



Minutes of the Canadian Nuclear Safety
Commission (CNSC) Meeting held on
May 9, 2017

Minutes of the Canadian Nuclear Safety Commission (CNSC) meeting held Tuesday, May 9, 2017 beginning at 9:30 a.m. at the Delta Hotels Saint John, Ballrooms A & B, 39 King Street, Saint John, New Brunswick.

Present:

M. Binder, President
S. Demeter
S. McEwan
R. Seeley
S. A. Soliman

M. Leblanc, Secretary
L. Thiele, Senior General Counsel
B. Gerestein and P. McNelles, Recording Secretaries

CNSC staff advisors were: G. Frappier, A. Viktorov and S. Karkour

Other contributors were: Ontario Power Generation, Z. Khansaheb

Constitution

1. With the notice of meeting CMD 17-M23 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 April 12, 2017, Commission member documents CMD 17-M23 to CMD 17-M26 were distributed to members. These documents are further detailed in Annex A of these minutes.

Adoption of the Agenda

3. The agenda, CMD 17-M24, was adopted as presented.

Chair and Secretary

4. The President chaired the meeting of the Commission, assisted by M. Leblanc, Secretary and B. Gerestein and P. McNelles, Recording Secretaries.

Minutes of the CNSC Meeting Held April 12, 2017

5. The Commission members approved the minutes of the April 12, 2017 Commission meeting as presented in CMD 17-M25. Mr. Seeley did not participate in the approval of the minutes since he was not present at the April 12, 2017 meeting.

STATUS REPORTS

Status Report on Power Reactors

6. With reference to CMD 17-M26, CNSC staff presented the following information:
 - Bruce nuclear generating station (NGS) Unit 5 is returning to service following a planned outage;
 - Darlington NGS Unit 4 was put in a forced outage and is expected to return to full power on May 11, 2017;
 - A contract employee working at the Darlington NGS experienced electrical shock symptoms. The Ontario Ministry of Labour (MOL) imposed an action on the contractor to provide the MOL with a copy of the inspection report of the welding machine that caused the electrical shock prior to returning the machine into service;
 - Pickering NGS Unit 7 has returned to full power following replacement of an electro-hydraulic governor module;
 - Pickering NGS Unit 1 was shut down for repairs on May 8 and is expected to return to service the week of May 9; and
 - Point Lepreau NGS has returned to full power following a planned outage.

Pickering NGS

7. The Commission requested further information on the leak from the emergency coolant injection system at the Pickering NGS Unit 5. CNSC staff informed the Commission that the leaks were from some construction joints in the concrete in the moderator room. Over a period of months or years, the system leaked small amounts of tritiated water, below detection levels, and eventually seeped through construction joints and reached the fuel transfer tunnel where it was detected. The joints have now been resealed and it is expected that the leaks have been repaired. CNSC staff stated that a root cause analysis is being undertaken and an update to the Commission will be forthcoming.
8. The Commission asked about the fault in the electro-hydraulic governor at Pickering NGS Unit 7 that caused the station to reduce power on April 30, 2017. CNSC staff informed the Commission that a module within the governor malfunctioned, causing the control of steam inflow to be unbalanced resulting in flow levels from the turbine above the design limit. This forced the reactor power to be dropped in order to maintain the system design limits. CNSC staff noted that the electrical module has been replaced and that the issue has been resolved. CNSC staff also informed the Commission that this issue relates to the non-nuclear side of the

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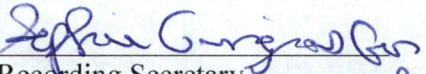
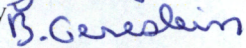
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May 9, 2017

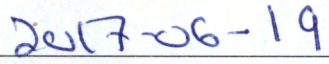
NGS and that CNSC staff will provide an update report to the Commission on the root cause investigation of the module failure.

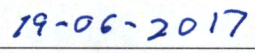
Closure of the Public Meeting

9. The meeting closed at 9:49 a.m.


Recording Secretary 


Secretary


Date


Date

APPENDIX A

CMD	Date	e-Docs No.
17-M23	2017-04-20	e-Docs 5232778
Notice of Commission Meeting of May 9, 2017		
17-M24	2017-05-03	e-Docs 5240453
Agenda of the meeting of the Canadian Nuclear Safety Commission (CNSC) to be held on Tuesday, May 9, 2017 in the Ballrooms A and B, Delta Hotels Saint John, 39 King Street, Saint John, New Brunswick		
17-M25	2017-05-05	e-Docs 5240704
Approval of Minutes of Commission Meeting held on April 12, 2017		
17-M26	2017-05-03	e-Docs 5242613
Status Report on Power Reactors Submission from CNSC Staff		