

Minutes of the Canadian Nuclear Safety Commission (CNSC) Meeting held Tuesday, October 18, 2005 beginning at 4:31 p.m. in the Public Hearing Room, CNSC Offices, 280 Slater Street, Ottawa, Ontario.

Present:

L.J. Keen, Chair

C.R. Barnes

J. Dosman

A. Graham

M.J. McDill

M.A. Leblanc, Secretary

J. Lavoie, General Counsel

S. Gingras, Recording Secretary

CNSC staff advisers were: K. Lafrenière, T. Schaubel, P. Webster, B. Howden and K. Klassen

Other contributors were:

- Ontario Power Generation Inc.: P. Paske, M. Williams, K. Nash, J. Hudson and K. Mombourquette
- Bruce Power: F. Saunders

Adoption of the Agenda

1. The revised agenda, CMD 05-M57, was adopted as presented.

Chair and Secretary

2. The President chaired the meeting of the Commission, assisted by M. A. Leblanc, Secretary and S. Gingras, Recording Secretary.

Constitution

3. With the notice of meeting having been properly given and a quorum of Commission Members being present, the meeting was declared to be properly constituted.
4. Since the meeting of the Commission held September 14, 2005, Commission Member Documents CMD 05-M56 to CMD 05-M62 were distributed to Members. These documents are further detailed in Annex A of these minutes.

Minutes of the CNSC Meeting Held September 14, 2005

5. The Members approved the minutes of the September 14, 2005 Commission meeting without change.

Significant Development Report

6. Significant Development Report (SDR) no. 2005-08 (CMD 05-M59) was submitted by staff. The following information was added orally during the meeting.
7. With reference to item 4.1.1 of CMD 05-M59 concerning a temporary loss of power to one half of the Emergency Coolant Injection (ECI) valves at Unit 4 of the Pickering Nuclear Generating Station A, OPG explained that the event was caused by a system failure that can occur only during testing, and that it would not occur in the event of an actual accident.
8. In response to the Commission's questions about the seriousness of the accident, OPG stated that the loss of power resulted in a Level 1 impairment of the ECI system. CNSC staff added that the ECI system was unavailable for 90 minutes, and that any unavailability of a special safety system is considered a significant event.
9. In response to further questioning from the Commission, OPG explained that the testing procedure has been suspended and that OPG has initiated corrective action to prevent reoccurrence of the event. OPG also noted that, in the interim, it has developed a modified test that will allow OPG to demonstrate the availability of the ECI system without introducing any impairment.
10. With respect to an incident that occurred after the SDR was submitted, CNSC staff reported on a personal injury incident that occurred on October 15, 2005 at Unit 6 of Pickering B Nuclear Generating Station. The unit was shut down for maintenance at the time of the event. While racking a 600-volt breaker, an arcing accident occurred resulting in first and second-degree burns to the control technician who was performing the operation. The technician was sent to the hospital, treated and later released. CNSC staff reported that the cause of the incident was as yet unknown and that it appears that all precautions were taken at the time. CNSC staff's investigation is continuing.
11. In response to a question from the Commission on this accident, CNSC staff stated that it will report to the Commission at a future meeting in the form of a follow-up Significant Development Report. The Commission requested OPG to be present at the

presentation of the follow-up report on this event.

ACTION

12. On another matter, CNSC staff reported that Bruce Power has announced on October 17, 2005 that it reached agreement with the Ontario Power Authority to launch a \$4.25 billion investment to secure the long-term future operation of the Bruce Nuclear Generating Station, beginning with the restart of the Bruce Units 1 and 2. CNSC staff added that the final environmental assessment screening report for the Bruce A restart, which includes Units 1 to 4, is planned to be submitted to the Commission for approval in June of 2006.
13. In response to the Commission's questions on the project schedule, Bruce Power stated that the schedule is preliminary at this time and that a more detailed schedule will be prepared following discussions with CNSC staff.

Status Report on Power Reactors

14. With reference to the Status Report on Power Reactors (CMD 05-M60), the Commission sought an update on the status of Unit 1 at the Darlington Nuclear Generating Station. The unit has been shutdown to address a problem with algae accumulation in the cooling water system. CNSC staff responded that the event did not pose a significant risk to the health and safety of persons or the environment and that Unit 1 was returned to service on October 3, 2005.

Mid-Term Licensing Report on Ontario Power Generation Inc.'s Pickering Waste Management Facility

15. With reference to CMD 05-M61, CNSC staff presented a mid-term licensing report on the Pickering Radioactive Waste Management Facility.
16. In response to the Commission's questioning on the report, OPG described the process for inspecting the underside of the dry storage containers and its Baseline Inspection Program.
17. In response to the Commission's questions on the radiological "fingerprinting" process described in the report, OPG explained that the technique is part of the integrated safeguards trial conducted in partnership with the IAEA and the CNSC. The IAEA determined that the gamma "fingerprint" of each dry storage container is sufficiently unique to be used as a baseline to identify the containers.

18. In response to a question from the Commission about earlier incidents involving damage to the safeguards seals, OPG explained that it has put in place prescriptive instructions for the installation of the seals, and that inspections are performed before and after attachment to reduce the potential for contact between any other device and the seal.
19. In response to the Commission's questions on how the containers are performing in comparison to their projected 50-year lifespan, OPG stated that independent consultants have advised that, with reasonable care and maintenance, the containers could last for a much longer period of time, for instance 100 years. OPG added that its inspections have identified only minor signs of corrosion or blemishes.

Closure of the Public Meeting

20. The public portion of the meeting closed at 5:14 p.m.

Status Report on Gentilly-2 Security Measures

21. With reference to CMD 05-M62, CNSC staff presented a report on the status of security measures at Hydro Québec's Gentilly site. Because the report contains prescribed security information, this portion of the meeting was not held in public.

Chair

Recording Secretary

Secretary

ANNEX A

CMD	DATE	File No
05-M56	2005-09-01	(1-3-1-5)
Notice of meeting held on Thursday, October 19, 2005 in Ottawa		
05-M56.A	2005-09-29	(1-3-1-5)
Notice of meeting held on Tuesday, October 18, 2005 in Ottawa – Change of date		
05-M57	2005-10-05	(1-3-1-5)
Agenda of the meeting of the Canadian Nuclear Safety Commission (CNSC) held in the public hearing room, 14th floor, 280 Slater Street, Ottawa, Ontario, on Tuesday, October 18, 2005		
05-M58	2005-10-04	(1-3-1-5)
Approval of minutes of Commission meeting held September 14, 2005		
05-M59	2005-09-30	(1-3-1-5)
Significant Development Report no. 2005-8 for the period of August 27, 2005 to September 30, 2005		
05-M60	2005-09-30	(1-3-1-5)
Status report on power reactors for the period of August 27, 2005 to September 30, 2005		
05-M61	2005-10-04	(37-2-4-2)
Mid-term Licensing Report on Ontario Power Generation Inc.'s Pickering Waste Management Facility		
05-M62	2005-10-03	(1-11-27-6)
Status Report on Gentilly-2 security measures, S-298 standard implementation – Contains prescribed security information and is not publicly available		