



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
October 28, 2020.

Ce rapport résume le rapport d'étape sur
les centrales nucléaires en date du
28 octobre 2020.

Signed on / Signé le
2020-10-28

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

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1. Power Reactors Status as of October 28, 2020**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 Shutdown.
Licensing
Power Reactor Operating Licence expires on August 31, 2028.
Comments
Unit 6 Major Component Replacement (MCR) started in January 2020. Primary Heat Transport drain and dry has been completed. Next step is to execute the fuel channel / feeder replacement.
Unit 8 shutdown on September 4, 2020 for a planned outage.
Event Notifications and Updates
Actions from previous Commission meetings
None.

1.2 Darlington

Operational Status
Unit 1 is at Full Power.
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
Unit 3 refurbishment started on September 3 rd . Core defuelling is in progress.
Event Notifications and Updates
None.
Actions from previous Commission meetings
None.

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 Shutdown.
Unit 5 is at 93% of Full Power.
Unit 6 is Shutdown.
Unit 7 is at Full Power.
Unit 8 is at 89% of Full Power.
Licensing
Power Reactor Operating Licence expires on August 31, 2028.
Comments
<p>Unit 5 is derated to 93% of Full Power due to a fueling deficit and the Fuelling Machine unavailability. Return to Full Power date to be determined.</p> <p>Unit 8 is derated to 89% of Full Power due to the failure of a Shutdown System (SDS) 2 Regional Over Power (ROP) detector. The detector was isolated and SDS 2 remains available. OPG plans to adjust trip set points to reinstate design margins before returning unit to full power, CNSC will be notified prior to OPG implementing any changes to the trip set points.</p> <p>Unit 4 shutdown August 11, 2020 for a planned outage.</p> <p>Unit 6 shutdown September 3, 2020 for a planned outage.</p>
Event Notifications and Updates
None.
Actions from previous Commission meetings
<p>Potassium Iodide (KI) Pill Working Group update:</p> <ul style="list-style-type: none"> The KI Pill Working Group held a meeting on September 2, 2020 to discuss the next steps and path forward on seeking concurrence on the draft Phase I report before moving to the public review phase. Taking into consideration member's involvement in the COVID response, members' agreed to a 60-day final review period for additional comments and concurrence on the draft Phase I report. Final comments by Working Group members on the draft Phase I report are expected to be submitted by November 2, 2020. The Working Group will be meeting in early November to discuss comments and seek concurrence on the draft Phase I report. Following concurrence on the draft Phase I report by all Working Group members, it will be translated and posted on the Working Group webpage for a 45-day public review period. (https://www.nuclearsafety.gc.ca/eng/resources/emergency-management-and-safety/potassium-iodide-pill-working-group.cfm)

1.4 Point Lepreau

Operational Status
The unit is Shutdown.
Licensing
Power Reactor Operating Licence expires on June 30, 2022.
Comments
PLNGS shutdown September 4, 2020 for planned outage.
Event Notifications and Updates
None.
Actions from previous Commission meetings
None.

1.5 Other

Power Reactor Regulatory Program (PRRP) COVID-19 Activities

Compliance

CNSC staff continue their oversight, by having access to the licensees Virtual Private Network (VPN), attending meetings and increasing their surveillance activities. Routine inspections have resumed at site, with subject matter expert support provided remotely.

To date CNSC staff have not identified any non compliances and conclude that licensee performance has been effective in controlling the spread of COVID-19 at the NPP's.

Licensing

Since the CNSC transitioned to working from home on March 16, 2020, DPRR has expanded its ability to undertake and complete licensing activities that were not considered critical at the outset of the COVID-19 pandemic. DPRR continues to ensure all licensing activities are completed in support of continued safe operation of all Canadian NPPs.

International Collaboration

CNSC management continues to collaborate internationally with other regulators including the Office for Nuclear Regulation (United Kingdom) and the United States Nuclear Regulatory Commission, and organizations such as the International Nuclear Regulators Association. CNSC staff also actively participate and manage regulatory OPEX through multi-national working groups such as the Nuclear Energy Agency's Working Group on Inspection Practices (WGIP).

Licensee COVID-19 Activities

Business Continuity Plan Status

All licensees have active business continuity plans (BCP) in effect. Licensees have protocols in place for responding to positive test results for their workers and report to CNSC regularly.