



Richard Dwyer <richard.dwyer@nwb-oen.ca>

Amendment: water licence 7BL-AWL2333 for the Arctic Watch Lodge

Nansen Weber <nansen@arcticwatch.ca>

Thu, Jan 25, 2024 at 2:09 PM

To: Richard Dwyer <richard.dwyer@nwb-oen.ca>

Cc: Dad 🦌 <richard@weberarctic.com>

Dear Richard,

The ammendment is about where we keep the grey water tank. In a report by Joseph Monteith on July 11th, it says we need to move the grey water storage at least 31 meters away from the high water mark to follow the rules (Part H).

Right now, and it's always been this way, the grey water tank is within 31 meters of the high water mark. Actually, most of the lodge is within this distance too. Before we owned it, the lodge was built in this spot. The entire lodge relies on a plumbing system that works with gravity. Infact most building, hotels, houses use gravity to redirect grey water.

Here's how it works: When you use water in the kitchen or bathroom and it goes down the sink, gravity helps it flow through pipes into the grey water tank shown in the picture. All the pipes are underground, they resurface below the bank of the lodge. When the water gets to the first tank, any big stuff (organic sink items that made it down the drain), from the sink settles at the bottom. Then, the water goes into a second tank. This tank has a sump pump that pushes the water back up the hill to the lodge level and out to the septic field. So, the grey water tank has to be below the lodge for this to work. There's only one place for it, and that's within the 31 meters.

If the grey water tank was above the 31 meters, it would be higher than the lodge, and water doesn't go uphill. The grey water only has shower water, bathroom sink water, kitchen sink water, laundry, and dishwasher water – no human waste or harmful stuff. We also use eco-friendly soaps in case of a leak, and we try hard to be eco-friendly and keep things clean. In 2021, we upgraded the grey water tanks to make sure they wouldn't overflow. We check the tanks every day, and since we got the new tanks, everything has been working fine – no issues, leaks, or overflows.

Therefore we need amendment to keep the tanks in their current location.

Sincerely,

Nansen

On Jan 24, 2024, at 1:29 PM, Richard Dwyer <richard.dwyer@nwb-oen.ca> wrote:

Good afternoon,

What would the amendment to the water licence be?

Thanks,

Richard



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Ughmnmq, NU, X013 110

Tel / Téléphone / ᐱᐱᐱᐱᐱᐱ / Hivayauta: (867) 360-6338 | Fax / Télécopieur / ᐱᐱᐱᐱᐱᐱ / Fax-kut: (867) 360-6369
Toll Free / Sans / ᐱᐱᐱᐱᐱᐱᐱᐱᐱᐱ / Akiittuq: 1-855-521-3745

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Richard<Email-Signatures-Nansen.gif>

NANSEN WEBER

Logistics Coordinator/ Lead Photographer

+1-250-308-4656

WeberArctic.com

