Facility modifications, a summary of all data generated under the Monitoring Program and any other information as described in Part B: General Conditions of the Licence. Installation of a metre at the Water Intake Facility will assist in tabulating community monthly and annual water consumption as required for the Annual Report. There was evidence of disposal of industrial waste (waste oil, solvent and fuel). The Inspector has informed the SAO that currently Kimmirut is not authorized under its Water Licence to store hazardous waste from any commercial sources, to do so would be in direct violation of the Water Licence and *Nunavut Water and Nunavut Surface Rights Tribunal Act*.

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Part C: Conditions Applying to Water Use

The Licencee appears to be obtaining all drinking water from Fundo Lake using Water Supply Facilities in place. The generator that was not functioning in 2001 & 2002 has been replaced. The Water Intake Facility was operating during the Inspection but the auxiliary Water Truck Intake hose was observed in place at the truck fill station. The Water Intake Facility is fairly well maintained however the chlorine pump appeared to require maintenance. There is no Spill Kit located at the Water Intake Facility or berm around the facility fuel supply (photo 3 & 4), this is required to protect the portable water supply from contamination. Garbage was observed around the auxiliary truck fill station (photo 5), this should be removed to protect the Water Intake Facility pump (photo 6). Garbage was observed in the water within 100 metres of the Water Intake Facility (photo 1). A sign is required at the Water Intake Facility to restrict traffic on Fundo Lake in winter and to alert the public of the facility (photo 2). Fishing should not be allowed in the vicinity of the Water Intake Facility.

Part D: Conditions Applying to Waste Disposal

Given the present Sewage Truck Discharge station is atop the old honeybag storage area. The continued erosion of the sewage truck discharges has uncovered a considerable portion of the old honeybags (photo 11). The new sewage is combined with the honeybag waste and flows 30 metres through the dump overflowing the dump perimeter down to the ocean (photo 12 & 13). The WRO has requested that the municipality cover the eroded portion of the honeybag storage area. The sewage truck discharge is to be relocated 15 metres down stream from its present location. The Solid Waste Disposal facility is poorly organized with several tipping faces being used simultaneously (photo 15). The storage of waste batteries and waste oil is not acceptable. A number of drums of waste are piled haphazardly with missing bungs and evidence of leakage (photo 14). All waste batteries shall be stored in a sea lift or similar storage containers. All waste (oil, solvent and fuel) shall be stored in sound drum with no punctures on level ground in an upright position with all bungs and lids in place. Waste currently stored on the water supply road shall be relocated to the dump. The tank farm shall not continue to discharge accumulated water from within the berm to the dump.

Part E: Conditions Applying to Modifications and Construction

The municipality shall submit proposed plans 60 days prior the commencement of any work to the Old Sewage Truck Discharge Station and Solid Waste Disposal Facility. Kimmirut shall provide the NWB with plans /drawings of the modifications made to the New and Old Sewage Discharge and Solid Waste Disposal Facility as requested by the Inspector.

Part F: Conditions Applying to Operation and Maintenance

The Licencee is required to submit a Sewage and Solid Waste Disposal Facility Operational and Maintenance plan before September 1, 2003. This plan shall be in accordance with *Guidelines of preparing an Operational and Maintenance Manual for the Sewage and Solid Waste Facilities* (October 1996).

Part G: Conditions Applying to Abandonment and Restoration

Six months prior to decommissioning the Old Dump and Sewage Truck Discharge Station the Licencee shall provide the NWB with abandonment and restoration plans.

Part H: Conditions Applying to the Surveillance Network Program

The WRO identified SNP station (KIM-1) Water Intake Facility and (KIM-3) Sewage Truck Discharge Station Effluent. Due to the present methods employed at the Waste Failures, (discharge of Sewage Truck at the Solid Waste Disposal Facility) KIM-3 and KIM -2 are one and the same. These SNP locations will be modified once the new Sewage Lagoon and Solid Waste Disposal Facilities are put into use.

Non-Compliance of Act or Licence

At the time of Inspection the Hamlet of Kimmirut was in breach of the Nunavut Waters and Nunavut Surface Rights Tribunal Act for the disposal of waste. Part D: Conditions Applying to Waste Disposal Item 6; the Licencee shall maintain the Sewage Disposal Facilities to the satisfaction of the Inspector. Part B: General Conditions Item 7; the Licencee shall ensure a copy of the Water Licence is maintained at the municipal office at all times.

If there are any concerns or questions in regards to this inspection please contact me at (867) 975 4298 or bodykevichc@inac.gc.ca

Sincerely,



Constantine Bodykevich
Water Resources Officer (WRO)
INAC, Nunavut District

- cc.
- Nunavut Water Board, Gjoa Haven (Jim Wall)
 - CG&T, Iqaluit (Doug Sitland)
 - Baffin Health & Social Services, Iqaluit (Bruce Trotter)
 - EC Environmental Protection, Yellowknife (Anne Wilson)
 - INAC Water Management, Iqaluit (Michelle Mc Christie)