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Status Report on Power Reactors

Rapport d'étape sur les centrales
nucléaires

This document summarizes the status of
the Power Reactor facilities as of
June 14, 2023.

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

Signed on / Signé le
2023-06-21

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Directeur général, Direction de la réglementation des centrales nucléaires

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1. Power Reactors Status as of June 14, 2023

1.1 Bruce A and B

Operational Status
Unit 1 is at Full Power.
Unit 2 is Shut Down for an unplanned maintenance outage.
Unit 3 is Shut Down for Major Component Replacement (MCR).
Unit 4 is at 73% of 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 3 Major Component Replacement (MCR) started in March 2023.</p> <ul style="list-style-type: none"> • MCR project is on schedule. • Bulkhead installation activities in progress. • PHT drain and dry activities in progress. <p>Unit 6 Major Component Replacement (MCR) started in January 2020.</p> <ul style="list-style-type: none"> • MCR project is on schedule. • Fuel load is complete. • PHT refill activities have begun.
Event Notifications and Updates
<p>Unit 2 is in an unplanned maintenance outage to address an instrument line leak on the heat transport system.</p> <p>Unit 4 is derated to 73% Full Power as a result of bulkhead installation taking place on Unit 3, which prevents the fueling machine from reaching unit 4. This is an operational issue only and there are no safety concerns.</p> <p>Note that CNSC staff are presenting two event initial reports (EIRs) to the Commission:</p> <ol style="list-style-type: none"> 1. CMD 23-M20, Bruce A Unit 4 Heat Transport Purification System Heavy Water Leak (Bruce Power will provide the Commission with a presentation on this topic via CMD 23-M20.1) 2. CMD 23-M24, Improper disposal of tritium-contaminated waste by Bruce Power
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"> • Refurbishment project is on schedule. • Current critical path is calandria tube installation • Upper and middle feeder installation is in progress • Primary moisture separator replacement is in progress • OPG is expected to submit the formal request to release the regulatory hold point to allow fuel load in May 2024 <p>Unit 3 refurbishment started in September 2020.</p> <ul style="list-style-type: none"> • Refurbishment project is on schedule. • Critical path is through low power testing • The second of 4 regulatory hold points has been removed on May 20, 2023, allowing OPG to proceed with the removal of guaranteed shutdown state and restart the refurbished Unit 3 reactor at low power for testing and verification.
Event Notifications and Updates
On May 31, 2023, the CNSC issued an administrative monetary penalty (AMP) of \$21,790 to Ontario Power Generation Inc. (OPG). The AMP was issued to OPG as a result of a failure to comply with a licence condition in relation to its security program at the Pickering and Darlington nuclear generating stations.
Actions from previous Commission meetings
None.

1.3 Pickering

Operational Status
Unit 1 is at 92 percent of Full Power.
Unit 2 is in a Safe Storage State.
Unit 3 is in a Safe Storage State.

Unit 4 is Shut Down for a planned maintenance outage.
Unit 5 is at 93 percent of Full Power.
Unit 6 is at Full Power.
Unit 7 is at Full Power.
Unit 8 is at Full Power.
Licensing
Power Reactor Operating Licence expires on August 31, 2028. OPG requires Commission approval to operate PNGS beyond December 31, 2024.
Comments
None.
Event Notifications and Updates
Units 1 and 5 are derated due to planned fuelling machine outages. Unit 4 is currently shut down for a planned maintenance outage. On May 31, 2023, the CNSC issued an administrative monetary penalty (AMP) of \$21,790 to Ontario Power Generation Inc. (OPG). The AMP was issued to OPG as a result of a failure to comply with a licence condition in relation to its security program at the Pickering and Darlington nuclear generating stations.
Actions from previous Commission meetings
Potassium Iodide (KI) Pill Working Group Update: <ul style="list-style-type: none"> • The CNSC is updating the KI Pill Working Group website with the revised approach for Phase II, and posting the final Phase I Report. • The next step for Phase II is for Emergency Management Ontario (EMO) to conduct their public review period of the updated Provincial Nuclear Emergency Response Plan (PNERP). EMO has not determined when public review of the updated PNERP will commence. • Once the public review of the updated PNERP commences, the CNSC will coordinate both a Working Group meeting and an Advisory Committee meeting to discuss the document in support of members submitting comments.

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

In June, the Federal Court released the results of its judicial review, whereby it upheld the requirements for pre-placement and random testing in REGDOC-2.2.4 Fitness for Duty, Volume II: Managing Alcohol and Drug Use Version 3.