General Water Licence Application
(Application for a new Water Licence)

Document Date: April 2013

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Month/Day/Year

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kNK5 wmoEp5 vtmpq
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NUNAVUT WATER BOARD
OFFICE DES EAUX DU NUNAVUT

DOCUMENT MANAGEMENT

Original Document Date: April 2010

DOCUMENT AMENDMENTS

	Description	Date
(1)	Updated for public distribution as separate document from NWB Guide 4	June 2010
(2)	Updated NWB logos and reformatted table to allow rows to break across page	May 2011
(3)	Update NWB logo	April 2013
(4)		
(5)		
(6)		
(7)		
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(9)		
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NUNAVUT WATER BOARD
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GENERAL WATER LICENCE APPLICATION
(APPLICATION FOR NEW WATER LICENCE)

The applicant is referred to the NWB's Guide 4: *Guide to Completing and Submitting a Water Licence Application for a New Licence* for more information about this application form.

LICENCE NO:
(for NWB use only)

1. APPLICANT (PROPOSED LICENSEE) CONTACT INFORMATION (name, address)

Jacob Saunders – Technical Coordinator
Inukshuk Construction Ltd
1869 Upper Water St. Suite 202
Halifax, NS B3J 1S9

Phone: 902 429-0272
Fax: 902 429-7762
e-mail: jacob_saunders@inukshukconstruction.ca

2. APPLICANT REPRESENTATIVE CONTACT INFORMATION if different from Block 1 (name, address)

Phone: _____
Fax: _____
e-mail: _____
(Attach authorization letter.)

3. NAME OF PROJECT (including the name of the project location)

303 – QEC Iqaluit Bulk Fuel Storage Farm Upgrade

4. LOCATION OF UNDERTAKING

Project Extents

NW:	Latitude: (63°45'28.0" N)	Longitude: (68°30'32.0" W)
NE:	Latitude: (63°45'28.0" N)	Longitude: (68°30'14.0" W)
SE:	Latitude: (63°45'15.0" N)	Longitude: (68°30'14.0" W)
SW:	Latitude: (63°45'15.0" N)	Longitude: (68°30'32.0" W)

Camp Location(s) N/A

Latitude: (° ' " N) Longitude: (° ' " W)

5. MAP - Attach a topographical map, indicating the main components of the undertaking.

See Attached

NTS Map Sheet No.: 25-N-15 Map Name: Iqaluit Map Scale: 1:50 000

6. NATURE OF INTEREST IN THE LAND - Check any of the following that are applicable to the proposed undertaking (at least one box under the 'Surface' header must be checked).

Sub-surface

☐ Mineral Lease from Nunavut Tunngavik Incorporated (NTI)
Date (expected date) of issuance: _____ Date of expiry: _____

☐ Mineral Lease from Indian and Northern Affairs Canada (INAC)
Date (expected date) of issuance: _____ Date of expiry: _____

Surface

☐ Crown Land Use Authorization from Indian and Northern Affairs Canada (INAC)
Date (expected date) of issuance: _____ Date of expiry: _____

☐ Inuit Owned Land (IOL) Authorization from Kitikmeot Inuit Association (KIA)
Date (expected date) of issuance: _____ Date of expiry: _____

☐ IOL Authorization from Kivalliq Inuit Association (KivIA)
Date (expected date) of issuance: _____ Date of expiry: _____

☐ IOL Authorization from Qikiqtani Inuit Association (QIA)
Date (expected date) of issuance: _____ Date of expiry: _____

☐ Commissioner's Land Use Authorization
Date (expected date) of issuance: _____ Date of expiry: _____

☐ Other: _____
Date (expected date) of issuance: _____ Date of expiry: _____

Name of entity(s) holding authorizations:
_____

7. NUNAVUT PLANNING COMMISSION (NPC) DETERMINATION

Indicate the land use planning area in which the project is located.

☐ North Baffin
X South Baffin
☐ Akunniq
☐ Keewatin
☐ Sanikiluaq
☐ West Kitikmeot

Is a land use plan conformity determination required?

☐ Yes X No

If Yes, indicate date issued and attach copy _____
If No, provide written confirmation from NPC confirming that a land use plan conformity review is not required.

Application Submitted to NPC

8. NUNAVUT IMPACT REVIEW BOARD (NIRB) DETERMINATION

Is an Article 12 Part 4 screening determination required?

☐ Yes ☐ No

If Yes, indicate date issued and attach copy _____
If No, provide written confirmation from NIRB confirming that a screening determination is not required.

9. DESCRIPTION OF UNDERTAKING – List and attach plans and drawings or project proposal.

See Attached – "Project Proposal"

10. OPTIONS – Provide a brief explanation of the alternative methods or locations that were considered to carry out the project.

N/A

11. CLASSIFICATION OF PRIMARY UNDERTAKING - Indicate the primary classification of undertaking by checking one of the following boxes.

X Industrial ☐ Agricultural
☐ Mining and Milling (includes exploration/drilling/exploration camps)
☐ Conservation
☐ Municipal (includes camps/lodges) ☐ Recreational
☐ Power ☐ Miscellaneous (describe below):
_____

See Schedule II of *Northwest Territories Waters Regulations* for Description of Undertakings.

Information in accordance with applicable Supplemental Information Guidelines (SIG) must be submitted with a New Water License Application. Indicate which SIG(s) are applicable to your application.

X Hydrostatic Testing
☐ Tannery
☐ Tourist / Remote Camp
☐ Landfarm & On-Site Storage of Hydrocarbon Contaminated Soil
☐ Onshore Oil and Gas Exploration Drilling
☐ Mineral Exploration / Remote Camp
☐ Advanced Exploration
☐ Mine Development
☐ Municipal
☐ General Water Works
☐ Power

12. WATER USE - Check the appropriate box(s) to indicate the type(s) of water use(s) being applied for.

☐ To obtain water for camp/ municipal purposes
X To obtain water for industrial purposes ☐ To divert a watercourse
☐ To cross a watercourse ☐ To modify the bed or bank of a watercourse
☐ To alter the flow of, or store water ☐ Flood control
☐ Other: _____

13. **QUANTITY AND QUALITY OF WATER INVOLVED -** For each type of water use indicated in Block 12, provide the source of water, the quality of the water source and available capacity, the estimated quantity to be used in cubic meters per day, method of extraction, as well as the quantities and qualities of water to be returned to source.

Name of water source(s) (show location(s) on map):

Lake near Anuri Rd. Sub-Division, Iqaluit, NU. (*see attached map*). Two lakes nearby have been identified as standby lakes in case the Anuri Rd. Sub-Division lake does not have sufficient capacity.

Describe the quality of the water source(s) and the available capacity: Source is fresh water, lake area is approximately 3 times that of the containment area. The primary source lake and two standby lakes are present year-round and appear deep on satellite images

Provide the overall estimated quantity of water to be used: **299 m^3/day**

Provide the estimated quantity(s) of water to be used from each source: **5,700 m^3**

Indicate the estimated quantities to be used for each purpose (camp, drilling, etc.)

All water shall be used for hydrostatic testing.

Describe the method of extraction(s):

Water will be extracted from the Primary Source Lake as shown in Appendix A using a centrifugal pump and hoses. Water will be pumped directly into the tank.

Estimated quantity(s) of water returned to source(s): **0 m^3/day**

Describe the quality of water(s) returned to source(s): Water will be returned to the original source using the same transfer pump and hose. Tank being tested will be brand new and will not contain any contaminants.

14. **WASTE** – Check the appropriate box(s) to indicate the types of waste(s) generated and deposited.

☐ Sewage
☐ Solid Waste
☐ Hazardous
☐ Bulky Items/Scrap Metal
☐ Animal Waste
☐ Waste oil
☐ Greywater
☐ Sludges
☐ Contaminated soil and/or water
X Other (describe): Clean water. Only in contact with steel, no contaminants

15. **QUANTITY AND QUALITY OF WASTE INVOLVED** – For each type of waste indicated in Block 14, describe its composition, quantity in cubic meters/day, method of treatment and method of disposal.

Type of Waste	Composition	Quantity Generated	Treatment Method	Disposal Method
Water	Clean Water	5,700m^3	N/A	Discharge into

16. **OTHER AUTHORIZATIONS** – In addition to the sub-surface and surface land use authorizations provided in Block 6, indicate any other authorizations required in relation to the proposed undertaking. For each provide the following: **N/A**

Authorization: _____

Administering Agency: _____

Project Activity: _____

Date (expected date) of issuance: _____ Date of expiry: _____

17. **PREDICTED ENVIRONMENTAL IMPACTS OF UNDERTAKING AND PROPOSED MITIGATION MEASURES** - Describe direct, indirect, and cumulative impacts related to water and waste.

No anticipated negative environmental impact.

18. **WATER RIGHTS OF EXISTING AND OTHER USERS OF WATER**

Provide the names, addresses and nature of use for any known persons or properties that may be adversely affected by the proposed undertaking, including those that hold licences for water use in precedent to the application, domestic users, in-stream users, authorized waste depositors, owners of property, occupiers of property, and/or holders of outfitting concessions, registered trapline holders, and holders of other rights of a similar nature.

Advise the Board if compensation has been paid and/or agreement(s) for compensation have been reached with any existing or other users.

N/A

19. **INUIT WATER RIGHTS**

Advise the Board of any substantial affect of the quality, quantity or flow of waters flowing through Inuit Owned Land (IOL), and advise the Board if negotiations have commenced or an agreement to pay compensation for any loss or damage has been reached with one or more Designated Inuit Organization (DIO).

N/A

20. **CONSULTATION –** Provide a summary of any consultation meetings including when the meetings were held, where and with whom. Include a list of concerns expressed and measures to address concerns.

N/A

21. **SECURITY INFORMATION**

Provide an estimate of the total financial security for final reclamation equal to the total outstanding reclamation liability for land and water combined sufficient to cover the highest liability over the life of the undertaking. Estimates of reclamation costs must be based on the cost of having the necessary reclamation work done by a third-party contractor if the operator defaults. The estimate must also include contingency factors appropriate to the particular work to be undertaken.

Where applicable, the financial security assessment should be prepared in a manner consistent with the principals respecting mine site reclamation and implementation found in the *Mine Site Reclamation Policy for Nunavut,* Indian and Northern Affairs Canada, 2002.

22. FINANCIAL INFORMATION

Provide a statement of financial responsibility.

If the applicant is a business entity, provide a list of the officers of the company.

See Attached – "ICL Organization Chart"

If the applicant is a business entity attach a copy of the Certificate of Incorporation or evidence of registration of the company name.

See Attached – "Business License

23. STUDIES UNDERTAKEN TO DATE - List and attach copies of studies, reports, research, etc.

N/A

24. PROPOSED TIME SCHEDULE – Indicate the proposed start and completion dates for each applicable phase of development (construction, operation, closure, and post closure).

Construction
Proposed Start Date: ____July/2018_____ (month/year) Proposed Completion Date: __September/2018___ (month/year)

Operation
Proposed Start Date: _____ (month/year) Proposed Completion Date: _____ (month/year)

Closure
Proposed Start Date: _____ (month/year) Proposed Completion Date: _____ (month/year)

Post - Closure
Proposed Start Date: _____ (month/year) Proposed Completion Date: _____ (month/year)

For each applicable phase of development indicate which season(s) activities occur.

Construction

☐ Winter ☐ Spring X Summer ☐ Fall ☐ All season

Operation
☐ Winter ☐ Spring ☐ Summer ☐ Fall ☐ All season

Closure
☐ Winter ☐ Spring ☐ Summer ☐ Fall ☐ All season

Post - Closure
☐ Winter ☐ Spring ☐ Summer ☐ Fall ☐ All season

25. PROPOSED TERM OF LICENCE

Number of years (maximum of 25 years): _____1_____ year

Requested Date of Issuance: __January/2018____ (month/year) Requested Expiry Date: __January/2019__ (month/year)

(The requested date of issuance must be at least three (3) months from the date of application for a type B water licence and at least one (1) year from the date of application for a type A water licence, to allow for processing of the water licence application. These timeframes are approximate and do not account for the time to complete any pre-licensing land use planning or development impact requirements, time for the applicant to prepare and submit a water licence application in accordance with any project specific guidelines issued by the NWB, or the time for the applicant to respond to requests for additional information. See the NWB's *Guide 5: Processing Water Licence Applications* for more information)

26. ANNUAL REPORTING – If not using the NWB's *Standardized Form for Annual Reporting*, provide details regarding the content of annual reports and a proposed outline or template of the annual report.

N/A

27. CHECKLIST – The following must be included with the application for the water licensing process to begin.

Written confirmation from the NPC confirming that NPC's requirements regarding land use plan conformity have been addressed.

☐ Yes ☑ No If no, date expected December 20, 2017

Written confirmation from the NIRB confirming that NIRB's requirements regarding development impact assessment have been addressed.

☐ Yes ☑ No If no, date expected Unsure, NWB will forward application

Completed General Water Licence Application form.

☑ Yes ☐ No If no, date expected _____

Information addressing Supplemental Information Guideline (SIG) , where applicable (see Block 11)

☐ Yes ☑ No If no, date expected N/A

English Summary of Application.

☑ Yes ☐ No If no, date expected _____

Inuktitut and/or Inuinnaqtun Summary of Application.

☑ Yes ☐ No If no, date expected _____

Application Fee of $30.00 CDN (Payee Receiver General for Canada).

☐ Yes ☑ No If no, date expected December 15, 2017

Water Use Fee Deposit of $30.00 CDN (Payee Receiver General for Canada). The actual water use fee will be calculated by the NWB based upon the amount of water authorized for use in accordance with the Regulations at the time of issuance of the licence.

☐ Yes ☑ No If no, date expected December 15, 2017

28. SIGNATURE

Jacob Saunders	**Technical Coordinator**		**04/12/2017**
Name (Print)	**Title (Print)**	**Signature**	**Date**

Canada

25-N/15
SCALE 1:50 000
ÉCHELLE
EDITION 03
ÉDITION
IQALUIT

Road: hard surface, more than 2 lanes; service centre
Route : revêtement dur, plus de 2 voies; centre de service

Road: hard surface, 2 lanes; less than 2 lanes; snowshed
Route : revêtement dur, 2 voies; moins de 2 voies; pareavalanche

Road: hard surface, street; loose or stabilized surface, street; conduit bridge
Route : revêtement dur, rue; de gravier, aggloméré, rue; pont de canalisation

Road: loose or stabilized surface, all season, 2 lanes or more; less than 2 lanes
Route : de gravier, aggloméré, toute saison, 2 voies ou plus; moins de 2 voies

Road: loose surface, dry weather; vehicle track or winter road; trail; portage
Route : de gravier, temps sec; chemin de terre ou d'hiver; sentier; portage

Highway interchange; highway route number; built-up area
Échangeur routier; numéro de route; agglomération

Railway, single track; railway station; trestle; multiple tracks; turntable
Chemin de fer, voie unique; gare; chevalet; voies multiples; plaque tournante

Railway, abandoned; railway yard
Chemin de fer, abandonné; gare de triage

Rapid transit: rail; road; footbridge
Transport rapide : voie ferrée; route; passerelle

Causeway; covered bridge; tunnel; bridge; moveable bridge
Chaussée; pont couvert; tunnel; pont; pont mobile

Boundary: international
Limite : internationale

Boundary: provincial or territorial
Limite : provinciale ou territoriale

Boundary: unsurveyed provincial or territorial; area outline
Limite : provinciale ou territoriale non arpentée; surface délimitée

Boundary: administrative; recreational
Limite : administrative; récréative

Boundary: geographic; unsurveyed geographic
Limite : géographique; géographique non arpentée

Fort, wall; fence
Fort, mur; clôture

Power transmission line; multiple lines; submarine cable
Ligne de transport d'énergie; lignes multiples; câble sous-marin

Pipeline: oil; natural gas
Pipeline : pétrole; gaz naturel

Pipeline: multi-use; control valve; multiple lines
Pipeline : utilisation multiple; valve de contrôle; lignes multiples

Pipeline underground: oil; natural gas; multi-use
Pipeline souterrain : pétrole; gaz naturel; utilisation multiple

Mine; pit; sand, gravel, clay; quarry
Mine; sablière, gravière, glaisière; carrière

Airport or airfield: official; nonofficial; heliport
Aéroport ou terrain d'aviation : officiel; non officiel; héliport

Chimney: industrial, flare stack, burner; height; lumberyard
Cheminée : industrielle, torche, brûleur; hauteur; parc à bois débités

Tank; water tank; radar antenna, radio telescope
Citerne; citerne d'eau; antenne radar, radiotélescope

Silo; grain elevator; clearance tower
Silo; élévateur à grains; tour de dégagement

Electric facility; oil or natural gas facility; wind-operated device
Installation électrique; installation pétrolière ou gazière; éolienne

Tower: communication; fire; control
Tour : communication; incendie; contrôle

Domestic waste; liquid waste; industrial solid depot
Déchet domestique; déchet liquide; dépôt de solide industriel

Lookout; historic site; ruins; zoo
Belvédère; lieu historique; ruines; zoo

Golf course; campground; ski area; sportsplex
Terrain de golf; terrain de camping; station de ski; centre sportif

Aerial cableway, ski lift; sports track; arena
Téléphérique, remonte-pente; piste de course; aréna

Building; unidentified buildings; religious; educational; cabin
Bâtiment : bâtiments non identifiés; religieux; d'enseignement; cabine

Hospital; medical centre; senior citizens home; lodging
Hôpital; centre médical; résidence pour personnes âgées; gîte

City hall; municipal hall; community centre
Hôtel de ville; salle municipale; centre communautaire

Customs post; ranger or warden station; cemetery
Poste de douane; poste de garde forestier ou poste de garde de parc; cimetière

Court house; correctional institute
Palais de justice; établissement correctionnel

Fire station; police station; armoury
Caserne de pompiers; poste de police; manège militaire

Waterbody or shoreline; watercourse; disappearing stream
Plan d'eau ou littoral; cours d'eau; cours d'eau disparaissant

Navigation light; ferry route; navigation beacon
Feu de navigation; traverse; balise de navigation

Coast Guard station; seaplane anchorage; marina
Station de la garde côtière; mouillage d'hydravions; marina

Fish ladder; dam; small; large; carrying road
Échelle à poissons; barrage : petit; grand; portant une route

Dyke or seawall; wharf; breakwater
Digue ou mur de protection; quai; brise-lames

Boat ramp; pier or dock
Rampe de mise à l'eau; jetée

Drydock; slip; crib or abandoned bridge pier; ford
Cale sèche; cale; caisson ou pilier de pont abandonné; gué

Conduit; lock; spring
Canalisation; écluse; source

Reservoir; underground reservoir; fish pound
Réservoir; réservoir souterrain; viviers dans l'eau

Dry river bed; sand in water, foreshore flats; intermittent lake, slough
Lit de rivière à sec; sable dans l'eau, estrans; lac intermittent, bourbier

Rapids; falls
Rapides; chutes

Rocky ledge; rocky reef; rocks in water; exposed shipwreck
Barre rocheuse; récif; rochers dans l'eau; épave émergée

Moraine; glacial debris; permanent snow and ice
Moraine; débris glaciaires; neige et glace permanentes

Wetlands: marsh, muskeg; swamp; marsh in water; string bog
Terres humides : marais, muskeg; marécage; marais dans l'eau; tourbière réticulée

Tundra ponds; tundra polygons; palsa bog
Étangs de toundra; polygones de toundra; tourbière à palse

Sand; esker; pingo; wooded area
Sable; esker; pingo; région boisée

Contour: index; intermediate; approximate
Courbe de niveau : maîtresse; intermédaire; approximate

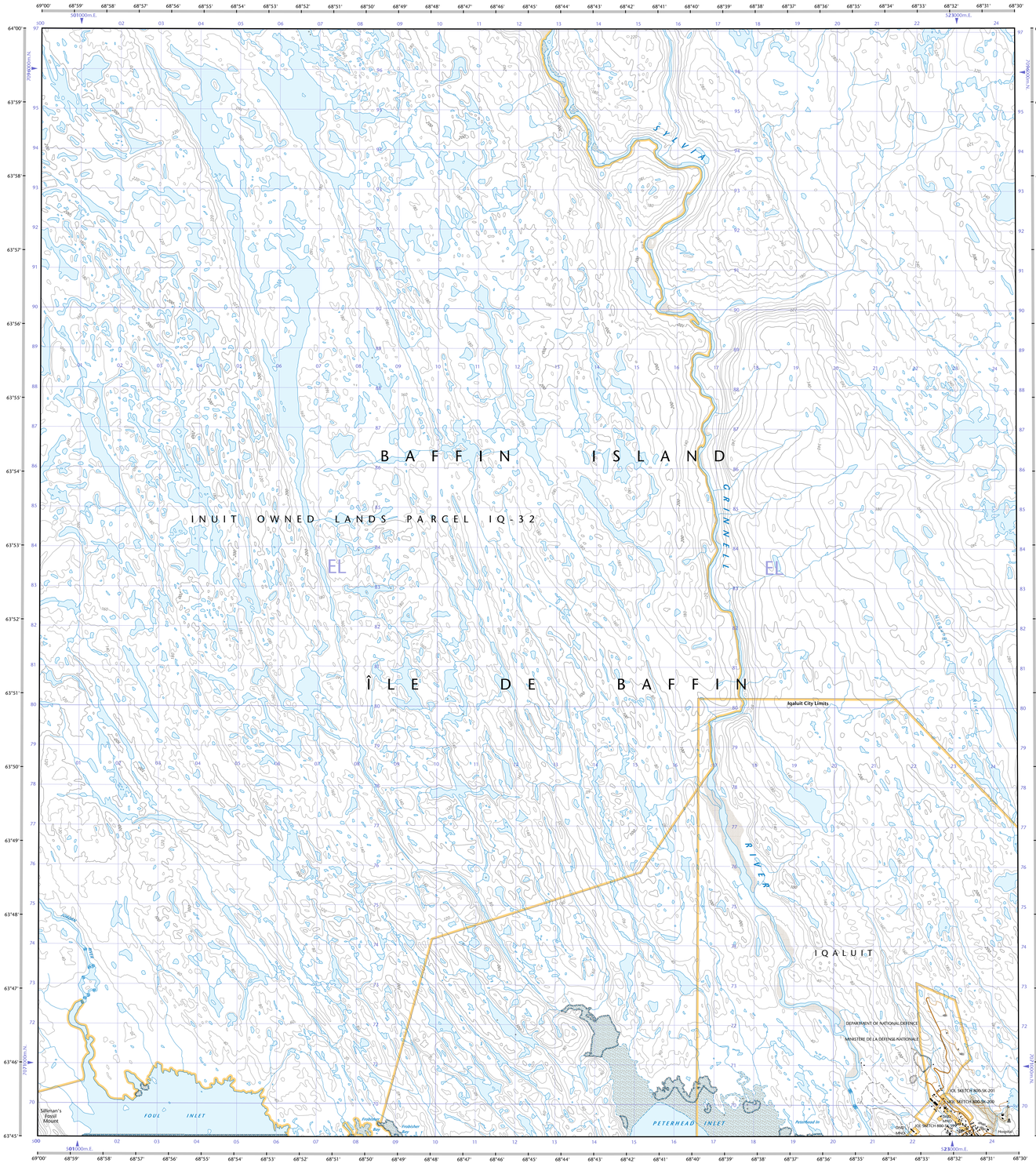
Depression contour; spot elevation; cave
Courbe de cuvette; point coté; caverne

25-N/15 SCALE ÉCHELLE 1:50 000 EDITION ÉDITION 03

IQALUIT

Nunavut

64°15'			
64°00'	26-C/3	26-C/2	26-C/1
	25-N/14	25-N/15	25-N/16
63°45'			
63°30'	25-N/11	25-N/10	25-N/9
	69°30'	69°00'	68°30'	68°00'



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Map content validity dates
- Road network, 1962 - 2010
- Hydrographic network, 2002
- Vegetation, Absent
- Buildings, 1962
- Boundaries, 2009 - 2010
- Toponymy, 2004 - 2010

Detailed metadata can be found at: http://GeoGratis.gc.ca

For corrections, additions or comments concerning the content of this map, please contact Natural Resources Canada at: *topo.maps@NRCan.gc.ca*
Visit our Web site: *http://maps.NRCan.gc.ca*

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Dates de validité du contenu de la carte
- Réseau routier, 1962 - 2010
- Réseau hydrographique, 2002
- Végétation, Absent
- Bâtiments, 1962
- Limites, 2009 - 2010
- Toponymie, 2004 - 2010

Consultez les métadonnées détaillées sur : http://GeoGratis.gc.ca

Pour toutes corrections, additions ou commentaires concernant le contenu de cette carte, veuillez contacter Ressources naturelles Canada par courrier électronique à : *cartes.topo@RNCan.gc.ca*
Visitez notre site Web : *http://cartes.RNCan.gc.ca*

Cette carte ne doit pas être utilisée pour la navigation aérienne ou maritime.

IQALUIT
Nunavut

1 0 1 2 3 4 Kilometres Kilometres
1 0 1 2 3 Miles Milles

Scale 1:50 000 Échelle

1 centimetre on the map represents 500 metres on the ground
Contour Interval: 20 metres
Elevations in metres above Mean Sea Level

1 centimètre sur la carte représente 500 mètres au sol
Équidistance des courbes : 20 mètres
Altitudes en mètres au-dessus du niveau moyen de la mer

Use diagram only to obtain numeric values
Approximate Mean Declination 2010
for centre of map
Annual change decreasing 27.9'

N'utiliser le diagramme que pour obtenir les valeurs numériques
Déclinaison moyenne approximative au centre de la carte en 2010
Variation annuelle décroissante 27.9'

For magnetic declination information, visit: *http://gsc.NRCan.gc.ca/geomag*
Pour information sur la déclinaison magnétique, visitez : *http://gsc.RNCan.gc.ca/geomag*

30°53' (3.39 mils)
0°13' (4 mils)
Grid North/Nord du quadrillage
Magnetic North/Nord magnétique

100 000 metre Square Identification
Identification du carré de 100 000 mètres

EL

Transverse Mercator Projection
Projection transverse de Mercator
North American Datum 1983
Système de référence nord-américain 1983

1000 metre Universal Transverse Mercator Grid
Zone 19
Quadrillage universel transverse de Mercator de 1000 mètres

Grid Zone Designation
19V
Désignation de la zone du quadrillage

A tutorial on how to estimate position from the UTM grid can be found at: *http://maps.NRCan.gc.ca/topo101*
Consultez le tutoriel sur la manière d'évaluer la position à partir de la grille UTM sur : *http://cartes.RNCan.gc.ca/topo101*

64°15'			
64°00'	26-C/3	26-C/2	26-C/1
	25-N/14	25-N/15	25-N/16
63°45'			
63°30'	25-N/11	25-N/10	25-N/9
	69°30'	69°00'	68°30'	68°00'

25-N/15
SCALE ÉCHELLE **1:50 000**
EDITION ÉDITION **03**
VERSION **00**
SERIES SÉRIE **A713**

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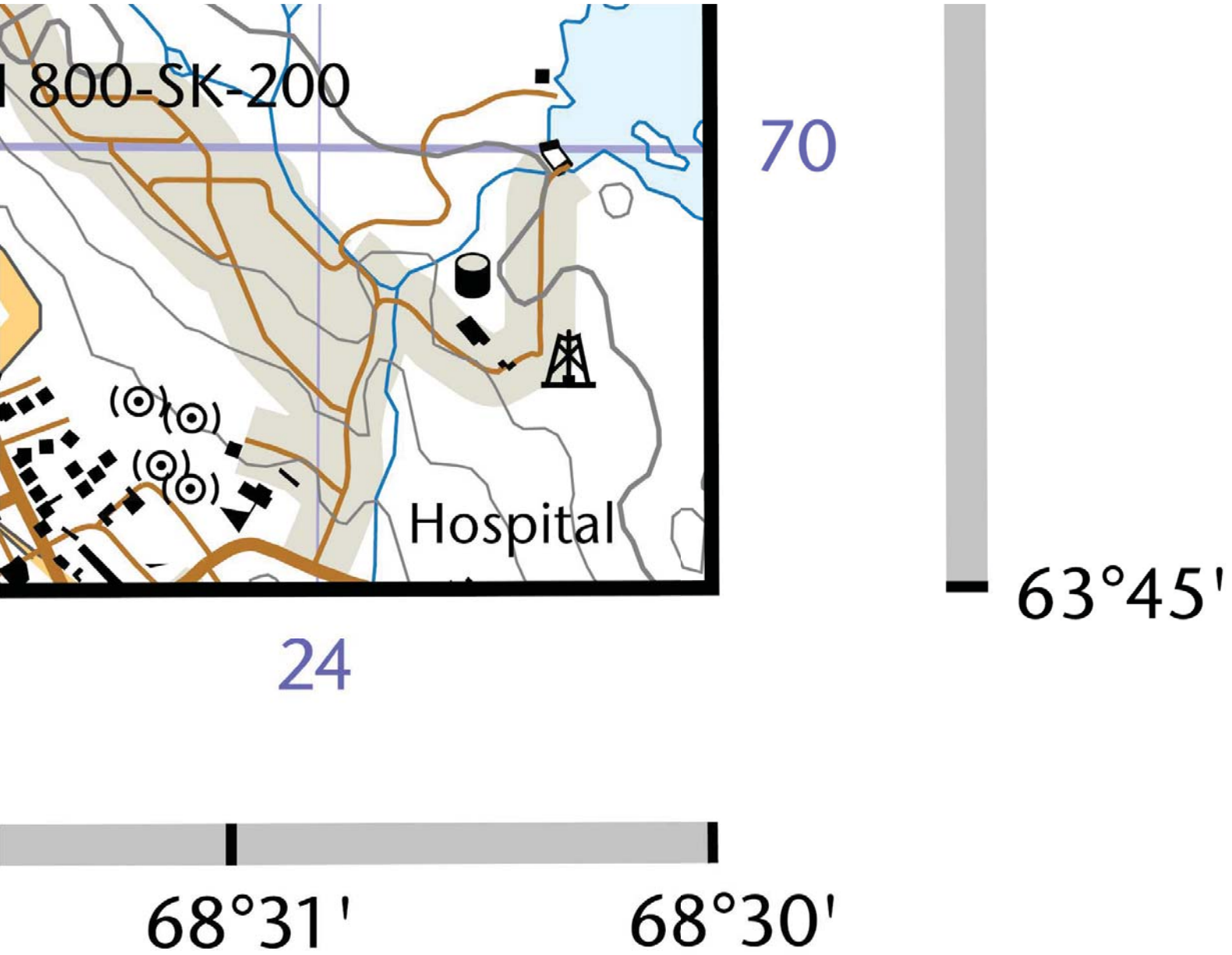
800-SK-200
70
Hospital
63°45'
24
68°31'
68°30'

303 - QEC Iqaluit Fuel Storage Tank - Water License Application

APPENDIX A - Map of Project Undertaking

Inukshuk Construction Ltd.
P.O. Box 654
Rankin Inlet, Nunavut
X0C 0G0

Tel: (867) 645-4030
Fax: (867) 645-4030

Project Description for Fuel Tank Hydrostatic Testing General Water License

Inukshuk Construction Ltd. has been awarded a contract by the Qulliq Energy Corporation (QEC) to upgrade the fuel storage capacity at the Iqaluit Power Plant.

Part of the contract consists of constructing a new 5700cum Fuel Storage Tank which will require hydrostatic testing before it can be commissioned for use.

The newly constructed 5700cum tank will be filled with water for the purpose of checking the integrity of the weld joints. The water will be pumped from a nearby nearby lake as shown in the map and drawing also attached with this application. A centrifugal water pump and hose will be used to pump the water. The tank will be filled at a rate of 299cum/day.

The water will remain in the tank for at least 24 hours once the tank is filled to be able to detect any leakage. After the inspection of all weld joints confirms that there is no leakage, the water will be returned to the source via a hose.

We expect to build the tank from June – August 2018 and begin testing the tank mid-August 2018.

Jacob Saunders
Technical Coordinator
Inukshuk Construction Limited

Prepared By:
Jacob Saunders
(902) 429 0272
Jacob_saunders@inukshukconstruction.ca

Inukshuk Construction Ltd.
1869 Upper Water St.
Suite AH 202
Halifax, NS B3J 1S9

NWB Water License Application

Project 303 – QEC Iqaluit Bulk Fuel Storage Upgrade

Executive Summary

This application is for a water license to perform hydrostatic testing on a new Field Erected Fuel Storage Tank to be constructed at the QEC Power Plant in Iqaluit. There is an existing Fuel Storage Tank Farm at the plant, this project is to expand the capacity of that Tank Farm by constructing a new single tank with a capacity of 5,700m^3. The location of the new tank shall be approximately 63°45'17.2"N 68°30'24.7"W.

The hydrostatic testing will consist of filling the tank at a rate of 299m^3 / day for a total of 5,700m^3 of water. The intended source of the water shall be a nearby lake adjacent to the Anuri Road sub-division, South-East of the Iqaluit Power Plant. On completion of the test, the water shall be discharge back to the original source via a hose. See “Appendix A – Map of Project Undertaking” for more details on the location of the source lake and discharge area. Should the primary source lake (near Anuri Rd. Sub Division) not have sufficient water to supply the entire 5,700m^3 of water, ICL has proposed two additional standby lakes to the North West of the Power Plant as potential supplementary water sources.

The tank will be clean prior to filling and will contain no contaminants, the anticipated “waste water” will be clean and have only contacted steel. The purpose of the testing is to inspect the soundness of all welds and joints in the tank. If a leak is detected the tank will need to be emptied, the affected area repaired, and the testing will need to recommence.

The tentative schedule for the project has the tank’s construction being completed by late August 2018, with hydrostatic testing beginning late August / early September. Provided there are no leaks detected the testing should take 21 days.

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ᐱᓕᕆᐊᒧᑦ Project 303 – ᐃᑲᓚᖏᑎᓕᕆᔨᖅᑯᑦ ᐃᖃᓗᐃᑦ ᐅᖏᓂᖃᐅᑎᖅᑯᐊᐃᓐ

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Ċᕆᓇ ᐱᓇᓂᑎ ᐃᒥᖏᒧᑦ ᐱᔪᓐᓇᐅᑎᒧᑦ ᖃᐅᔨᓴᖅᑭᒪᓕᑕ ᐃᖏᑐᓂᖅᑐᓂᖅ ᓄᑕᒥᖅ ᓴᓇᔭᐅᓴᖏᖏᑎᒥᖅ ᐅᖏᓂᖃᐅᑎᖅᑯᐊᐃᖅ ᐃᑲᓚᖏᑎᓕᕆᔨᖅᑯᑦ ᐃᖃᓗᖅᓂ. ᐱᑕᖃᖏᕐᕕᒋᔭᖏᑦ ᐅᖏᓂᖃᐅᑎᖅᑯᐊᖅᓂ ᐃᑲᓂᕐᐅᐅᔪᖏᑦ ᐃᑲᓕ,ᖃᑎᖃᖏᕐᐊᖅᒪᑦ, Ċᕆᓇ ᐱᓕᕆᐊᖓᔪᖏᑦ ᐊᖏᑎᓕᓂᕐᓴᐊᖏᑦ ᐅᖏᓂᖃᐅᑎᒋᖏᓂᓕᕆᓚᑦᑕ ᓴᓇᔪᖏᖏᓐᓂᓂ ᓄᑕᒥᖅ ᐅᖏᓂᖃᐅᑎᖅᑯᐊᖅᑎᒥᖅ ᐃᒪᒥᑭᓇᖏᑎᑎᓂᓂ 5,700m^3. ᐃᓂᒥᓂᐊᖏᑕᖓᓚ ᓄᒋᖏᑦ ᐅᖏᓂᖃᐅᑎᖅᑯᐊᖅᑯᑦ ᐅᓐᓂᓂ ᓄᓇᖓᐊᖅᑯᑦ 63°45'17.2"N 68°30'24.7"W.

ᐃᖏᖓᓂᖓᓂᖅᑯᑦ ᖃᐅᔨᓴᖏᓂᖃᖅ ᐃᒪᒥᖏᔪᖏᑕᐅᓗᓂ ᐃᒪᓕᓇᑎᒥ 299m^3 /ᐅᓪᓗᖏᓪᓗᑦ ᑲᑎᓪᓗᑦ ᑲᒪᖏᑦ ᐃᒪᖏᑐᑎᒥᓪᓗᓂ 5,700m^3 ᐃᒥᖏᒥᖅ. ᐃᒥᖏᑕᖏᓂᐊᖏᑐᑦ ᑕᔪᖏᖅ ᖃᓂᒋᖓᖓᓂᑦ ᐊᓇᓗ ᐊᖏᖏᔪᑎ, ᓂᒋᐊᓂ–ᑲᓇᓱᖓᓂ ᐃᖃᓗᐃᑦ ᐃᑲᓚᖏᑎᓕᕆᔨᖅᑯᖓᓂ. ᖃᐅᔨᓴᖏᑕᐅᓴᕐᓂᓂ, ᐃᒥᖃ ᔪᐃᑎᑕᐅᓂᐊᖏᖏᑎᖃ ᐃᒪᐃᓴᐃᐃᐅᓪᓚᐅᖏᖏᑎᒪᑦ ᓱᓪᓂᓪᓕᒪᑦ. ᑕᔪᓂᒍ ᑎᑎᕆᔨᓪᓚᑦ “Appendix A – ᓄᓇᖓᐊᖃ ᐱᓕᕆᐊᖓᓂᐊᖏᖏᑎᖃ ᓴᓇᔭᐅᓂᐊᖏᖏᑎᖃ” ᐃᓂᓕᖅᑭᓂᓂ ᖃᐅᔨᓴᖅᑲᓂᓂᕈᒪᒍᐃᓐᑦ ᓇᑭᑦ ᐃᒥᖏᒥᖅ ᐱᓂᓂᐊᖏᖏᑎᖏᓐᓄᑦ.

ᐅᖏᓂᖃᐅᑎᖅᑯᐊᖅ ᓴᓂᓚᖏᑕᐅᓂᐊᖏᖏᑎᖃ ᐃᒪᒥᖏᑕᐅᖅᑭᓂᓂᖓᓂ ᐊᓚᒪᓂ ᓱᑐᖏᓇᖏᖏᑎᖃᓂᖏᖏᑎᖃ, “ᑯᐃᑎᑕᐅᓴᖃ ᐃᒥᖃ” ᓴᓂᒪᓂᐊᖏᖏᑎᖃ ᓴᐃᕐᖃᓴᒍᐊᖏ ᐊᐅᑐᖏᓂᓂᓂᖅᑯᐊᖏ ᖃᐅᔨᓴᖅᑕᐅᖅᑲᓂᓂᓂᓂᓂ. ᐃᖏᖓᓂᖏᖏᑎᖃ ᐊᐅᖃᓕᓂᖓᓂ ᐊᐅᖃᓕᑕᐅᖅᑲᓂᓂᓂᓂᓂ ᖃᐅᔨᓴᖅᑕᐅᖅᑲᓂᓂᓂᓂ.

ᐅᓪᓗᖓᑦ ᐱᓚᒪᓕᕆᔨᖅᑯᑦ ᓴᓇᔪᖏᑦ ᐃᓕᓴᐃᓂᖅᑲᓂᓂᓂᓂ 2018, cspn3bso3lil ᐊᐃᑉy ᓄᖏᔭᕆᐊᓂ/ᓱᑎᐱᓗ ᐱᒋᐊᖏᓂᖓᓂ. ᐃᖏᖓᑭᑐᑐᐊᖏᑦ 21–ᓄᑦ ᐅᓪᓗᓄᑦ ᖃᐅᔨᓴᖅᑕᐅᓂᐊᖏᖏᑎᖃ.