

MARCH 18, 2025 · 8 MIN READ

Nuclear Waste Management Facility Performance Report - Q4 2024 Results

Performance update

As part of our commitment to keep you informed, this report tracks performance for Ontario Power Generation (OPG)'s Nuclear Waste Management Facilities in the areas of safety, operations, and the environment. It also summarizes significant accomplishments achieved during the fourth quarter of 2024.

OPG operates three nuclear waste facilities in Darlington, Pickering and Bruce County. Used fuel is removed from the reactors and cooled inside the station's fuel bay. Low and Intermediate Level waste is processed and then stored at OPG's Western Waste Management Facility.



Safety

Total Reportable Injury Frequency (TRIF)

TRIF is a measure of the number of injuries involving OPG employees that result in a fatality, lost time, requiring restricted work or requiring medical treatment per 200,000 hours worked. The current 12 month rolling average for TRIF sits at 0.0, below the year-to-date target of 0.47. The year-end target is not to exceed 0.47.



0.0 TRIF

Transportation Safety

The transportation of waste to our Western facility from Darlington, Pickering and Bruce Power is managed by experienced and skilled drivers. During Q4, all shipments were made safely and accident-free and the fleet travelled 140,316 additional kilometres. A total of 603,892 kilometres were travelled in 2024.



0.0 incidents

Environment

Spills to the environment

In this quarter, there were no spills to the environment at our waste facilities that were reportable to a regulatory authority. For detailed environmental information, please refer to the environmental data reports available on our [Regulatory Reporting page](#).



0 spills

Operational Performance

Pickering Waste Management Facility (PWMF)

A total of 10 Dry Storage Containers (DSC) were transferred in Q4, which totals 80 of the 80 year-end transfer target for 2024



PWMF - 80

Darlington Waste Management Facility (DWMF)

A total of 17 Dry Storage Containers (DSC) were transferred during Q4, totalling 57 and meeting the 2024 year-end transfer target of 57.



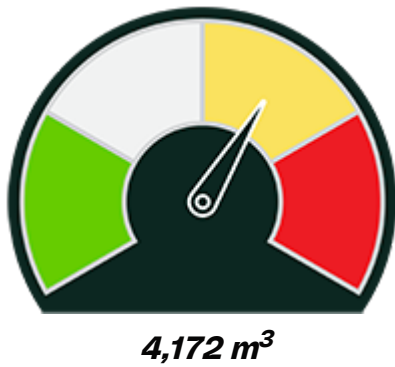
DWMF - 57

Western Waste Management Facility (WWMF)

A total of 28 Used Fuel Dry Storage Containers (DSC) were transferred in Q4, totalling 115, surpassing the 2024 year-end transfer target of 110.



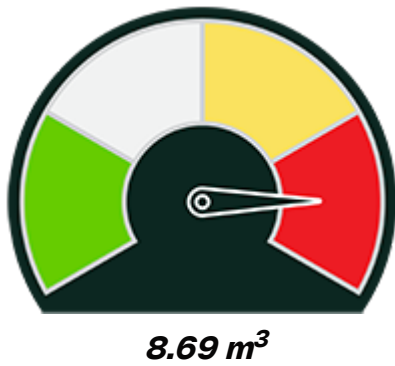
WWMF - 115



Waste Minimization

Solid waste

In Q4, a total of 4,172 cubic metres of low-level waste was processed through incineration. This was below the year-to-date target of 5,795 cubic metres. The goal was to process 5,795 cubic metres by year-end.



Liquid waste

In Q4, a total of 8.69 cubic metres of liquid waste was processed through incineration. This was below the year-to-date target of 25 cubic metres. The goal was to process 25.0 cubic metres of liquid waste by year-end.

Questions?

Please contact Jennifer Knox, Director - Nuclear Stakeholder Relations, through the form below.

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