



October 18, 2023

**Via: Email**

Mr. Michael O'Donnell  
Associate Land Development Manager  
Mattamy Homes  
6696 Financial Drive  
Mississauga ON L5N 7J6

Dear Mr. O'Donnell:

**Re: Mattamy (Erin) Limited & 2779181 Ontario Inc. Construction Threats  
Management Plan  
Project No.: 300052075.0005**

R.J Burnside & Associates Limited (Burnside) was retained by Mattamy (Erin) Limited and 2779181 Ontario Inc. to complete a hydrogeological study for adjoining properties located at 5552 Eighth Line and 5520 Eighth Line in the Town of Erin (herein referred to as the subject lands). Based on comments received from review agencies Burnside was requested to prepare a fuel management and salt management plan for the construction period. The current document is provided to outline fuel management and salt management techniques that should be applied during construction to minimize the risk of contamination to groundwater in the area of the subject lands.

## **1.0 Fuel Threat Management**

The handling and storage of fuel is considered to be a significant drinking water threat in areas where the vulnerability score is 10. For the subject lands this constitutes areas within the WHPA-A and an area within the WHPA-B. As shown on Figure 2 of the Threats Disclosure Report (Burnside, 2022), the development area is outside of the area with vulnerability score of 10 and no development is expected in these areas. In order to mitigate the threat of fuel spills from storage or handling of fuel during construction, the following is proposed:

- All contractors should be advised of the sensitivity of the subject lands and that fuel should be handled with care. All contractors on site should be made aware of the following protocols:
  - Fuel storage/handling should be restricted to a selected area on the subject land. No fuel storage/handling should take place outside of this area.
  - Fuel storage should be in accordance with industry standards, leak protection should be in place around the storage and handling area.

- Stickers should be placed on the fill pipe with a phone number to call in the event of a spill. The Ministry of the Environment Spill Response Centre number should also be provided on the sticker.
- Only equipment that is certified for use should be included in fuel handling, no uninspected or uncertified equipment should be used.
- Keep equipment clear of obstructions and other potential sources of punctures/cuts.
- If a spill occurs immediate action should be taken to limit further flow and minimize environmental impacts.
- A spill response coordinator should be appointed who will coordinate all responses to the spill and whose number should be provided on the sticker at the fill pipe.

## 2.0 Salt Management

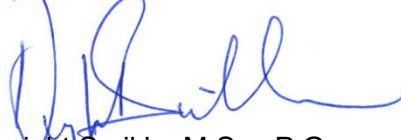
It is assumed that road salt application will occur on roads over the winter months during construction. During the construction period, winter road maintenance may be undertaken on an as needed basis. It is recommended that the following measures be put in place by the builder to safeguard the drinking water supply and minimize the threat from road salt application during construction:

- All contractors should be advised of the sensitivity of the subject lands and advised that proper handling of road salt is required across the subject lands.
- No outdoor storage of road salt in uncovered piles should occur. Road salt should always be covered and contained.
- Any spill of road salt should be cleaned up before the next precipitation event.
- Road salt should be applied in accordance with best practices with concern for minimizing the use of road salt while maximizing the impact of each application.
- If appropriate, a suitably trained contractor should be retained to conduct road maintenance during construction for the entire development area. The contractor should be trained in “Smart about Salt” or similar protocols.
- Road salt contract should be based on a “per season” fee and not a fee per application to reduce the incentives for over application.

Additional information on significant drinking water threats that exist or will exist on the subject lands is provided in the Threats Disclosure and Salt Management Plan Report (Burnside 2022). It is recommended that this letter be read in conjunction with that report.

Yours truly,

### R.J. Burnside & Associates Limited



Dwight Smikle, M.Sc., P.Geo.  
Vice President – Hydrogeology  
DS/SC:cl



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