

MARCH 19, 2024 · 8 MIN READ

Nuclear Waste Management Facility Performance Report - Q4 2023 Results

Performance update

As part of our commitment to keep you informed, this report tracks performance for Ontario Power Generation'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 2023.

Ontario Power Generation operates three nuclear waste facilities across the province located in Darlington, Pickering & Bruce County. Spent fuel taken from the reactors is stored at each facility locally after it has been cooled for 10 years. Low and intermediate level materials are stored at OPG's Western Waste Management Facility.

Safety

Total Reportable Injury Frequency (TRIF)



0.15 TRIF

TRIF is a measure of the number of injuries involving OPG employees that result in a fatality, lost time, restricted work or medical treatment per 200,000 hours worked. The Year-to-date TRIF is reported at 0.15 which is below the year-to-date target of 0.23.

Transportation Safety



0.0 incidents

The transportation of waste to our Western facility from Darlington, Pickering and Bruce Power is managed by experienced and skilled drivers. In this quarter, all shipments were made safely and accident-free. The fleet safely travelled 137,918 additional kilometres and marked over 6.2 million kilometres safely travelled to-date.

Environment

Spills to the environment



1 spill

There were no spills to the environment at our facilities that were reportable to a regulatory authority. There was one minor environmental event which occurred in Q1, which was reported to the regulatory authority. Despite this one reportable event, the total number of events for the year was still below the year end target of 2.0. For detailed environmental information, please refer to the environmental data reports available on our [Regulatory Reporting page](#).



PWWMF - 70/70

Operational Performance

Pickering Waste Management Facility (PWWMF)

A total of 70 Dry Storage Containers (DSC) were transferred up to the end of Q4 which totals 70 of the 70 year-end transfer target.



DWWMF - 57/57

Darlington Waste Management Facility (DWWMF)

A total of 57 Dry Storage Containers (DSC) were transferred up to the end of Q4 which totals 57 of the 57 year-end transfer target.



WWMF - 113/110

Western Waste Management Facility (WWMF)

A total of 113 Used Fuel Dry Storage Containers (DSC) were transferred up to the end of Q4 totalling 113 of the 110 year-end transfer target, exceeding the yearly target set out for the facility.



5,169.1 m³

Waste Minimization

The incinerator processed a total of 5,169.1 cubic metres of low-level waste up to the end of Q4. This was lower than the year end target of 5,691 m³.

Questions?

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