



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

This document summarizes the status of
the Power Reactor facilities as of
January 12, 2023.

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

Signed on / Signé le
2023-01-19

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Directeur général, Direction de la réglementation des centrales nucléaires

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1. Power Reactors Status as of January 12, 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.
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"> • End fitting removal is in progress • Class III electrical maintenance is in progress <p>Unit 3 refurbishment started in September 2020.</p> <ul style="list-style-type: none"> • Current critical path is retube tooling platform removal • Primary moisture separator replacement is in progress. • Feeder lower body tubing is in progress.
Event Notifications and Updates
<p>OPG has informed CNSC staff that as of January 6, 2023, the Power Workers' Union (PWU) is in a legal strike position at the Darlington and Pickering Nuclear Generating Stations. The CNSC requires OPG to have contingency plans in place in the event of a strike. The PWU strike notice also applies to the Darlington Waste Management Facility (WMF), Pickering WMF, and Western WMF.</p>
Actions from previous Commission meetings
<p>None.</p>

1.3 Pickering

Operational Status
<p>Unit 1 is Shut Down for a planned maintenance outage.</p>
<p>Unit 2 is in a Safe Storage State.</p>
<p>Unit 3 is in a Safe Storage State.</p>
<p>Unit 4 is at Full Power.</p>
<p>Unit 5 is at Full Power.</p>
<p>Unit 6 is at 93% of Full Power.</p>
<p>Unit 7 is at Full Power.</p>
<p>Unit 8 is at Full Power.</p>
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 commencing a planned maintenance outage, and is currently at 93% of Full Power.</p>
Event Notifications and Updates
<p>OPG has informed CNSC staff that as of January 6, 2023, the Power Workers' Union (PWU) is in a legal strike position at the Darlington and Pickering Nuclear Generating Stations. The CNSC requires OPG to have contingency plans in place in the event of a strike. The PWU strike notice also applies to the Darlington Waste Management Facility (WMF), Pickering WMF, and Western WMF.</p>

Actions from previous Commission meetings
<p>Potassium Iodide (KI) Pill Working Group Update:</p> <ul style="list-style-type: none"> • Emergency Management Ontario (EMO) and Ontario Ministry of Health have drafted a discussion paper concerning 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. • Emergency Management Ontario (EMO) and Ontario Ministry of Health circulated the draft discussion paper to the KI Pill Working Group on December 15, 2022, with comments requested by January 13, 2023. • The Working Group met on January 10, 2023 to discuss the discussion paper in preparation for members to submit comments to EMO (January 13, 2023). • The discussion paper will inform changes to the Provincial Nuclear Emergency Response Plan, which will undergo a public review period anticipated for Spring 2023.

1.4 Point Lepreau

Operational Status
The unit is Shut Down.
Licensing
Power Reactor Operating Licence expires on June 30, 2032.
Comments
None.
Event Notifications and Updates
<p>On December 14, 2022, PLNGS experienced a partial Loss of Class IV power and a small coolant leak. The plant was safely shutdown, and the leak was identified and repaired.</p> <p>Further details of the event will be provided in an Event Initial Report.</p>
Actions from previous Commission meetings
None.

1.5 Other

None.