



Corporation of the Township of Brock

Staff Report to the Members of Council

From: Ben Kester, CET, CRS-s

Position: Interim Director of Public Works

Title / Subject: Salt Concentration in Winter Sand

Date of Meeting: January 1, 2023

Report No: 2025-OP-021

1.0 Issue / Origin

Council requested a report on the concentration of salt in winter sand to see if there was a possibility of increasing the concentration.

2.0 Background

Up to this point in time, the sand salt mix has been 3 percent.

3.0 Analysis

In 2023 the Township spent \$31,080 on salt, in 2024 \$25,023 and so far in 2025, \$27,130. In 2025 salt cost \$107.24 per tonne.

If we average 2023 and 2024 the total is \$28,050 which equates to 261 tonnes.

To avoid having to prepare and report on salt usage every year, and prepare a salt management plan, a Municipality can not use more than 500 tonnes per year.

The Township could increase the salt content to 4.5% and still be under the 500 tonnes of salt limit. This would equate to a total of 391 tonnes of salt on average per year (an increase of 130 tonnes per year).

4.0 Related Policies / Procedures

N/A

5.0 Financial / Budget Assessment

The increase in salt would impact the budget by \$13,941 (130 tonnes x \$107.24 per tonne).

5.1 Asset Management

N/A

6.0 Climate Change Impacts

The increase in salt is a minor increase and is not going to impact the lake in a significant way. The increase may limit the time the sanders spend going back over roads that have not melted off, but this will be weather dependant.

7.0 Communications

N/A

8.0 Conclusion

If Council agrees to increase the salt content, it will allow staff to provide a slightly better level of service than they are currently providing.

9.0 Recommendation

That Council receive report 2025-OP-021 and

That Council endorse using 4.5% salt in winter sand going forward.