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Annual Compliance Monitoring Report

NPD Annual Compliance Monitoring Report for 2021

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Information Use

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EXECUTIVE SUMMARY

This annual compliance monitoring report for the 2021 calendar year has been prepared as per licence condition 5.1 of the Nuclear Power Demonstration Licence WFDL-W4-342.00/2034 and CNSC REGDOC-3.1.2, *Reporting Requirements, Volume I: Non-Power Reactor Class I Facilities and Uranium Mines and Mills* as a summary report of annual compliance monitoring and operational performance.

Canadian Nuclear Laboratories would like to acknowledge Canada's Indigenous Peoples and their traditional territories upon which Canadian Nuclear Laboratories (CNL) carries out its work. CNL also wishes to confirm its commitment to being an active participant in Canada's journey towards healing and reconciliation.

This unrestricted document provides CNL 2021 compliance monitoring and performance for Nuclear Power Demonstration (NPD) Waste Facility (NPDWF) based on the Canadian Nuclear Safety Commission's (CNSC) 14 Safety and Control Areas (SCA).

The following provides overall performance highlights for 2021 activities:

- All licensed activities continued to be carried out safely and securely;
- No worker at the facility received a dose in excess of any of the respective radiation dose limits for radiation workers, as defined in the Radiation Protection (RP) Regulations;
- No member of the public received a radiation dose that exceeded the regulatory limit;
- All releases of radioactive material in the facility effluents were below their respective derived limits;
- No radiation incidents occurred resulting in exceeding the action level or regulatory limits for the facility; and
- Health, Safety, Security and Environment (HSSE) policy implementation continued throughout the year.

In 2021, the Storage with Surveillance activities of the NPDWF was conducted in a manner that was safe, reliable and secure and in compliance with regulatory requirements.

CNL is committed to achieve high standards of operational safety and security. The information and data presented in this report support the conclusion that safe and secure performance is being achieved at the Nuclear Power Demonstration Waste Facility site, while enhancements are being implemented to further improve results.