



Monday, April 08, 2019

Pickering Harbour Company Limited
c/o Harold Hough
591 Liverpool Road
Pickering, ON L1W 1R1

**RE: Nuclear Emergency Evacuation Plan – 591 Liverpool Road,
Pickering, Ontario**

This letter has been prepared as part of the nuclear emergency evacuation plan requirement for the proposed development at 591 Liverpool Road in Pickering, Ontario (**Figure 1**). The letter outlines the available reference documents (website links) as well as a proposed off-site evacuation route to Highway 401 north of the development. It should be noted that a detailed evacuation plan for the building will be determined during the detailed design stage of the study.



Figure 1 Site Location

The Provincial Nuclear Emergency Response Plan (PNERP – 2017)¹ prepared by the Office of the Fire Marshal and Emergency Management in collaboration with the province of Ontario outlines the emergency plan in case of emergencies arising in connection with nuclear facilities in the province of Ontario.

The plan notes that each municipality and nuclear organization is responsible for developing their own emergency implementation plan which in the case relevant to the above-mentioned development is the Regional Municipality of Durham, City of Pickering, and Pickering Nuclear Generating Station.

Durham Nuclear Emergency Response Plan (DNERP)² published 2017 by the Regional Municipality of Durham outlines the overall principles, policies, concepts, organizational structures and responsibilities for preparing for, and responding to, a nuclear emergency in the Region. The Region also notes several safety awareness details on their website³ that residents within 10 kilometers of the nuclear stations (Clarington or Pickering) should be aware of. These details include public alerting (sirens and/or automated telephone system) and directions that the residents will receive such as shelter in place, take KI (Potassium Iodide) pills, and/or evacuate. It is also noted that reception and evacuation centers will also be made available to the residents during such emergencies.

It should be noted that in case of a nuclear emergency, the Province of Ontario followed by the Region will be in charge and City of Pickering, as stated on their website⁴, would be receiving directions from the Region. The City is responsible for implementing protective measures in the 10-kilometre zone around the Pickering Nuclear Generating Station which includes the proposed development at 591 Liverpool Road. Other resources such as Ontario Power Generation's *Preparedness Emergency Awareness Kit* are also made available to the residents.

In case of a nuclear emergency, if evacuation has been ordered by the Region, the most direct possible exit route for vehicles consists of travelling northbound on Liverpool Road and westbound on Highway 401 as shown in **Figure 2** below.

¹ Available at:

<https://www.emergencymanagementontario.ca/sites/default/files/content/emo/docs/PNERP%20Master%20Plan%202017.pdf>

² Available at: [https://www.durham.ca/en/living-](https://www.durham.ca/en/living-here/resources/Documents/EmergencyPreparedness/DurhamNuclearEmergencyResponsePlan.pdf)

[here/resources/Documents/EmergencyPreparedness/DurhamNuclearEmergencyResponsePlan.pdf](https://www.durham.ca/en/living-here/resources/Documents/EmergencyPreparedness/DurhamNuclearEmergencyResponsePlan.pdf)

³ Available at: <https://www.durham.ca/en/living-here/nuclear-preparedness.aspx>

⁴ Available at: <https://www.pickering.ca/en/living/NuclearEmergencies.aspx>



Figure 2 Emergency Exit Route

It should, however, be noted that in case of a nuclear emergency evacuation, OPP and Durham police in collaboration with the Region would be responsible for directing vehicles to the highway and/or emergency shelters⁵, and to ensure Liverpool Road access to Highway 401 will be available.

Yours truly,

HDR Corporation

Carl Wong, P.Eng.
Associate Vice President

⁵ Available at: <https://www.durham.ca/en/living-here/emergency-shelters.aspx>