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

September 19, 2008

Nunavut Water Board  
PO Box 119  
GJOA HAVEN NU X0B 1J0  
FAX No. 1+ 867 360 6369

Attention Dionne Filiatrault, P.Eng Executive director

Dear Ms. Filiatrault,

RE : **Plan Of Action For Inspector's Direction Dated July 23 , 2008 for Rankin Inlet**

The Rankin Inlet sewage treatment plant was constructed in 1984 and provides primary treatment to the Hamlet sewage prior to discharge to Hudson Bay. The plant includes a rotating drum screen, which removes coarse materials and assists in primary treatment. In May 2008 the rotating drum screen began to experience mechanical problems. The screen suffered a complete mechanical breakdown in early July 2008 when bearings on the drum rollers failed causing the drum to shift on its axis. The damage was quickly assessed and repairs began immediately using spare rollers kept on hand for maintenance. The work was conducted between July 7 and July 14, 2008.

Upon attempting to restart the rotating drum screen after replacing the rollers, it was found that the central shaft and gearbox had also been damaged and needed to be replaced. The following efforts were undertaken to acquire a new gearbox:

- July 21, 2008 parts list request submitted to GN purchasing
- Purchasing Department obtained quotes from the parts supplier in Southern Ontario
- September 7, 2008 the purchase order was confirmed
- Manufacturer confirmed parts availability and prepared them for shipment

Based on information provided the following schedule is anticipated to complete the repairs:

- Mid to late October, 2008 – receipt of parts
- Late October to mid November 2008 – completion of repairs

The rotating drum screener is expected to be fully operational by November 19, 2008.

Although the drum screener is an integral part of the primary treatment process, no significant environmental impacts are expected as a result of the short period of time when it has been out of operation for repairs.

Kindly contact Bryan Purdy at 1 8676458159 if questions of clarification arise

Yours truly  
Ralph Ruediger  
Regional Director Kivalliq region  
Community and Government Services

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