

# Follow Up Report: #21-016

## January 18<sup>th</sup> 2021,

### 165 m<sup>3</sup> Heat Recovery Water Spill

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The following information refers to a spill reported as due diligence, by Agnico Eagle Mines Ltd. January 18<sup>th</sup> 2020, and is being provided in accordance with:

- the Nunavut Water Board License 2AM-MEL1631 Water License, part H, item 8c
- the Government of Nunavut's, Environmental Protection Act subsection 5.1(a)

#### Description of Incident:

On January 18<sup>th</sup>, at approximately 1:00 pm, an estimated 165 m<sup>3</sup> of heat recovery water was spilled as water was being conveyed via a 16" heat recovery waterline. Equipment was pushing snow near the heat recovery waterline. This action caused the line to break and the water within the line was released. A portion of the water froze on surface, with the remainder migrating below surface.

The water from the line does **not** come in contact with any process of operations and is only used for heat exchange between buildings.

No water bodies were impacted by this spill. The nearest natural water body (B7) is 550 m away. The coordinates of the spill are 63° 1'47.51"N, 92°13'6.96"W (Figure 1).



**Figure 1:** Location of spill 165 m<sup>3</sup> heat recovery water spill in site catchment, east of WRSF 1.

### **Spill Response & Cleanup:**

No clean-up was required as the water was completely contained in the site catchment area and will migrate to CP1 when thawed. The source of the heat recovery water is the Meliadine Lake freshwater intake, which directs the water through the water treatment plant. Water quality is monitored at this licensed compliance monitoring location, Mel-11. Given the source and containment of the water spill, the incident is not expected to have an environmental impact.



**Figure 2:** Snow pushed into heat recovery waterline.



**Figure 3:** Damage to heat recovery waterline.



**Figure 4:** Heat recovery water flowing from east side of WRSF 1 toward CP-1.

### Corrective Measures





The waterline has been disabled until it can be replaced in summer. Energy and Infrastructure (E&I) department will inspect the new line during recommissioning before resuming operations.



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