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Nuclear Waste Management Facility Performance Report – Q2 2024 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 first quarter of 2024.

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

0.0 TRIF

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 TRIF sits at 0.00. The year-end target is not to exceed 0.47. OPG measures TRIF using a 12-month rolling average, rather than quarterly updates.

0.0 incidents

Transportation Safety

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 and the fleet safely travelled 170,700 additional kilometres. By the end of June over 6.7 million kilometres have been safely travelled to date.

Environment

0 spills

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.

Operational Performance

PWMF - 27

Pickering Waste Management Facility (PWMF)

Pickering Waste Management Facility: A total of 27 Dry Storage Containers (DSC) were transferred up to the end of Q2 which totals 42 of 80 year-end transfer target, keeping the facility on track to meet this target.

DWMF - 13

Darlington Waste Management Facility (DWMF)

Darlington Waste Management Facility: A total of 13 Dry Storage Containers (DSC) were transferred up to the end of Q2 which totals 26 of 57 year-end transfer target keeping the facility on track to meet this target.

WWMF - 24

Western Waste Management Facility (WWMF)

Western Waste Management Facility: A total of 24 Used Fuel Dry Storage Containers (DSC) were transferred up to the end of Q2 totalling 55 of 110 year-end transfer target.

1,480 m³

1.25 m³

Waste Minimization

Solid waste

In Q2, through incineration a total of 1,480 cubic metres of low-level solid waste was processed. This was below the year-to-date target, of processing 2,533 cubic metres. The goal is to process 5,795.00 cubic metres by year end.

Liquid waste

In Q2, through incineration, a total of 1.25 cubic metres of liquid waste was processed. This was below the year to date target of 11.0 cubic metres. The goal is to process 25 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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