

Updated Plan of Pond Inlet Water Treatment Plant

Rankin Inlet Asset Management Staff (Joe and Steve) are going to Pond Inlet on Saturday May 30, 2020 to attempt to thaw the pipe and complete a temporary repair. Please see below for the information on the planned activities

Use a steam jetter to thaw the 12" carrier pipe and retrieve the broken 4" intake pipe and pump – a non-potable fire hose will be supplying water to the steam jetter, fire hoses may contain traces of lead.

- If the steam jetter is unsuccessful, the non-potable emergency fire water pumps (previously identified as being sent into the community) and hose will be used to circulate water from the reservoir down through the carrier pipe and back into the reservoir to attempt to wear away the ice in the carrier pipe
- In the event that the carrier pipe is able to be thawed, a repair to the broken 4" intake will take place and an attempt to put the water treatment plant back online with a temporary fix.
- The Municipality will continue there normal testing procedures for Chlorine Residual, Bacteriological and Turbidity. During attempted thaw, water will continue to be drawn directly into the water trucks and hand chlorinated as has been occurring.
- During the thawing procedure, the EHO will be notified if turbidity levels increase above 1 NTU. Discussion of enhanced reporting, increasing chlorine levels or increasing bacteriological testing frequency will occur as per the Turbidity Decision Tree.
- If the repair is achieved, the Municipality will complete a full suite of chemical and bacteriological testing and send to a lab.

Below is the list of equipment for the emergency fire pump along with the sites to review the information on the fabrication of the equipment. A PDF on the pump is attached for review as well.

2.5" Discharge hose:

<https://www.firehosedirect.com/White-2-5-x-50-Single-Jacket-Discharge-Hose>

4" Suction hose:

<https://www.firehosedirect.com/Green-4-0-x-20-Thread-/-Thread-Suction-Hose>

4" Strainers:

<https://www.firehosedirect.com/Steel-4-NPT-Long-Thin-Barrel-Strainer>

<https://www.firehosedirect.com/steel-4-npsh-barrel-strainer>

