

File No. 3BM-CAM0914/E2

July 8, 2015

Arlen Foster, P. Eng. Civil/Environmental Engineer Stantech Architecture Ltd. 4910 – 53 Street, P. O. Box 1777 Yellowknife NT X1A 2P4

Email: arlen.foster@stantec.com

Re: Licence No.3BM-CAM0914 – Modification Application

Dear Mr. Foster:

The Nunavut Water Board (the NWB or the Board) received on September 12, 2014, from Stantech Architecture Ltd. (Stantech) on behalf of the Hamlet of Cambridge Bay (the Licensee or the Hamlet, or the Applicant), an application and supporting documents (an Application) with respect to modifications requested under Licence No. 3BM-CAM0914 that include the expansion of a potable water distribution line, replacement of a potable water storage tank, and inclusion of additional treatment processes for portable water supplied to the Hamlet. *Annex A* of this letter contains a list of the documents associated with the Application.

Upon receipt of the Application, the Applicant was informed that because Water Licence No. 3BM-CAM0914 had expired, the NWB was unable to act on the Application. However, in recent months the Board has issued a renewed Licence to the Hamlet, making possible for the NWB to now consider the Application under the renewed or existing Licence. The NWB's review of the Application determined that the scope of changes proposed in the Application is of such that they do not constitute amendments to renewed or existing Licence No. 3BM-CAM1520. The Licensee is therefore authorized to undertake the modifications as proposed in its Application. However, the Licensee should note that if the scope of the modifications were to change following issuance of this letter, it is the responsibility of the Licensee to inform the Board and request reconsideration of this authorization.

The Licensee should note that following completion of the proposed modifications, it is required, according to Part E, Item 3 of the term and conditions in the existing Water Licence No. 3BM-

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CAM1520, to submit as-built plans and drawing to the Board for review. Further, the Licensee is required to submit to the Board for review and/or approval an updated operations and maintenance manual for the potable water treatment facility within sixty (60) days following completion of the Modifications. In addition, the Licence is required under Part G, Item 1 of the existing licence to submit an Abandonment, Restoration, and Closure Plan, at least six (6) months prior to abandoning any of the facilities being replaced works authorized under the modifications.

Should you have any questions, please contact the undersigned at your earliest convenience.

Sincerely,

Phyllis Beaulieu Manager of Licensing &A/ED Nunavut Water Board

Attachment ANNEX A

Cc Hamlet of Cambridge Bay Kitikmeot Distribution List

ANNEX A: Documents and Drawings Included in the Application:

- Cover Letter, September 12, 2014;
- Cambridge Bay Potable Water System Phase II Issued for Construction Drawings, May 2014:

	I
Project Location Plan (C101)	Skid and Subfloor Details (S-503)
WTP Site Layout (C-102)	Sections (S-504)
Recirculation Line Access Vault Locations &	
Types (C-103)	Structural Details (S-505)
Distribution Loop Access Vault Locations &	
Types (C-104)	Stair Details (S-506)
Existing and New Water Connection	
Downtown (C-105)	Pile Layout and Details (S-507)
CHARS Loop Access Vault Locations &	
Types (C-106)	Truck Fill Arm Details (S-508)
WTP PAD & Access Road Plan & Profile	
(C-201)	Flow Plan A Assembles (B-101)
New Recirculation Line Plan & Profile	
(0+000 To 0+600) (C202)	Building Elevations (B-102)
N. D. 1 d. I. D. C.D. C.I.	
New Recirculation Line Plan & Profile	Building Section and Misc. Details (B-
(0+600 To 1+200) (C203)	103)
New Recirculation Line Plan & Profile	Piping and Instrumentation Diagram –
(1+200 To 1+758 (C204)	Sheet 1 (P-101)
(1+200 10 1+730 (C204)	Sheet 1 (1 -101)
New Distribution Loop Plan & Profile (0+000	Piping and Instrumentation Diagram –
To 0+420) (C205)	Sheet 2 (P-101A)
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New Distribution Loop Plan & Profile (0+420	Piping and Instrumentation Diagram –
To 1+060) (C206)	Sheet 3 (P-102)
CHARS Distribution Loop Plan & Profile	
(0+000 To 0+500) (C207)	Overall Process Layout (P-103)
CHARS Distribution Loop Plan & Profile	
(0+500 To 0+800) (C208)	Process Room Layout (P-104)
C' '1 D . '1 (C 501)	D
Civil Details (C-501)	Process Room Section and Details (P-105)
Building Wall Penetrations and Pipe Support	M. I I G'. DI. O. T I GE 101)
Details (C-502)	Mechanical Site Plan & Legend (M-101)
Aggest Veult Standard Datails, Shoot One (C.	Machanical Fuel Oil Dlumbing & Fire
Access Vault Standard Details, Sheet One (C-503)	Mechanical Fuel Oil Plumbing & Fire- Protection Layout (M-201)
- 202)	1 Totection Layout (WI-201)
Access Vault Standard Details, Sheet Two (C-	Mechanical Heating Layout & Process
504)	Connections (M-202)
	(
Vault Details, Sheet One (C-505)	Mechanical Ventilation Layout (M-203)

	Mechanical Fuel Oil, Plumbing & Fire
Vault Details, Sheet Two (C-506)	Protection Layout (M-601)
Vault and HDPE Pipe Details, Sheet Three (C-507)	Mechanical Fuel Oil, Plumbing & Fire Protection Layout (M-602)
Reheat Station Modifications and Existing Service Connection Details (C-508)	Mechanical Fuel Oil, and Plumbing Schematics (M-603)
Access Vault Key To Number Parts Connection and Joint Details (509)	Mechanical Details Sheet 1 (M-604)
Existing Pump House Modifications (C510)	Mechanical Details Sheet 2 (M-605)
Top and Side View of 570 m ³ Water Tank (T-501)	Electrical Site Plan and Details (E-101)
Water Tank Details I (T-502)	Electrical Site Plan (E-102)
Water Tank Details II (T-503)	Singleline Diagrams and Details (E-103)
Top and Side View of 60 m ³ Backwash Tank (T-504)	Luminaire Schedule and Details (E-104)
Structural Notes (S-501)	Motor Schedule (E-105)
Skid and Subfloor Assembly (S-502)	

ANNEX A: List of Documents Included under the 2014 Annual Report for Licence No. 1AR-NAN1520:

- 1. Appendix A: Inuktitut translation: Summary of this letter;
- 2. Appendix B: Former Nanisivik Mine Site Waste Management Plan. March 2015 Update;
- 3. Appendix C: 2014 Annual Water Quality Monitoring Report. Stantec. March 20, 2015;
- 4. Appendix D: Inuktitut translation: Executive Summary of 2014 Water Quality Monitoring Report;
- 5. Appendix E: Soil Toxicity Testing and the Derivation of Site Specific Soil Remediation Objectives (SSROs) for the Nanisivik docksite. Hemmera. March 6, 2015:
- 6. Appendix F: Inuktitut translation: Summary of Nanisivik Soil Ecotoxicity Assessment;
- 7. Appendix G: Former Nanisivik Mine Spill Contingency Plan. March 2015 update;
- 8. Appendix H: 2014 Annual Geotechnical Inspection Report. BGC Engineering. February 28, 2015;
- 9. Appendix I: Inuktitut translation: Executive summary of 2014 Geotechnical Inspection Report;
- 10. Appendix J: Quality Assurance / Quality Control Plan for Surface Water Monitoring Samples. Stantec. March 24, 2015;
- 11. Appendix K: Inuktitut translation: Executive summary of Quality Assurance *I* Quality Control Plan;
- 12. Appendix L: Post Closure Geotechnical Monitoring Contingency Plan. BGC Engineering. March 17, 2015;
- 13. Appendix M: Inuktitut translation: Executive summary of Post Closure Geotechnical Monitoring Contingency Plan;
- 14. Appendix N: Contingency Plan for Water Quality Exceedances. Stantec. March 24, 2015;
- 15. Appendix O: Inuktitut translation: Executive summary of Contingency Plan for Water Quality Exceedances;
- 16. Appendix P: Geotechnical Monitoring Instrument Installation Record and Contingency Plan. BGC Consulting. 17 March 2015;
- 17. Appendix Q: Inuktitut translation: Executive summary of Geotechnical Monitoring Instrument Installation Record and Contingency Plan;
- 18. Appendix R: Contaminated SoilRemediation 2014 Progress Report. SRK Consulting. March 2015;
- 19. Appendix S: Inuktitut translation: Executive summary of Contaminated Soil Remediation 2014 Progress Report; and
- 20. Appendix T: Update to Appendix B of the 2014 Abandonment and Reclamation Plan for Treatment of Contaminated Soil at the Former Nanisivik Mine. SRK Consulting. March 2015.