

AMENDMENT TO PERMIT

Pursuant to the *Water Resources Act*, SNL 2002 cW-4.01, specifically Section(s) 49

Date: **NOVEMBER 02, 2023**

File No: **844.033.003**
Permit No: **WS12644-2022**
Amendment No: **1**

Permit Holder: **Town of St. Joseph's
PO Box 9
St. Joseph's NL A0B 3A0
towncouncilstjosephs@gmail.com**

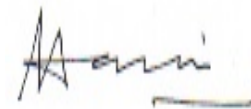
Attention: **Mr. Tony Reardon, Town Clerk**

Re: **St. Joseph's - Boil Water Remediation**

The original Permit dated JULY 22, 2022 is amended as follows:

to allow the installation of an arsenic treatment system and related appurtenances as detailed in drawing 2301710-000-1410-000 Rev. B as received from Allnorth on October 19, 2023; 17-GI-21-00113.

All other terms and conditions of the original Permit will apply and failure to comply with the terms and conditions of this amendment and the original Permit will render this Permit null and void, place the Permit Holder and their agent(s) in violation of the *Water Resources Act* and make the Permit Holder responsible for taking any remedial measures as may be prescribed by this Department.



(for) MINISTER

Water Treatment

1. All drains and vents shall be equipped with screens to prevent the entry of insects, birds and rodents.
2. The ends of drains and overflows shall be located so as to prevent erosion. Where necessary, concrete or similar splash plates shall be located below the end of the overflow, and the immediate surrounding area shall be filled to a depth of 10 cm with 19 mm minus stone to prevent ponding.
3. All components, lubricants and chemicals provided shall be compatible for use with drinking water and shall meet the requirements of ANSI/NSF 60 Drinking Water Treatment Chemical Standard and ANSI/NSF 61 Drinking Water and System Component Standard and any other standard applicable to potable water.
4. A sample tap shall be provided so that water samples can be obtained from the raw water source and from an appropriate location after chlorination. Taps used shall be of the smooth-nosed type without interior or exterior threads and shall not have a screen, aerator or other such appurtenance.
5. The owner shall ensure that all chemicals used in the treatment process and all materials contacting the water are of Food Grade quality and meet both the American Water Works Association (AWWA) quality criteria as set out in AWWA standards and the American National Standards Institute (ANSI) and the National Sanitation Foundation (NSF) safety criteria as set out in ANSI/NSF 60 or ANSI/NSF 61 standards and any other applicable standards.
6. The water treatment plant including all interior and exterior water piping systems, filter media and other receptacles and appurtenances must be disinfected by approved methods such as described in the American Water Works Association Standards, Disinfection of Watermains, C651-99, Disinfection of Water Storage Facilities, C652-92 and Disinfection of Water Treatment Plants C653-87. It should be noted that the filter chambers must be disinfected prior to the placement of filter media and subsequently, the media disinfected as per the above quoted Standards. After final flushing, samples shall be collected and tested for bacteriological quality. The sampling locations shall be determined by the engineer. A copy of the test results shall be submitted to this Department (Water Resources Management Division) before the treatment plant is placed in service.
7. Residuals discharged from the water treatment plant must meet the requirements of the Environmental Control Water and Sewage Regulations, 2003.
8. Appropriate backflow prevention devices meeting or exceeding the CSA 64 Standard shall be installed on all potable water lines where a cross connection may exist or be created, to prevent the possibility of contaminants entering the potable water distribution system due to back-siphonage or back-pressure.

Commissioning and Monitoring

9. This Department must be informed of the date of commission of the drinking water or wastewater treatment system.

- cc: Ms. Deneen Spracklin, P.Eng.
Manager, Drinking Water and Wastewater Section
Water Resources Management Division
Department of Environment and Climate Change
P.O. Box 8700
4th Floor, West Block, Confederation Building
St. John's, NL A1B 4J6
dspracklin@gov.nl.ca
- cc: Richard Harvey, Ph.D., P.Eng.
Program - Lead - Drinking Water, Drinking Water & Wastewater Section
Water Resources Management Division
Department of Environment and Climate Change
RHarvey@gov.nl.ca
- cc: Mr. Terry Battcock
Manager of Operations (Environmental Health)
Digital Government and Service NL
149 Smallwood Drive, Mount Pearl
PO Box 8700
St. John's NL A1B 4J6
tbattcock@gov.nl.ca
- cc: Mr. Inayat Rehman, P.Eng.
Regional Engineer
Department of Transportation and Infrastructure
P.O. Box 8700
St. John's, NL A1B 4J6
inayatrehman@gov.nl.ca