



Canadian Nuclear
Safety Commission

Commission canadienne
de sûreté nucléaire

CMD 23-M13
File/Dossier # 6.02.04
e-Doc 6977628(PDF)

Status Report on Power Reactors

Rapport d'étape sur les centrales
nucléaires

This document summarizes the status of
the Power Reactor facilities as of
February 16, 2023.

Ce rapport résume le rapport d'étape sur
les centrales nucléaires en date du
16 février 2023.

Signed on / Signé le
2023-02-23

Alexandre Viktorov, Ph.D.
Director General, Directorate of Power Reactor Regulation
Directeur général, Direction de la réglementation des centrales nucléaires

This page intentionally left blank

1. Power Reactors Status as of February 16, 2023

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 Shut Down for Major Component Replacement (MCR).
Unit 7 is at Full Power.
Unit 8 is at Full Power.
Licensing
Power Reactor Operating Licence expires on September 30, 2028.
Comments
<p>Unit 6 Major Component Replacement (MCR) started in January 2020.</p> <ul style="list-style-type: none"> • MCR project is on schedule. • Installation of fuel channels has been completed. • Moderator refill has been completed. • Lower feeder installation in progress. • On February 2, 2023, Bruce Power has submitted the formal request to release the regulatory hold point to allow fuel load, which is currently under review by CNSC staff. Fuel load is expected for early May 2023.
Event Notifications and Updates
None.
Actions from previous Commission meetings
None.

1.2 Darlington

Operational Status
Unit 1 is Shut Down for Refurbishment
Unit 2 is at Full Power.
Unit 3 is Shut Down for Refurbishment.
Unit 4 is at Full Power.
Licensing
Power Reactor Operating Licence expires on November 30, 2025.

Comments
<p>Unit 1 refurbishment started in February 2022.</p> <ul style="list-style-type: none"> • Current critical path is calandria tube insert (CTI) removal • Adjustor absorber (AA) rod removal is in progress <p>Unit 3 refurbishment started in September 2020.</p> <ul style="list-style-type: none"> • Current critical path is through preparations for primary heat transport (PHT) fill • Primary moisture separator replacement is in progress • Turbine generator modifications in progress • In mid-April OPG is expected to submit the formal request to release the regulatory hold point to allow the removal of the Guaranteed Shutdown State.
Event Notifications and Updates
<p>OPG has informed CNSC staff that the Power Workers Union (PWU) are holding a strike vote with their members and the results will be counted on February 21, 2023. The CNSC requires OPG to have contingency plans in the event of a strike. The PWU strike vote also applies to other OPG facilities.</p>
Actions from previous Commission meetings
<p>None.</p>

1.3 Pickering

Operational Status
Unit 1 is at Full Power
Unit 2 is in a Safe Storage State.
Unit 3 is in a Safe Storage State.
Unit 4 is at Full Power.
Unit 5 is at Full Power.
Unit 6 is Shut Down for a planned maintenance outage.
Unit 7 is at Full Power.
Unit 8 is at Full Power.
Licensing
<p>Power Reactor Operating Licence expires on August 31, 2028. OPG requires Commission approval to operate PNGS beyond December 31, 2024.</p>
Comments
<p>Unit 6 is in a planned maintenance outage.</p>
Event Notifications and Updates

OPG has informed CNSC staff that the Power Workers Union (PWU) are holding a strike vote with their members and the results will be counted on February 21, 2023. The CNSC requires OPG to have contingency plans in the event of a strike. The PWU strike vote also applies to other OPG facilities.

On January 26, 2023, OPG reported to CNSC staff an event which occurred following a security training exercise. Further details of the event will be provided in a confidential Event Initial Report.

Actions from previous Commission meetings

Potassium Iodide (KI) Pill Working Group Update:

- On February 13, 2023, a Signatories meeting (Emergency Management Ontario (EMO), Ministry of Health, OPG and CNSC) was held, where EMO indicated all comments received from the Working Group on the KI Discussion Paper have been dispositioned. The KI Discussion Paper focuses on the Phase II objectives for the development of a strategy for emergency distribution of KI pills and examination of advisability of KI pill pre-distribution to all schools in the Ingestion Planning Zone.
- EMO will be sending the disposition of all comments to all Working Group members in the coming weeks.
- EMO is currently engaged with stakeholders, including the CNSC, to update the Provincial Nuclear Emergency Response Plan (PNERP) Master Plan in accordance with comments received on the KI Discussion Paper. Any updates to KI distribution will be reflected in the draft PNERP for public consultation this spring (anticipated for May 2023).

1.4 Point Lepreau

Operational Status
The unit is at Full Power.
Licensing
Power Reactor Operating Licence expires on June 30, 2032.
Comments
None.
Event Notifications and Updates
None.
Actions from previous Commission meetings
None.

1.5 Other

None.