

821094 - Igaluit Water License 3AM-IQA1626 - Deployment of GN MWTP Notification

Assol Kubeisinova <assol.kubeisinova@nwb-oen.ca>

To: "Collins, Sarah" <SCollins@gov.nu.ca>

Sun, Oct 31, 2021 at 1:01 PM

Cc: "Deronja, Josip" <Josip.Deronja@colliersprojectleaders.com>, Amy Elgersma <a.elgersma@iqaluit.ca>, Shane Turner <S.Turner@iqaluit.ca>, Cameron McDonald <C.McDonald@iqaluit.ca>, "Clow, Paul" <PClow@gov.nu.ca>, "Currie, Paul" <PCurrie@gov.nu.ca>, Licensing Department licensing@nwb-oen.ca>. Teresa Meadows <tmeadows@meadowslaw.ca>

Good afternoon:

Thank you. Sarah's email from today will suffice; no need to update the memo. However, could you please provide an updated P&ID that reflects the setup (with a storage tank for backwash collection and chemical injection upstream of the strainers removed).

We will also wait for the details on the road construction as discussed.

Best regards,



Assol Kubeisinova- ついてはいるはい

Piluagnagtuliginigmun Ikayugti

NUNAVUT WATER BOARD - OFFICE DES EAUX DU NUNAVUT

www.nwb-oen.ca

P.O. Box 119 Gjoa Haven, NU X0B 1J0 C.P. 119 Gjoa Haven, NU X0B 1J0

1175 SE ASU OLI 810X 3000,000,000

Titigaqaqvia 119 Ughiqting, NU, X0B 1J0

Tel / Téléphone / y?/s]b / Hivayauta: (867) 360-6338 | Fax / Télécopieur / hvJ4f5 / Fax-kut: (867) 360-6369 Toll Free / Sans / < P56 PCD56 / Akiittug: 1-855-521-3745

WARNING - This communication, including any attachments contains confidential information intended only for the addressee(s) noted above. Any unauthorized distribution, copying, or disclosure is strictly prohibited. If you have received this by mistake, please notify the sender immediately and delete this message without printing or copying it. Thank you.

AVIS DE CONFIDENTIALITÉ - Ce message, et toute(s) pièce(s) jointe(s) est confidentiel et est à l'usage exclusif du(es) destinataire(s) ci-dessus. Toute autre personne est par la présente avisée qu'il lui est strictement interdit de le diffuser, le distribuer ou le reproduire. Si le destinstaire ne peut être joint ou vous est inconnu, veuillez informer l'expéditeur par courrier électronique immédiatement et détruire ce message et toute copie de celui-ci. Merci pour votre collaboration.



📤 Merci de penser à l'environnement avant d'imprimer ce courriel / Thank you for thinking of the environment before printing this email

On Sun, Oct 31, 2021 at 8:12 AM Collins, Sarah <SCollins@gov.nu.ca> wrote: Good morning,

As described in the memo regarding operations, there are no chemicals added prior to the strainers or for the backwash in this application. I can ask the consultant to explain better in the memo the purpose for the chemical injection points that are shown upstream of the strainers they are optional, to be used when this water treatment plant is deployed on seawater to treat the water prior to our RO treatment system. For this freshwater source, the only chemical addition is chlorine, downstream of filtration. There will not be any coagulant used at all in this application.

The way we could avoid discharge of the raw water back into the lake would be to connect a heated storage tank, which would then require pump out by sewage truck and discharge at the WWTP. I will request a schematic from the consultant, if this is required.

Thanks,

Sarah Collins

Get Outlook for Android

From: Assol Kubeisinova <assol.kubeisinova@nwb-oen.ca>

Sent: Saturday, October 30, 2021, 4:02 p.m.

To: Deronja, Josip; Collins, Sarah

Cc: Amy Elgersma; Shane Turner; Cameron McDonald; Clow, Paul; Currie, Paul; Licensing Department; Teresa Meadows

Subject: Re: 821094 - Igaluit Water License 3AM-IQA1626 - Deployment of GN MWTP Notification

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hello Josip and Sarah,

Thank you for providing the initial response. The NWB is looking forward to receiving further info.

In regards to backwash discharge, I would appreciate it if you confirm whether it is possible to avoid discharge to Lake Geraldine. From the P&ID, it appears that there is a risk of coagulant and chlorine being discharged within the backwash waste.

Best regards,



Assol Kubeisinova- 45° dAALA

Technical Advisor - Conseiller technique 124% 250-050 Abt 16-Piluagnagtuliginigmun Ikayugti

NUNAVUT WATER BOARD - OFFICE DES EAUX DU NUNAVUT ᠘᠘᠆ᠬᢣᡕ᠙᠐᠘ᢣ᠘᠆᠕ᠬ᠕ᡐᡘᠬ᠋᠓ᠳ᠘ᠨ᠘᠘᠘᠘᠘

www.nwb-oen.ca

P.O. Box 119 Gjoa Haven, NU X0B 1J0 C.P. 119 Gjoa Haven, NU X0B 1J0

775 TO 8 10 A 10 D87838,0090 XOB 1JO

Titigaqaqvia 119 Ughiqting, NU, X0B 1J0

Tel / Téléphone / y?/s]b / Hivayauta: (867) 360-6338 | Fax / Télécopieur / hvJ4f5 / Fax-kut: (867) 360-6369

WARNING - This communication, including any attachments contains confidential information intended only for the addressee(s) noted above. Any unauthorized distribution, copying, or disclosure is strictly prohibited. If you have received this by mistake, please notify the sender immediately and delete this message without printing or

AVIS DE CONFIDENTIALITÉ - Ce message, et toute(s) pièce(s) jointe(s) est confidentiel et est à l'usage exclusif du(es) destinataire(s) ci-dessus. Toute autre personne est par la présente avisée qu'il lui est strictement interdit de le diffuser, le distribuer ou le reproduire. Si le destinataire ne peut être joint ou vous est inconnu, veuillez informer Pexpéditeur par courrier électronique immédiatement et détruire ce message et toute copie de celui-ci. Merci pour votre collaboration.

Ameri de penser à l'environnement avant d'imprimer ce courriel / Thank you for thinking of the environment before printing this email

On Sat, Oct 30, 2021 at 5:51 AM Deronja, Josip < Josip. Deronja@colliersprojectleaders.com> wrote: Hi Assol:

Please see below response from the GN.

Regards,

Josip Deronja P.Eng. Senior Project Manager COLLIERS PROJECT LEADERS Mobile 613.710.0498

Sent from my mobile device

Begin forwarded message:

From: "Collins, Sarah" <SCollins@gov.nu.ca> Date: October 29, 2021 at 8:22:06 PM EDT

To: "Deronja, Josip" < Josip. Deronja@colliersprojectleaders.com>

Cc: "Clow, Paul" < PClow@gov.nu.ca >, "Currie, Paul" < PCurrie@gov.nu.ca >, Amy Elgersma < a.elgersma@iqaluit.ca >,

Cameron McDonald < C.McDonald@igaluit.ca>, Shane Turner < S.Turner@igaluit.ca>

Subject: RE: 821094 - Igaluit Water License 3AM-IQA1626 - Deployment of GN MWTP Notification

Hi Josip,

Please see below responses.

1. The GN is working to mobilize the MWTP to the site as quickly as possible to alleviate the reliance on bottled water within the City of Iqaluit for access to safe, potable drinking water. Based on current estimates, this facility is anticipated to be commissioned between November 3-5th.

- 2. The road is being constructed in order to facilitate water delivery trucks travelling to the Mobile Water Treatment Plant safely. Significant concern was expressed regarding the configuration of the existing road and the safety of both the drivers as well as the raw water transmission pipeline. The extension of the road between the two existing sections of roads will improve safety and protect the raw water transmission line that supplies the City's water system. The road is not anticipated to disrupt any flow paths. I will request further details from the contractor, to be provided when received.
- 3. The backwash volume of up to 6 m3/day for 24 hours of operation (For this application the mobile water treatment plant is only anticipated to operator for approximately 10 hours/day, depending on delivery schedule, which would be closer to 2.5 m3). This is raw water used to spray the strainers, which may accumulate debris directly from the lake. This is raw lake water and some small amounts of sediment also directly from the lake. This type of backwash is of the same composition as the lake and is minimal volume.
- 4. I will ask for stamped drawings. These do appear to be the correct P&ID, with the incorrect title block.

Let me know if there are	further questions.	I will share a	dditional info	ormation as i	received.

Thanks,

Sarah

From: Deronja, Josip <Josip.Deronja@colliersprojectleaders.com>

Sent: October 29, 2021 7:15 PM

To: Collins, Sarah <SCollins@GOV.NU.CA>

Cc: Clow, Paul <PClow@GOV.NU.CA>; Currie, Paul <PCurrie@GOV.NU.CA>; 'Amy Elgersma' <a.elgersma@iqaluit.ca>;

'Cameron McDonald' < C.McDonald@iqaluit.ca>; 'Shane Turner' < S.Turner@iqaluit.ca>

Subject: FW: 821094 - Igaluit Water License 3AM-IQA1626 - Deployment of GN MWTP Notification

Importance: High

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Good evening Sarah:

Please see response from NWB regarding the information you had provided for the GN's MWTP project. Would you be able to review and provide comments?

Thanks.

Josip Deronja P.Eng.

Senior Project Manager

Colliers Project Leaders

Mobile 613.710.0498

From: Assol Kubeisinova <assol.kubeisinova@nwb-oen.ca>

Sent: Friday, October 29, 2021 6:02 PM

To: Deronja, Josip < Josip. Deronja@colliersprojectleaders.com>

Cc: Licensing Department licensing@nwb-oen.ca; Amy Elgersma <a.elgersma@iqaluit.ca; Shane Turner

<S.Turner@iqaluit.ca>; Cameron McDonald <C.McDonald@iqaluit.ca>; Rak-Banville, Justin

<Justin.Rak.Banville@wsp.com>; Mearns, Jamesie <JMearns@gov.nu.ca>; Clow, Paul <PClow@gov.nu.ca>; Seeley, Kyle <KSeeley@gov.nu.ca>; SCOTT.PURCELL@forces.gc.ca; Dewar, Spencer (AADNC/AANDC) <spencer.dewar@canada.ca>;

Allain, Erik (AADNC/AANDC) <erik.allain@canada.ca>; Currie, Paul <PCurrie@gov.nu.ca>

Subject: Re: 821094 - Iqaluit Water License 3AM-IQA1626 - Deployment of GN MWTP Notification

Hi Josip,

Could you please advise on the timeline for this water treatment plant (move-in, RU, PT).

Do I understand correctly that the City proposes to construct a new road (submitted photo "Road and Site Improvements Legend")? Can you provide more information (length, any water management structures for it, is it engineered, is it permanent, etc.).

Is there an option to treat backwash at the wastewater treatment plant to avoid discharge to Lake Geraldine?

The P&ID is entitled "Arviat Water Treatment Package" and is missing an Engineer's stamp/signature. Is this the correct document?

Will you be available in case any questions arise over the weekend?

Best regards,

Assol



Assol Kubeisinova- ついてはいるはい

Piluagnagtuliginigmun Ikayugti

NUNAVUT WATER BOARD - OFFICE DES EAUX DU NUNAVUT

www.nwb-oen.ca

P.O. Box 119 Gjoa Haven, NU X0B 1J0 C.P. 119 Gjoa Haven, NU X0B 1J0

775 SE AS Day 300, 000 XOB 1JO Titigaqaqvia 119 Ughiiqtiniq, NU, X0B 1J0

Tel / Téléphone / y?/s]b / Hivayauta: (867) 360-6338 | Fax / Télécopieur / hvJ4f5 / Fax-kut: (867) 360-6369

WARNING - This communication, including any attachments contains confidential information intended only for the addressee(s) noted above. Any unauthorized distribution, copying, or disclosure is strictly prohibited. If you have received this by mistake, please notify the sender immediately and delete this message without printing or copying it. Thank you.

AVIS DE CONFIDENTIALITÉ - Ce message, et toute(s) pièce(s) jointe(s) est confidentiel et est à l'usage exclusif du(es) destinataire(s) ci-dessus. Toute autre personne est par la présente avisée qu'il lui est strictement interdit de le diffuser, le distribuer ou le reproduire. Si le destinataire ne peut être joint ou vous est inconnu, veuillez informer l'expéditeur par courrier électronique immédiatement et détruire ce message et toute copie de celui-ci. Merci pour votre collaboration.



📤 Merci de penser à l'environnement avant d'imprimer ce courriel / Thank you for thinking of the environment before printing this email

On Fri, Oct 29, 2021 at 2:49 PM Deronja, Josip Josip <a href="mailto

Hi Assol:

I understand that the NWB will be taking the City's request regarding the CAF ROWPU to panel for review today. We received information regarding the Government of Nunavut's (GN) Mobile Water Treatment Plant (MWTP) today - i.e. the second Modification request. As such, please consider this email as notification to the NWB regarding the planned deployment of the MWTP, which is being managed and overseen by the GN. As per Part G item 1 of the Licence (3AM-IQA1626), the City is required to notify the NWB of this modification under the Licence. I have provided a link below, which will provide access to information pertaining to the project for reference purposes.

Link - https://colliers.sendthisfile.com/LJJNKLZWXYgDb2fHH4rkkkh5

If you have any questions please let me know.

Regards,

Josip Deronja P.Eng.

Senior Project Manager

Colliers Project Leaders

Mobile 613.710.0498

From: Deronja, Josip

Sent: Friday, October 29, 2021 8:56 AM

To: Assol Kubeisinova <assol.kubeisinova@nwb-oen.ca>

Cc: Licensing Department < licensing@nwb-oen.ca>; Amy Elgersma < a.elgersma@iqaluit.ca>; Shane Turner

<S.Turner@igaluit.ca>; Cameron McDonald <C.McDonald@igaluit.ca>; Rak-Banville, Justin

<Justin.Rak.Banville@wsp.com>; Mearns, Jamesie <JMearns@gov.nu.ca>; Clow, Paul <PClow@gov.nu.ca>; Seeley,

Kyle <KSeeley@gov.nu.ca>; SCOTT.PURCELL@forces.gc.ca; kgillard@nirb.ca

Subject: RE: 821094 - Igaluit Water License 3AM-IQA1626 - Deployment of ROWPU Notification

Importance: High

Good morning Assol:

As discussed yesterday evening, the City will proceed with these activities as a Modification as per Part G Item 1 of the Licence.

As further discussed, given the emergency declaration by the Minister of Community and Government Services (CGS) on October 13, 2021, the City is seeking to expedite the review of this modification request under Section 152 (1) of the Nunavut Planning and Project Assessment Act (NuPA) – I understand this would bypass the NPC conformity determination and NIRB's screening decision. Although the initial emergency declaration has expired, I understand that the Minister of CGS had extended the emergency declaration on October 28th until November 9th. See link to official press release.

Please confirm at your earliest convenience whether the City's request for modification may be processed under the conditions noted above.

If you have any further questions please let me know.

Kind regards,

Josip Deronja P.Eng.

Senior Project Manager

Colliers Project Leaders

Mobile 613.710.0498

From: Assol Kubeisinova <assol.kubeisinova@nwb-oen.ca>

Sent: Thursday, October 28, 2021 5:15 PM

To: Deronja, Josip < Josip. Deronja@colliersprojectleaders.com>

Cc: Licensing Department Licensing@nwb-oen.ca; Amy Elgersma <a.elgersma@iqaluit.ca; Shane Turner

<S.Turner@iqaluit.ca>; Cameron McDonald <C.McDonald@iqaluit.ca>; Rak-Banville, Justin

<Justin.Rak.Banville@wsp.com>; Mearns, Jamesie <JMearns@gov.nu.ca>; Clow, Paul <PClow@gov.nu.ca>; Seeley,

Kyle <KSeeley@gov.nu.ca>; SCOTT.PURCELL@forces.gc.ca

Subject: Re: 821094 - Iqaluit Water License 3AM-IQA1626 - Deployment of ROWPU Notification

Hello Josip,

Thank you for your email.

As discussed during our call on October 25, this activity falls under Licence Part G, Item 1 (Modifications) because it has not yet been authorized under either the Licence or the Emergency Amendment. As advised then, please provide the confirmations from the NPC and the NIRB in accordance with Licence Part G, Item 1(b).

The same will be required to process a modification to authorize the construction and use of the mobile water treatment plant.

As discussed, the Board understands the circumstances and will endeavour to process the modification expeditiously.

Best regards,



Assol Kubeisinova- ついっとはいることはいる

Technical Advisor - Conseiller technique Λ > 4% a.% > C a.σ% JC Δ b<% Ω-Piluagnagtuliginigmun Ikayugti

NUNAVUT WATER BOARD - OFFICE DES EAUX DU NUNAVUT Da≫ LCA> b∩L>° - NUNAVUT IMALIRIYIN KATIMAYINGI

www.nwb-oen.ca

P.O. Box 119 Gjoa Haven, NU X0B 1J0

C.P. 119 Gjoa Haven, NU X0B 1J0 AAS SHE ASI. DB/ 80,000 XOB 1JO

Titigagagyia 119 Ughiqting, NU, X0B 1J0

Tel / Téléphone / y?/s]b / Hivayauta: (867) 360-6338 | Fax / Télécopieur / hvJ4f5 / Fax-kut: (867) 360-6369

WARNING - This communication, including any attachments contains confidential information intended only for the addressee(s) noted above. Any unauthorized distribution, copying, or disclosure is strictly prohibited. If you have received this by mistake, please notify the sender immediately and delete this message without printing or copying it. Thank you.

AVIS DE CONFIDENTIALITÉ - Ce message, et toute(s) pièce(s) jointe(s) est confidentiel et est à l'usage exclusif du(es) destinataire(s) ci-dessus. Toute autre personne est par la présente avisée qu'il lui est strictement interdit de le diffuser, le distribuer ou le reproduire. Si le destinataire ne peut être joint ou vous est inconnu, veuillez informer Pexpéditeur par courrier électronique immédiatement et détruire ce message et toute copie de celui-ci. Merci pour votre collaboration,



🚔 Merci de penser à l'environnement avant d'imprimer ce courriel / Thank you for thinking of the environment before printing this email

On Thu, Oct 28, 2021 at 2:26 PM Deronja, Josip < Josip. Deronja@colliersprojectleaders.com > wrote:

Good afternoon:

On behalf of the City of Igaluit, the City would like to notify the Nunavut Water Board (NWB) regarding the planned deployment of a Reverse Osmosis Water Purification Unit (ROWPU), which is being managed and overseen by the Canadian Armed Forces (CAF) Joint Task Force North (JTFN) division. This comes following a Request-For-Assistance issued by the Government of Nunavut (GN) on October 20, 2021, in response to the on-going water quality emergency.

As per Part F item 1 of the Licence (3AM-IQA1626), the City is required to notify the NWB of construction of any facilities or infrastructure authorized under this Licence. Please consider this email as formal notification of the planned deployment of the CAF ROWPU. I have attached relevant information pertaining to the project for reference purposes.

Please note, the City will be issuing a separate notification related to the planned deployment of a GN mobile water treatment plant (MWTP); however, the City is still awaiting further information from the GN regarding the project. Note, the deployment of the GN MWTP is also in response to the on-going water quality emergency.

Please confirm receipt of this email, along with supporting documentation, at your earlies convenience.

Should you have any questions please do not hesitate to contact me.

Kind regards,

Josip Deronja P.Eng.

Senior Project Manager

COLLIERS PROJECT LEADERS

Mobile 613.710.0498

Suite 700, 150 Isabella Street | Ottawa, ON K1S 1V7 | Canada

colliersprojectleaders.com