



Minutes of the Canadian Nuclear Safety
Commission (CNSC) Meeting held on June 8, 2017

Minutes of the Canadian Nuclear Safety Commission (CNSC) meeting held Thursday, June 8, 2017 beginning at 9 a.m. at the Kikinahk Friendship Centre, 320 Boardman St., La Ronge, Saskatchewan.

Present:

S. McEwan, Chair
S. Demeter
R. Seeley
S.A. Soliman

M. Leblanc, Secretary
L. Thiele, Senior General Counsel
B. Gerestein, Recording Secretary (via Web)

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

Other contributors were:

- Bruce Power: M. Burton
- Ontario Power Generation, Pickering NGS: S. Smith

Constitution

1. With the notice of meeting, CMD 17-M27, having been properly given and a quorum of permanent Commission members being present, the meeting was declared to be properly constituted.
2. Since the meeting of the Commission held May 9, 2017, Commission member documents CMD 17-M28 to CMD 17-M30 were distributed to members. These documents are further detailed in Annex A of these minutes.

Adoption of the Agenda

3. The revised agenda, CMD 17-M28, was adopted as presented.

Chair and Secretary

4. Commission Member S. McEwan chaired the meeting of the Commission, assisted by M. Leblanc, Secretary and B. Gerestein, Recording Secretary.

Minutes of the CNSC Meeting Held May 9, 2017

5. The Commission members approved the minutes of the May 9, 2017 meeting as presented in CMD 17-M29.

STATUS REPORTS

Status Report on Power Reactors

6. With reference to CMD 17-M30, CNSC staff presented the following information:
 - Bruce Nuclear Generating Station (NGS) Unit 7 was shut down on June 4, 2017 for a surplus baseload generation outage and returned to full power on June 8.
 - Bruce Unit 4 was shut down May 12, 2017 when a circuit breaker spuriously opened, resulting in a unit trip.
 - On May 18, 2017 Bruce Power notified the Commission of two separate minor transportation incidents.
 - Darlington NGS Unit 1 remains in a planned maintenance outage with full power to resume June 26.
 - Pickering NGS Unit 5 has completed a planned maintenance outage and June 9 was the target date for return to full power.
 - Pickering NGS Unit 8 is at 97% of full power. Fuelling is still unavailable due to high suspended particulate concentration in the heat transport system. There is currently no target date for resuming fuelling.
 - The Point Lepreau NGS continues to operate at full power.

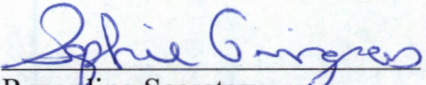
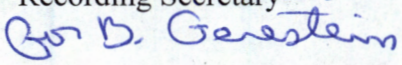
7. The Commission sought clarification on the Bruce NGS Unit 4 incident involving a unit trip on May 12. The Commission asked about the location of the failed circuit breaker and Bruce Power identified the location as the electrical grid System Service Transformer (SST) circuit breaker. The Commission asked if the reactor experienced loss of class IV power and Bruce Power has confirmed the loss of class IV Power. The reactor was tripped and the shutdown system SDS1 was initiated as designed. The Bruce Power representative provided details on the event and informed the Commission that the reactor was in the process of diverting steam from the turbine when the circuit breaker opened and caused the reactor trip. The Bruce Power representative informed the Commission that both shutdown systems activated as designed and that the incident is currently under investigation. The reactor returned to service on May 24. An OPEX report will be sent through the CANDU Owner's Group and a root cause report is being prepared for the CNSC. This report is due July 9. CNSC staff informed the Commission that, following its review of the report, the Commission will be provided with an incident update at the August 2017 meeting of the Commission.

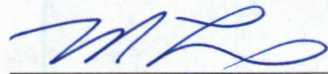
ACTION
by
August 2017

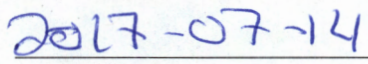
8. The Commission asked about two transportation incidents involving shipments of low-level radioactive waste from the Bruce site to a licensed storage facility. The Bruce Power representative indicated that the same transport company was involved in both incidents. The incidents involved shipments of low-level radioactive waste that was in certified sealed containers. The containers shifted in the truck and received minor damage but the incident did not result in a release of contamination. The Bruce Power representative stated that the containers were on wheels and tied down but came loose. The Bruce Power representative indicated that, in this case, to prevent further movement, the containers were then placed on blocks and were secured by chains instead of straps.
9. The Commission asked about the failure of the Electro Hydraulic Governor (EHG) at the Pickering NGS Unit 7. The failure caused steam release valves to open due to a pressure increase in the boiler. The failure was due to aging degradation and it is monitored closely. The OPG representative responded that the EHG is managed as part of their normal aging management processes.
10. The Commission asked about the fracture of a pressure tube in a reactor in Kakrapar, India that was first reported to the Commission at its April 2016 meeting. CNSC staff provided an update and noted that the root cause analysis has been requested from the Atomic Energy Regulatory Board in India.

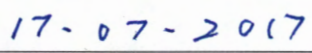
Closure of the Public Meeting

11. The meeting closed at 9:22 a.m.


Recording Secretary



Secretary


Date


Date

APPENDIX A

17-M27	2017-05-18	e-Docs 5253575
Notice of Commission Meeting of June 8, 2017		
17-M28	2017-05-29	e-Docs 5255014
Agenda of the meeting of the Canadian Nuclear Safety Commission (CNSC) to be held on Thursday, June 8, 2017 at the Kikinahk Friendship Centre, 320 Boardman Street, La Ronge, Saskatchewan		
17-M29	2017-05-30	e-Docs 5259725
Approval of Minutes of Commission Meeting held on May 9, 2017		
17-M30	2017-06-02	e-Docs 5262970
Status Report on Power Reactors Submission from CNSC Staff		