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Department of Community and Government Services Nunalingni Kavamatkunnilu Pivikhaqautikkut Ministère des Services Communautaires et gouvernementaux

April 02, 2014

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Attention: Erik Skiby

Re: Hamlet of Pangnirtung: Water Licence # 3BM- PAN 0810 Renewal Application

Dear Ms. Beaulieu,

In response to your letter dated April 05, 2012 to SAO, Hamlet of Pangnirtung and recent e-mails to me dated March 25, 2014 and also March 31, 2014 from Mr. Erik Skiby, I am writing you to clarify the following issues mentioned in your letter and Mr. Skiby's e-mails.

Plan for Compliance:

We are running three Capital projects in this Community and the status is as follows:

Wastewater Treatment Plant (WWTP): The construction for optimization of this plant was started in 2013 and expected to be completed in 2014. The existing O&M manual will only be revised and updated once entire construction is complete sometime at the end of 2014. The design consultant is exp Services Inc. and the contractor is kudlik Construction Ltd.

Water Truck Fill Station: Design and Tender document for the new Water Truck Fill station (WTFS) are ready. We are expecting to start construction this summer and hoping to complete in 2016. The new O&M manual will be made available in 2016 prior to commissioning this new facility. The design consultant is Arktis Solution Inc.

Solid waste site: Feasibility study was completed. This project is on hold until further notice. The current consultant is exp Services Inc. Arktis Solution Inc. did a Nunavut wide solid waste feasibility study and recommended new guidelines. CGS will follow the new guidelines for Pangnirtung once this Capital project will start back. The O&M manual for the new facility will be available once construction is complete and commissioned. No O&M manual is existing for the existing dump site. No plan is developed yet for abandonment and restoration of the existing site until and unless the new site is built and commissioned.



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Clarification of following items of Part B:

- Part B, Item 1(f): No abandonment and restoration work was planned and no such work was completed.
- Part B, 1 (g): The existing Manuals for WWTP and WTFS are still unchanged. No modification was made until entire construction of both facilities are complete.
- Part B, 1(h): The Following studies were compete:
 - a. Solid waste feasibility studies by exp Solution Inc. and Arktis Solution Inc.
 - Design for optimization of WWTP by exp services Inc.
 - c. Design for new WTFS by Arktis Solution Inc.

No future study is expected right now.

Part B, 1 (i): Nothing specific. The water extraction volume and test results are shown in the attached 2013 Annual report. Toxicity test was not done. We are recommending deleting the item 3 (a and b) of Part D of the water licence due to constrains of sampling, shipping and testing in the South lab.

Clarification for the following items of Part F:

Water distribution facility Operation and Maintenance (O&M) Plant:

The New manual is expected in 2016.

b. Wastewater Treatment Plant (WWTP) O&M manual:

The Revised manual along with the as built drawings will be available at the end of 2014.

c. Fish Processing Waste Management Plant:

The fish waste is being transported to the dump site, open dried, compacted and buried; whereas; fish liquid is being dumped into the existing lagoon and this will be dumped in the WWTP once its optimization is complete.

d. Sewage Sludge and Screening Management Plant:

This was addressed in the design for WWTP optimization and activated soon after construction is complete.



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e. Solid waste Disposal facility Operation and Maintenance (O&M) Plan:

We create a generic O&M Plan for current MSW site sometime in early 2015.

f. Spill Contingency Plan:

This is a part of the O&M manual of WWTP and will also be the part of the O&M manual of the new Solid Waste Facility. This will be available once those manuals will be available; O&M for WWTP is expected in 2014 and O&M for waste facility is expected in 2017/18.

g. Monitoring Program Quality Assurance/Quality Control Plan (QA/QC Plan):

This is the part of the O&M of WWTP and will also be the part of the O&M of new Solid Waste Facility. This will be available once those manuals will be available; O&M for WWTP is expected in 2014 and O&M for waste facility is expected in 2017/18.

Clarification of Part G, item (2):

(a): Solid waste facility:

The Capital Project is on hold.

(b): Water intake Facilities:

Design development document and construction drawings are attached.

(c): The water Treatment Plant facility:

Design development and construction drawings are attached.

Waste disposal facility (WWTP):

The construction is in Progress.

(d) Petroleum and Chemical Storage Area:

This facility has been upgraded.

(e) Any site affected by waste spill:

Nil



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(f) Leachate prevention:

Yes, there is a dyke in the landfill site along the foreshore.

(g) An implementation schedule:

WTFS: expected completion of construction in 2016 and WWTP: expected completion of construction in 2014

(h) Maps delineating all disturbed areas and site facilities:

A site plan is attached.

(i) Consideration of altered drainage patterns:

Not applicable

(j) Type and source of cover materials:

The granular available in the community is used as cover materials in the land fill site once garbage is burnt and compacted.

(k) Future area use:

A Feasibility study was done by Dillon Consulting Ltd on site selection process for new solid waste management.

(I) Hazardous waste:

A cell will be created in the new solid waste management site to accommodate Hazardous wastes. This is expected in 2017/18.

(m) a proposal identifying measures by which restoration costs will be financed by the Licensee upon abandonment:

The abandonment & restoration is the part of Capital project and funded under CGS Capital Budget.



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AANDC Inspector's comment in 2011:

Arktis Solutions Inc. completed a feasibility study on waste management and recommended new standard and criteria. CGS is planning to implement these new guidelines in the future design. In the study, the different wastes are recommended to treat in different cell in a single compound for waste management for this community. Once the new facility is built and commissioned, the inspector's concern of 2011 will be automatically addressed to the highest satisfaction. The new facility is expected sometime in 2017/2018. exp also suggested incinerator and gasification etc. This was not materialized.

However, the Hamlet is planning to segregate hazardous waste this summer as best as possible. The draft manual will be sent to NWB and AANDC prior to implementation

In the summer, Hamlet is also planning installation of signage at the monitoring stations to satisfy item 1 of Part H: of this water licence.

The design development and tender drawings of the New Truck fill Station are complete. The construction is expected to be scheduled in summer 2014. The design development document is attached considering as the notice /intent of replacement of the new Water Truck Filling Station (WTFS) for Board consideration.

Please contact me if you have any issue or concern with this application renewal process. I will also appreciate if you keep me in the loop for this water licence approval process.

Thanking You.

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Attached: Design Development document for WTFS and Hamlet's authorization letter.