

May 29 and 30, 2001

Minutes of the Canadian Nuclear Safety Commission (CNSC) Meeting held Tuesday, May 29, 2001, beginning at 1:35 p.m. in the Public Hearing Room, CNSC Offices, 280 Slater Street, Ottawa, Ontario and continuing Wednesday, May 30, 2001 at 8:30 a.m.

Present:

L.J. Keen, Chair
C.R. Barnes (for May 29, 2001)
Y.M. Giroux
A.R. Graham
L.J. MacLachlan

G.C. Jack, Secretary
B. Shaffer, Counsel
B. Gerestein, Recording Secretary

Commission staff advisers were J. Blyth, P. Elder, J. Harvey, P. Hawley, R. Irwin, M. James, K. Lafrenière, R. Leblanc, K. Pereira, P. Phillips, G. Schwarz, M. Taylor, J. Waddington and M. White.

Adoption of the Agenda

1. The agenda, CMD 01-M29, was adopted as presented.

Chair and Secretary

2. The President took the Chair and the Secretary of the Commission acted as Secretary of the meeting with the Manager, Commission Services Group acting as recording secretary.

Constitution

3. Notice of meeting having been properly given and a quorum of Members being present, the meeting was declared to be properly constituted.
4. Since the meeting of the CNSC held March 8, 2001, Commission Member Documents CMD 01-M28 to CMD 01-M44 have been distributed to Members. These documents are further detailed in Annex A of these minutes.

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Meeting with the Advisory Committees

5. The Chair invited Dr. I. Sutherland, Advisory Committee on Radiological Protection (ACRP) and Dr. A. Biron, Advisory Committee on Nuclear Safety (ACNS), to present their reports.

Dr. Sutherland, accompanied by Dr. R.J. Woods, Dr. D.B. Chambers and Mr. P. O'Brien, provided an overview of ACRP activities and gave status reports on a number of projects; reference CMD 01-M40, part A.

Dr. A. Biron, accompanied by Mr. J. McManus, provided an overview of ACNS activities, gave status reports on ACNS projects, and outlined possible research topics for ACNS consideration; reference CMD 01-M40, part B.

The Chair thanked Dr. Biron for the two reports, ACNS-27, "Research in Support of Operational Safety at Nuclear Power Plants", and ACNS-28, "Canadian Nuclear Safety Commission Regulatory Documentation". The Chair commented that she would have CNSC staff review and comment on these documents.

Adjournment

6. The meeting with the Advisory Committees of the CNSC concluded at 3:07 p.m. The CNSC public meeting was then adjourned to Wednesday, May 30, 2001 at 8:30 a.m.

Continuation of the Public Meeting of the Canadian Nuclear Safety Commission

7. With a quorum of Members present, the meeting reconvened at 8:30 a.m. with the absence of Dr. C.R. Barnes.

Minutes of the CNSC Meeting Held March 8, 2001

8. Members approved the minutes of the March 8, 2001 meeting of the Commission; reference CMD 01-M30.

DECISION

Business Arising

9. Members received for information the report on business arising from previous meetings of the Atomic Energy Control Board; reference CMD 01-M31.

10. Members received for information the report on business arising from previous hearings and meetings of the CNSC; reference CMD 01-M32.

Significant Development Report

11. Members reviewed with CNSC staff Significant Development Report (SDR) number 2001-4; reference CMD 01-M33.

Research and Production Facilities: CNSC staff provided an update on damaged environmental samplers and actions being considered by SRB Technologies (Canada) Inc., Pembroke, Ontario, to secure the samplers; reference CMD 01-M33, section 1.1. CNSC staff also provided an update on a truck crash near Dryden, Ontario, which occurred May 2, 2001. CNSC staff noted that the two packages survived the accident in accordance with their design function, and protected the radioactive sources from damage; reference CMD 01-M33, section 1.2.

Power Reactor Operations Division: CNSC staff provided an update on feeder pipe cracks at the Point Lepreau NGS and remedial actions; reference CMD 01-M33, section 2.2. In response to a Member's request for further information pertaining to the feeder pipe investigation, CNSC staff stated that a further update will be prepared for the Commission.

ACTION
J. Harvie

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Exemption from Class II Nuclear Facilities and Prescribed Equipment Regulations

12. Members received for consideration a request from CNSC staff for an exemption from subsections 15(2), 15(3) and paragraph 15(9)(c) of the *Class II Nuclear Facilities and Prescribed Equipment Regulations* for research particle accelerator facilities; reference CMD 01-M34.

In response to a Member's question on whether the exemption should be time limited, pending regulatory change, CNSC staff indicated that a change to the regulation is contemplated but the time frame is uncertain. (Continued in item 19)

Amendment to the Regulatory Transition Plan - Uranium Processing Facilities

13. Members received for consideration a request from CNSC staff for an amendment to the CNSC Regulatory Transition Plan, CMD 00-M19. CNSC staff requested an exemption from subsection 5(1) of the *Radiation Protection Regulations* and requested that the exemptions from the application of paragraph 7(1)(d) and section 8 of the *Radiation Protection Regulations*, pertaining to internal dosimetry and internal radiation doses, be extended to March 31, 2003; reference CMD 01-M35. Members asked staff if workers at the licensed facilities have been informed of this proposal. CNSC staff responded that workers have not yet been informed but that the companies are aware of the proposed changes. (Continued in item 20)

Class II Servicing Licences

14. Members received for consideration a request from CNSC staff for an amendment to the CNSC Regulatory Transition Plan, CMD 00-M19. CNSC staff requested that the exemption for Class II servicing licences be extended from 12 months to 24 months; reference CMD 01-43. (Continued in item 21)

Status of Ontario Power Generation's NAOP Based Integrated Improvement Plan

15. Members received for information, and discussed with CNSC staff and Ontario Power Generation representatives, the update reports submitted by CNSC staff and Ontario Power Generation (OPG) on the status of OPG's NAOP Based Integrated Improvement Plan; reference CMD 01-M36 and CMD 01-M36.1.

(The meeting recessed from 10:07 a.m. to 10:30 a.m.)

CNSC Staff Annual Report for 2000 on the Canadian Nuclear Power Industry

16. Members received for information the CNSC staff annual report for 2000 on the performance of the Canadian nuclear power industry; reference CMD 01-M37.

Review of CNSC Oversight of the MAPLE Project

17. Members received for information the CNSC staff review of the regulatory oversight of the MAPLE project; reference CMD 01-M44.

Closing

18. The public meeting concluded at 11:30 a.m. and continued in camera.

Exemption from Class II Nuclear Facilities and Prescribed Equipment Regulations (Continued from item 12)

19. The Canadian Nuclear Safety Commission, pursuant to section 7 of the *Nuclear Safety and Control Act*, exempts from the application of subsections 15(2) and 15(3) and paragraph 15(9)(c) of the *Class II Nuclear Facilities and Prescribed Equipment Regulations*, until May 31, 2003, licensees who operate a Class II nuclear facility where the licensed facility is comprised of a research particle accelerator and meets at least one of the following criteria:

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- 1) The dose rate at 30 centimetres from the Class II prescribed equipment must not be greater than 200 microsieverts/hour (: Sv/h) when the equipment is being operated in the manner which produces the maximum dose rate as limited either by the equipment characteristics or by interlocks, and the room in which the Class II prescribed equipment is located is normally locked and can only be unlocked and accessed by persons who have been authorized by the licensee.
- 2) The dose rate at 30 centimetres from the Class II prescribed equipment must not be greater than 25 : Sv/h when the equipment is being operated in the manner which produces the maximum dose rate as limited either by the equipment characteristics or by interlocks.
- 3) The Class II prescribed equipment cannot be accessed during operation because the shielding physically prevents access to any area in which the dose rate exceeds 10 : Sv/h.

The Commission directs CNSC staff to pursue regulatory change pertaining to these matters in an expeditious manner.

DECISION

ACTION
K. Pereira

Amendment to the Regulatory Transition Plan - Uranium Processing Facilities (Continued from item 13)

20. The Canadian Nuclear Safety Commission, pursuant to section 7 of the *Nuclear Safety and Control Act*, exempts the licensees described below from the application of subsection 5(1) of the *Radiation Protection Regulations* and extends the exemptions from the application of paragraph 7(1)(d) and section 8 of the *Radiation Protection Regulations*, until March 31, 2003, as the requirements in those provisions apply to internal dosimetry and internal radiation doses for nuclear energy workers at the uranium processing facilities operated by the following licensees:

- a) GE Canada Inc. at Peterborough and Toronto, Ontario, under licences FFOL-3621.0/2005 and FFOL-3622.0/2005, respectively;

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b) Cameco Corporation at Blind River and Port Hope, Ontario, under licences AECB-FFOL-224-6 and AECB-FFOL-225-5, respectively, and;

c) Zircatec Precision Industries at Port Hope, Ontario, under licence AECB-FFOL-223-6.

DECISION

The Commission directed that CNSC staff inform employees at these facilities of the exemptions.

ACTION
K. Pereira**Class II Servicing Licences (Continued from item 14)**

21. The Canadian Nuclear Safety Commission, pursuant to section 7 of the *Nuclear Safety and Control Act*, extends until May 31, 2002 the exemption from the application of the licence requirement in paragraph 26(c) of the *Nuclear Safety and Control Act* to persons who service Class II prescribed equipment.

DECISION**Closing**

22. The meeting closed at 12:10 p.m.

Chair

Recording Secretary

Secretary