



**Nunavut District Office  
P.O. Box 100  
Iqaluit, NU, X0A 0H0  
Tel: (867) 975-4289  
Fax: (867) 979-6445**

**Brad Sokach  
Director of Engineering  
City of Iqaluit  
Box 460  
Iqaluit, Nunavut  
X0A 0H0**

**June 16, 2004**

**Re: Soil Sampling Protocol for Granular Stockpiles in the North 40.**

Dear Mr. Sokach

Following discussions with the Contaminants section of INAC as well as a conference call with representatives of the City of Iqaluit the sampling protocol for the stockpiles of granular material in the North 40 has been re-evaluated.

The City of Iqaluit originally suggested that a sampling frequency of every 5000 cubic metres would be enough to ensure the level of contamination in the area would not affect the safety of the community. INAC does not agree with this suggestion and prior to the conference call yesterday afternoon, INAC had requested a sampling frequency of 1000 cubic metres.

Originally the sampling was to include only analysis for TPH, with potential follow up metals analysis, but discussions with the City and the Contaminants division of INAC have made it clear that metals analysis should be required on all samples. In order to compromise with the City's request, INAC is requesting that samples be taken for every 2500 cubic metres of soil that is stockpiled in the North 40. The samples should include both a composite and discrete sample for every 2500 cubic metres of stockpiled soil. I would also suggest samples be taken for significant soil piles of less than 2500 cubic metres. Duplicate samples should be taken for every tenth sample and two control samples would also be a good idea. The composite and discrete samples should be analysed for Petroleum Hydrocarbons to determine if the soil meets the Canadian Council of Ministers of the Environment guidelines set out in the Canada-Wide Standards for Petroleum Hydrocarbons in Soil 2001. The composite samples should also be analysed for Metals. All analysis should be performed by a certified Laboratory of the City's choosing with sampling performed in accordance with the requirements of

the certified Laboratory. I have attached the sampling protocol provided by ALS Environmental as an example of appropriate soil sampling protocol and possible soil volumes required for the requested analyses. Any soil samples taken without following the Laboratories protocol should not be analysed as the integrity of the samples can not be assured.

Hopefully this communication will clear up any lingering confusion or discontent with the clarity of INAC's direction.

If you have any questions or concerns please contact me.

Sincerely,



Scott Stewart  
Water Resource Officer  
Field Operations  
Nunavut District Office  
Iqaluit, NU X0A 0H0  
Ph: (867) 975-4289  
Fax: (867) 979-6445  
[stewarts@inac.gc.ca](mailto:stewarts@inac.gc.ca)

cc. City of Iqaluit (Ian Freemantle)  
Nunavut Water Board - Gjoa Haven (Dionne Filiatrault, Jim Wall)  
Environment Canada - Iqaluit (Sid Bruinsma)  
Environment Canada - Yellowknife (Anne Wilson)  
Fisheries and Oceans - Iqaluit (Keith Pelley)