



Canadian Nuclear
Safety Commission

Commission canadienne
de sûreté nucléaire

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Status Report on Power Reactors

Rapport d'étape sur les centrales nucléaires

Commission Meeting
October 4, 2018

Réunion de la Commission
le 4 octobre 2018

This document summarizes the status of the
Power Reactor facilities as of September 25,
2018.

Ce rapport résume le rapport d'étape sur les
centrales nucléaires en date du 25
septembre 2018.

Signed on / Signé le
2018-09-27

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Directeur général, Direction de la réglementation des centrales nucléaires

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1. Power Reactors Status as of September 25, 2018**1.1 Bruce A and B**

Operational Status
Unit 1 is at Full Power
Unit 2 is at Full Power
Unit 3 is at Full Power
Unit 4 is at Full Power
Unit 5 is at Full Power
Unit 6 is at Full Power
Unit 7 is at Full Power
Unit 8 is in Guaranteed Shutdown State
Licensing
Power Reactor Operating Licence expires on May 31, 2020.
Comments
Unit 8 began a planned maintenance outage on August 31st. On Sept 12, 2018 during a vehicle inspection at the main security gate, a Bruce nuclear security guard fell from the back of a transport truck and fractured his arm. The worker was taken to the Kincardine hospital to be treated for his injury. As this is considered a critical injury, the CNSC and Ministry of Labour were informed of the incident. A MOL officer attended the site and conducted an investigation. The results of the investigation will be provided to the CNSC once the report is finalized. No further actions are required to be taken by CNSC staff.
Event Notifications and Updates
None.
Actions from previous Commission meetings
None.

1.2 Darlington

Operational Status
Unit 1 is at Full Power
Unit 2 is Shutdown for Refurbishment
Unit 3 is at Full Power
Unit 4 is at Full Power
Licensing
Power Reactor Operating Licence expires on November 30, 2025.
Comments
Unit 2 Calandria tube install series is now the focus. Insertion is complete on 272 of 480 tubes. Installation of Calandria tubes is estimated to be completed mid-October, 2018.
Event Notifications and Updates
CNSC staff are currently reviewing OPG's response to the recent 12(2) request issued in regards to the Internal Alpha refurbishment related uptake event, which was received on July 30, 2018. A status update will be provided to the Commission in November once CNSC staff have completed their review.
Actions from previous Commission meetings
None.

1.3 Pickering

Operational Status
Unit 1 is at 97% of Full Power
Unit 2 is in a Safe Storage State
Unit 3 is in a Safe Storage State
Unit 4 is at 81% of Full Power
Unit 5 is at 95% of Full Power
Unit 6 is at 92% of Full Power
Unit 7 is at 98% of Full Power
Unit 8 is in Guaranteed Shutdown State
Licensing
Power Reactor Operating License expires on August 31, 2028.
Comments
Unit 1 is derated due to fueling machine unavailability. Unit 4 is derated due to fueling machine unavailability. Unit 5 is derated due to debris run. Unit 6 is derated due to debris run. Unit 7 is restricted to 98% of Full Power in order to maintain adequate trip margins. Unit 8 is in a planned maintenance outage. Unit 8 projected return to service date is late November, 2018.
Event Notifications and Updates
None.
Actions from previous Commission meetings
None.

1.4 Point Lepreau

Operational Status
Unit is 99.8% of at Full Power
Licensing
Power Reactor Operating Licence expires on June 30, 2022.
Comments
The unit is derated to 99.8% full power to allow the resolution of an issue with a reheater on the secondary side of the plant. The issue was discovered during testing, and NBP staff are working to resolve the matter.
Event Notifications and Updates
None.
Actions from previous Commission meetings
None.

1.5 Other