

# Performance Report for Nuclear Waste Management

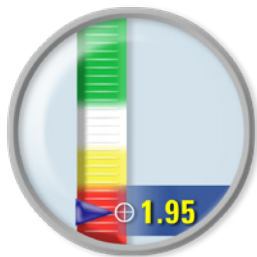
## Performance Update

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 2020.

### Safety

#### Total Reportable Injury Frequency (TRIF)

TRIF is a measure of the number of injuries involving OPG employees that result in a fatality, a lost time, requiring restricted work or requiring medical treatment per 200,000 hours worked. During the first quarter, an injury occurred placing the TRIF at 1.95. Corrective actions were put in place to prevent re-occurrences. The year end target was set at 0.20.



#### 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 safety traveled 80,280 additional kilometres. At the end of March 2020, 5.0 million kilometres were safely traveled.



### Environment - Spills to the Environment

This quarter our waste facilities experienced no spills to the environment that were reportable to a regulatory authority. For detailed environmental information, please refer to the environmental data reports available on [www.opg.com](http://www.opg.com) under Reporting.



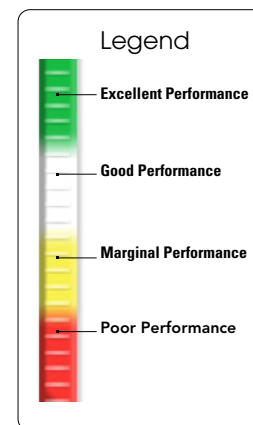
### Operational Performance

A total of 54 used fuel Dry Storage Containers (DSC) were processed up to the end of Q1. This was 2 below the first quarter goal of 56. Due to COVID-19, Pickering and Darlington suspended operations beginning mid-March, and Western staff were placed on staggered shifts. As a result, year-end projections have been adjusted from 217 down to 200 DSCs.



### Incinerator Performance

In Q1 the compactor and incinerator processed 609 cubic metres of low level solid waste, well above a year to date target of 531. Due to COVID-19 a planned incinerator outage will be extended from April to July resulting in the reduction of year-end projections to 1,191 from 1,791 cubic meters of nuclear waste.



## About OPG's Nuclear Waste Management

OPG's Nuclear Waste Management (NWM) manages three sites. The Western Waste Management Facility (WWMF) in Bruce County receives and manages the low- and intermediate-level waste for Darlington, Pickering and Bruce Power nuclear stations. Low-level waste is volume reduced through incineration or compaction. Used-fuel Dry Storage Containers are managed at facilities located at Pickering, Darlington and WWMF.



Kincardine Minor Hockey



Big Brothers Big Sisters



Pickering storage building foundation completed

The following summarizes items of interest or milestones achieved by Nuclear Waste Management and across OPG:

### Nuclear Waste Operation

- Saugeen Ojibway Nation (SON) members voted not to support the Deep Geologic Repository (DGR) project for low- and intermediate-level waste. OPG will uphold its 2013 commitment not proceed with the DGR at the Bruce site, without SON support. OPG is now moving forward to explore alternate solutions. Any new process will include engagement with Indigenous peoples, as well as interested municipalities.
- In response to COVID-19, NWM made the decision to temporarily stand-down used fuel dry storage operations at Darlington and Pickering to the end of April. This was possible since there was sufficient capacity in the station fuel bays without affecting the station's ability to continue operating; and due to the need to reduce the number of staff on site.
- Construction of the fourth PWWF Storage Building for Used Fuel (UF) continued to complete laying the foundation and the erection of steel. At the WWMF, work progressed on: building Used Fuel Storage Building five and six; supporting incinerator operation and completing critical maintenance and inspection requirements.

### OPG News

- At the end of March, construction on Darlington's Unit 2 Refurbishment project was completed. This was a team effort, with the support of government; hundreds of suppliers providing goods and services; refurbishment staff, vendor partners and union trade members; and support from OPG and station staff.
- OPG initiated a company-wide response to the COVID-19 pandemic to ensure the safety of employees and contractors, while supporting the reliable operation of plants. Activations of OPG's Infectious Disease Incident Response Team and Crisis Management Communications Centre took place to meet situations that would arise.

- Nuclear focused on the operating units and the safe return of Darlington Unit 2 and Pickering Unit 1 from outages. The decision was made to postpone Darlington Unit 3 refurbishment. Nuclear stopped most project work at all sites, which removed over 1,000 staff from the site and supported public health guidelines around social distancing.
- OPG and Hydro One formed the Ivy Electric-Vehicle Charging Network to create a province wide fast-charger network for electric vehicles. The Network will have 160 Level 3 fast chargers at 73 locations throughout Southern, Eastern and Western Ontario.
- The Canadian Nuclear Safety Commission sought public input on an Environmental Assessment for construction and operation of the first Small Modular Reactor in Canada. Global First Power, with support from OPG and Ultra Safe Nuclear Corporation, is proposing to construct and operate a 15MW thermal (up to 5MW electrical) commercial demonstration reactor at the Chalk River site near Ottawa.
- OPG grew with the acquisition of Cube Hydro in the U.S. and the purchase of the remaining 50 per cent interest in Brighton Beach Generating Station (GS). OPG also reached an agreement to expand production of life-saving Cobalt-60 isotopes to Darlington Nuclear.

### In the Community

During this quarter, NWM provided tours to three groups and held four information-sharing meetings with Bruce County's First Nations, Métis, and community, municipal and provincial representatives. In response to the DGR vote, 16 media inquiries and 24 stakeholder and government related calls were completed. The Western site supported 24 community initiatives in Bruce County such as the International Women's Day event, Kincardine Minor Hockey, Southampton's Rotary Winterama, Bruce County Museum & Cultural Centre's Family Heritage Day and Big Brothers Big Sisters.