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Supplementary Information

Response to Commission request for information received during the November 1st, 2023 Commission Meeting

Renseignements supplémentaires

Réponse à la demande d'information de la Commission reçue durant la réunion de la Commission du 1^{er} novembre 2023

Canadian Nuclear Laboratories

Regulatory Oversight Report for Canadian Nuclear Laboratories Sites: 2022 and Mid-Term Update of Licensed Activities for the Chalk River Laboratories Site

Laboratoires Nucléaires Canadiens

Rapport de surveillance réglementaire des sites des Laboratoires Nucléaires Canadiens : 2022 et Rapport de mi-parcours au sujet des activités autorisées sur le site des Laboratoires de Chalk River

Commission Meeting

Réunion de la Commission

November 1, 2023

1er novembre 2023

2023 November 10

Michael Young, Lead Commission Technical Officer
 Commission Registry
 Canadian Nuclear Safety Commission
 280 Slater Street
 P.O. Box 1046, Station B
 OTTAWA, Ontario K1P 5S9

Dear Mr. Young,

Response to Commission Request for Information Received during Canadian Nuclear Laboratories 2022 Regulatory Oversight Report Meeting

The purpose of this letter is to provide the Canadian Nuclear Safety Commission with the response to a request for information received from Commissioner Kahgee during the 2023 November 01 Commission meeting for Canadian Nuclear Laboratories' (CNL) 2022 Regulatory Oversight Report and Mid-term Update for Chalk River Laboratories (CRL) site.

During the public meeting, it was requested that CNL provide the Commission with the breakdown of external wastes received at CRL in 2022, including the percentage of waste that is Low-Level Waste (LLW) and Intermediate-Level Waste (ILW). As noted in CMD-23-M30 [1], the CRL site received a total of 111.6 m³ of radioactive waste from external organizations in 2022. This includes 45.6 m³ of commercial waste and 66 m³ of waste returned from off-site treatment of CNL waste (for example, ash from incineration). Of the 45.6 m³ of commercial waste received in 2022, 77% is classified as LLW and the remaining 23% is managed as ILW. The commercial waste CNL receives is from small waste generators including institutions such as hospitals and universities from across Canada. This service ensures that wastes are managed in a safe, secure, and environmentally-sound manner.

Additionally, during the meeting, it was noted that in 2021 the CRL site had received only 61.3 m³ of radioactive waste from external organizations in comparison to the 111.6 m³ received in 2022. The variability of waste volume received from external organizations in 2022 versus 2021 is within the range typically observed. For example, as noted in the Annual Compliance Monitoring Report for CNL for 2022 [2], the CRL site had received 255.8 m³ in 2020 from external organizations. The waste volumes received from external organizations remain small in comparison to the waste volume CNL manages from the CRL site operations and decommissioning activities (i.e., ~5% of total volume managed).

Please do not hesitate to contact me should you require any further information.

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Sincerely,



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References:

- [1] *Regulatory Oversight Report for Canadian Nuclear Laboratories Sites: 2022*, CMD-23-M30, 2023 August 02.
- [2] *Annual Compliance Monitoring Report for CNL for 2022*, 145-00583-ACMR-2022, 2023 April 28.

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