

**OPG Proprietary**

March 31, 2023

CD# NK054-CORR-00531-10774

**MR. DENIS SAUMURE**  
Commission RegistrarCanadian Nuclear Safety Commission  
280 Slater Street  
Ottawa, ON  
K1P 5S9

Dear Mr. Saumure:

**DNNP – Submission of Package #6a – Construction & Commissioning  
Program Deliverables - in Support of the Licence to Construct  
Application for the CNSC Review**

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- Reference:
1. OPG Letter, M. Knutson to D. Saumure, "Darlington New Nuclear Project – Application for a Licence to Construct a Reactor Facility", October 31, 2022, CD# NK054-CORR-00531-10738
  2. OPG Letter, M. Knutson to S. Eaton, "DNNP - Submission of the Licence to Construct Application Plan Revision R01", June 1, 2022, CD# NK054-CORR-00531-10667
  3. CNSC Letter, B. Rzentkowski to M. Knutson, "Canadian Nuclear Safety Commission (CNSC) staff response to Darlington New Nuclear Project (DNNP) Licence to Construct (LTC) Application Plan Revision R01", July 15, 2022, CD# NK054-CORR-00531-10706, e-Doc 6834092
  4. OPG Letter, M. Knutson to D. Saumure, "DNNP – Submission of Package #6b – Construction & Commissioning Program Deliverables - in Support of the Licence to Construct Application for the CNSC Review", March 31, 2023, CD# NK054-CORR-00531-10775

The purpose of this letter is to submit the Package #6(a), Construction & Commissioning Program deliverables, to the CNSC for review. This submission is to support the Licence to Construct (LTC) Application [R1] as stated in the LTC Application Plan [R2] [R3].

This submission also contains the Darlington New Nuclear Project: BWRX-300 Preliminary Safety Analysis Report, Revision 001. The confidential deliverables, Package #6 (b), are submitted in [R4].

Table 1 lists the deliverables that are enclosed for this submission.

**Table 1: List of Package #6(a) Construction & Commissioning Program Deliverables**

Enclosure #	Document Title	Document Number	Revision #
1	Preliminary Decommissioning Plan for the Darlington New Nuclear Project As-Built Facility	NK054-PLAN-00960-00006	R000
2	Preliminary Decommissioning Plan for the Darlington New Nuclear Project - End of Life	NK054-PLAN-00960-00007	R000
3	Darlington New Nuclear Project Construction Plan	NK054-PLAN-01210-00107	R000
4	Darlington New Nuclear Project Turnover and Commissioning Program Management Plan	NK054-PLAN-01210-00100 Sheet 0019	R001
5	Darlington New Nuclear Project – Site-Specific Probabilistic Seismic Hazard Assessment	NK054-REP-03500.8-00001	R000
6	Darlington New Nuclear Project – Seismically-Induced Soil Liquefaction Assessment	NK054-REP-03500.8-00002	R001
7	Ontario Power Generation Inc. Darlington New Nuclear Project: BWRX-300 Preliminary Safety Analysis Report	NK054-SR-01210-00001	R001

Should you have any questions or require additional information, please contact Ms. Sevana Bedrossian, Manager, Regulatory Affairs – DNNP Licensing at (416) 716-3879 or by email at [sevana.bedrossian@opg.com](mailto:sevana.bedrossian@opg.com).

Sincerely,



Mark R. Knutson, P.Eng.  
Senior Vice President  
Chief Enterprise Engineering and Chief Nuclear Engineer  
Ontario Power Generation Inc.

Enc.

cc: C. Ducros - CNSC (Ottawa)  
S. Eaton - CNSC (Ottawa)  
B. Rzentkowski - CNSC (Ottawa)  
M. Naraine - CNSC (Ottawa)  
N. Dormer - CNSC (Ottawa)  
D. Ouellette - CNSC (Ottawa)

**Enclosure 1**

**Preliminary Decommissioning Plan for the Darlington New Nuclear Project As-Built Facility**

**NK054-PLAN-00960-00006 R000**

**March 8, 2023**

**Enclosure 2**

**Preliminary Decommissioning Plan for the Darlington New Nuclear Project – End  
of Life**

**NK054-PLAN-00960-00007 R000**

**March 17, 2023**

**Enclosure 3**

**Darlington New Nuclear Project Construction Plan**

**NK054-PLAN-01210-00107 R000**

**February 9, 2023**

**Enclosure 4**

**Darlington New Nuclear Project Turnover and Commissioning Program  
Management Plan**

**NK054-PLAN-01210-00100 Sheet 0019 R001**

**March 3, 2023**

**Enclosure 5**

**Darlington New Nuclear Project – Site-Specific Probabilistic Seismic Hazard  
Assessment**

**NK054-REP-03500.8-00001 R000**

**December 22, 2022**



**Enclosure 6**

**Darlington New Nuclear Project – Seismically-Induced Soil Liquefaction  
Assessment**

**NK054-REP-03500.8-00002 R001**

**February 15, 2023**

**Enclosure 7**

**Ontario Power Generation Inc. Darlington New Nuclear Project: BWRX-300  
Preliminary Safety Analysis Report**

**NK054-SR-01210-00001 R001**

**March 15, 2023**