



Minutes of the Canadian Nuclear Safety
Commission (CNSC) Meeting Held on
June 25, 2018

Minutes of the Canadian Nuclear Safety Commission (CNSC) meeting held on Monday, June 25, 2018, beginning at 1:00 p.m., in the Pickering Recreation Complex, 1867 Valley Farm Road, Pickering, ON.

Present:

M. Binder, President
S. Demeter
M. Lacroix
K. Penney
R. Velshi
T. Berube

M. Leblanc, Secretary
L. Thiele, Senior General Counsel
P. McNelles, Recording Secretary

CNSC staff advisors were: R. Jammal and G. Frappier

Other contributors were:

- Ontario Power Generation: P. Herrera, S. Smith and B. Vulcanovic

Constitution

1. With the notice of meeting CMD 18-M27 having been properly given and all permanent Commission members being present, the meeting was declared to be properly constituted.
2. Since the meeting of the Commission held May 28, 2018, Commission member documents (CMD) 18-M27 to 18-M29 and 18-M33 was distributed to members. This document is further detailed in Annex A of these minutes.

Adoption of the Agenda

3. The agenda, CMD 18-M28, was adopted as presented.

Chair and Secretary

4. The President chaired the meeting of the Commission, assisted by M. Leblanc, Secretary, and via webcast, P. McNelles, Recording Secretary.

Minutes of the CNSC Meeting Held May 28, 2018

5. The minutes of the May 28, 2018 Commission meeting, CMD 18-M29, were approved.

STATUS REPORTS

Status Report on Power Reactors

6. With reference to CMD 18-M33, which provides the Status Report on Power Reactors (Status Report), CNSC staff provided updates on the following:
 - Bruce Nuclear Generating Station (NGS) Unit 4 had returned to Full Power (FP) following its planned maintenance outage
 - Darlington NGS Unit 3 had returned to FP following its planned maintenance outage
 - Darlington NGS Unit 4 was shut down on June 22, 2018 for planned inspection work on the primary heat transport system
 - Pickering NGS Unit 4 was shut down on June 22, 2018 due to the stalling of one its digital control computers (DCCs), and CNSC staff was informed of this in accordance with the Pickering NGS operating licence. Following this shutdown, Unit 4 was operating at 1.3% of FP, and was being monitored by CNSC staff as it progressed back to FP. There was no impact with respect to the health and safety of workers, the public, or the environment from this event
 - Pickering NGS Unit 8 was at 59.9% of FP following a prior outage and was progressing back to FP

Pickering

7. The Commission noted that Pickering NGS Unit 8 underwent an unplanned outage on June 7, 2018, to allow for repairs to fueling machine equipment, and asked for additional details in that regard.

The OPG representative explained that the equipment in question was specific to Unit 8 only, and that the outage was due to a flow blockage in the fuel handling machine. The OPG representative confirmed that Unit 8 had subsequently returned to service, following the resolution of that issue.

8. The Commission asked for further details regarding the outage of Pickering NGS Unit 4 due to the stalling of one of the DCCs. The OPG representative informed the Commission that the outage was actually due to a human performance issue, as a control room staff member did not follow the correct operating procedures, causing one of the DCCs to stall. The OPG representative stated that there was no functional issue with the DCCs, and that both of the DCCs had been restarted and were operating correctly. The Commission noted that a minor human error had resulted in the shutdown of the reactor. CNSC staff stated that there was no safety concern with respect to this event, and that the Commission would be provided with lessons learned regarding this event following the completion of the investigation by OPG.

ACTION
Nov. 2018

Darlington

9. The Commission enquired as to when the detailed event report for the Darlington Internal Contamination Event (Alpha Exposure),^{1,2,3} would be brought before the Commission. CNSC staff provided additional details regarding dose calculations and noted that OPG had prepared a detailed event report that was reviewed by CNSC staff, and CNSC staff confirmed that the detailed event report would be presented at the August 2018 public Commission meeting.

ACTION
Nov. 2018

Status Update on Saskatchewan Fires

10. CNSC staff provided a verbal update regarding forest fires in the province of Saskatchewan in the vicinity of certain uranium mines. There was no CMD for this update.
11. Addressing the potential nuclear safety concerns posed by those forest fires, CNSC staff reported that the fire had started in the vicinity of the McArthur River Uranium Mine (McArthur Mine),

¹CNSC Event Initial Report (EIR) – CMD 18-M14, *Darlington Refurbishment – Retube Waste Processing Building – Internal Contamination Event*, March, 2018.

²*Minutes of the Canadian Nuclear Safety Commission (CNSC) Meeting held on March 15, 2018*, paragraphs 25-31.

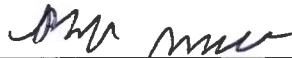
³*Minutes of the Canadian Nuclear Safety Commission (CNSC) Meeting held on April 4, 2018*, paragraphs 7-9.

which had previously suspended production.⁴ CNSC staff confirmed that the McArthur Mine was adequately designed and prepared to withstand natural hazards, and that there were no safety issues regarding the workers or the environment.

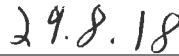
12. Asked if the forest fires were under control, CNSC staff responded that the fire near the McArthur Mine was currently under control and noted that the status of a forest fire may vary significantly over time due to changes in environmental conditions. CNSC staff further stated that the McArthur Mine was adequately prepared in the event that the fire shifted closer to the facility.

Closure of the Public Meeting

13. The meeting closed at 1:15 P.M.



Recording Secretary



Date



Secretary



Date

⁴ McArthur River Mine – Cameco to suspend production of McArthur River and Key Lake Operations, CNSC, 8 November 2017. < <http://nuclearsafety.gc.ca/eng/uranium/mines-and-mills/nuclear-facilities/mcarthur-river-lake/index.cfm>>

APPENDIX A

18-M27	2018-06-06	e-Docs 5552847
Notice of Commission Meeting of June 25, 2018		
18-M28	2018-06-13	e-Docs 5552858
Agenda of the meeting of the Canadian Nuclear Safety Commission (CNSC) to be held on Monday, June 25, 2018 in the Pickering Recreation Complex, 1867 Valley Farm Road, Pickering, ON		
18-M29	2018-06-21	e-Docs 5561365
Approval of Minutes of Commission Meeting held on May 28, 2018		
18-M33	2018-06-20	e-Docs 5564471
Status Report on Power Reactors Submission from CNSC Staff		