

Responses to Questions on Water Testing in Pangnirtung presented by:

Nedd Kenney  
Box 192 Pangnirtung, X0A 0R0  
Tel/fax: 867-473-4247

Unfortunately the NWB has not received the 2004, 2005 and 2006 Annual Reports from the Hamlet of Pangnirtung under Water Licence NWB3PAN0207.

1. *What is the date for the Pang water license renewal and the Schedule for inspection prior to license renewal?*

The license (NWB3PAN0207) was issued on December 1, 2002 for a 5 year term. The license will expire November 30, 2007.

Site inspections are conducted by INAC which sets its own schedule for inspections. (See sections 85 and 86 of the *Nunavut Waters and Nunavut Surface Rights Tribunal Act*)

2. *Could you please clarify for me the thresholds for licensing of each of the contaminants being tested for at the Pang dump?*

The current license does not specify thresholds however it does require testing for BOD, Faecal Coliforms, pH, Conductivity, Total Suspended Solids, Ammonia Nitrogen, Nitrate-Nitrite, Oil and Grease (visual), Total Phenols, Sulphate, Sodium, Potassium, Magnesium, Calcium, Total Arsenic, Total Cadmium, Total Copper, Total Chromium, Total Iron, Total Lead, Total Mercury, Total Nickel, Total Zinc.

3. *Could you please clarify for me the thresholds for licensing of each of the contaminants being tested for at the municipal drinking water reservoir?*

Parameters and thresholds for the water reservoir were not defined in the water license with exception to maximum quantity of water to be taken. However, intake water for municipal use is still subject to all relevant legislation.

The drinking water quality should be referenced to the Canadian Council of Ministers of the Environment (CCME) guidelines for drinking water in Canada. These are general guidelines that can be used and testing of the water for public consumption should be tailored to these parameters. The GN Department of Health and Social Services, is responsible for the safe drinking water in Nunavut. Contact the local Public Health Inspector.

4. *What contaminants were found in leachate from ash following the last dump burnings in Iqaluit and what were the requisite mitigating treatments?*

No records on file with the Nunavut Water Board.

5. *I presume past Pang test results are available to the public. May I please have a copy of the comprehensive results from the last testing from the Pang dump and water reservoir?*

Test results are available to the public; however, the Hamlet of Pangnirtung has not submitted recent test results to the NWB. Please contact the Regional Inspector for Water Resources at 867-975-4295 for any test results for samples that may have been obtained during inspections under the *Nunavut Waters and Nunavut Surface Rights Tribunal Act* (NWSRTA). Drinking water results may be obtained from the Public Health Inspector, GN.

6. *What were the sampling locations at the Pang dump? (I presume the west side near the small intermittent stream and north side facing the fiord?)*

Under the license, there is a location for May-Aug testing in the Solid Waste Disposal Facilities designated PAN-2. Inspection samples have been taken from the seepage path from the dump (N 66.0925.7, W 65.4014.8).

7. *Has the leachate from the Pang dump ever required treatment and if so what mitigating treatment was done?*

Within the current license, there are no requirements for leachate treatment at the dump. This would come as a direction of the Inspector, if results indicated that there was concern for the downstream receiving environment. Effluent quality limits may be included within the licence renewal if evidence is available that concerns over leachate quality should be addressed. Again, the Inspection reports (if any on file) should identify these concerns.

8. *What is the anticipated date for the next leachate testing?*

Testing of the leachate from the dump is required on a monthly basis from May through August.