



Nuclear Sustainability Services Performance Report – Q1 2022 Results

Performance update

As part of our commitment to keep you informed, this report tracks performance for OPG’s Nuclear Sustainability Services facilities in the areas of safety, operations, and the environment. It also summarizes significant accomplishments achieved during the first quarter of 2022:



1.97 TRIF

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, restricted work or medical treatment per 200,000 hours worked. Q1 TRIF is at 1.97. The year-end target is not to exceed 0.13.



0.0 incidents

Transportation Safety

Experienced and skilled drivers manage the transportation of waste to our Western facility from Darlington, Pickering and Bruce Power. In this quarter, all shipments were made safely and accident-free and the fleet safely travelled 153,654 additional kilometres marking over 6.0 million kilometres safely travelled to-date.

**0 spills**

Environment

Spills to the environment

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](#).

**32 DSC**

Operational Performance

A total of 32 Used Fuel Dry Storage Containers (DSC) were transferred up to the end of Q1, coming in above the target of 30. The year-end target is to meet 110 DSC's transferred.

**623.3 m³**

Waste Minimization

Through incineration and compaction, a total of 623.3 cubic metres (m³) of low-level waste was processed. This was above the year-to-date target of processing 497 m³. The year-end goal is 1,796 m³ processed.

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Innovation Research Series: Energy-saving cooling system for used fuel

The CCNS and Framatome have entered into a Collaboration Research Agreement to explore alternative solutions for cooling used nuclear fuel.



Innovation Research Series: Liquid- waste processing systems and reducing waste

OPG's CCNS and Westinghouse have entered into a Collaboration Research Agreement to study techniques to minimize and reclassify nuclear by-products.



Canadian nuclear leaders collaborate on nuclear decommissioning

OPG's Centre for Canadian Nuclear Sustainability, Canadian Nuclear Laboratories and SNC-Lavalin have signed a collaboration agreement.

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