

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 third quarter of 2016.



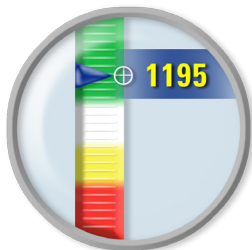
Environment - Spills to the Environment

Our waste facilities experienced no spills to the environment this quarter that were reportable to a regulatory authority. The year-to-date total remains at zero. For detailed environmental information, please refer to the environmental data reports available on www.opg.com under News and Media.



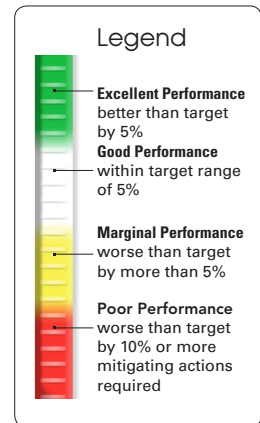
Used Fuel Dry Storage Performance

A total of 173 used fuel Dry Storage Containers were processed up to the end of this quarter at all three waste facilities. This was below the goal of 176. Recovery plans are in place to meet year-end commitment of 223.



Incinerator Performance

The incinerator performance continued to show improvement into this quarter. It processed 1,195 cubic meters of solid waste, exceeding the goal of 1,043 for this point in the year and well on its way to meet the year-end volume reduction target of 1,243 cubic meters.



Safety

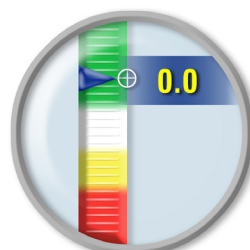
Employee All Injury Rate

The All Injury Rate (AIR) measures the number of workplace injuries per 200,000 hours worked. During the third quarter, our AIR was zero – which is excellent performance and well below the year-end target of 0.24. Our waste facility employees have worked five and a half years without a lost-time accident.



Transportation Safety

The transportation of waste to our Western facility from Darlington and Pickering is managed by experienced and skilled drivers. In this quarter, all shipments were made safely and accident-free. The fleet safely travelled just over 60,000 additional kilometers for a total of 3.71 million kilometers safely travelled since our last preventable accident in 2003.



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 at Pickering, Darlington and the WWMF.



Saugeen Ojibway Nation tour



Historic Saugeen Métis Rendezvous



Kincardine Scottish Festival and Highland Games

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

Nuclear Waste Management

- Laurie Swami, OPG's Vice President of Nuclear Waste Management, recently retired from OPG and moved on to take on the role of CEO at the Nuclear Waste Management Organization. Lise Morton, previously the Director of Low & Intermediate Level Waste at the WWMF, assumes the position of Vice President. Lise has more than 26 years' experience in the nuclear industry with 18 years in Nuclear Waste Management. Lise brings a broad knowledge of the nuclear waste business to the organization for its anticipated growth and continual improvements in performance.
- Pickering Waste Management Facility achieved 22 years without a lost time accident. Pickering employees have demonstrated world-class performance by working without a lost-time accident since the facility was placed in service in 1994.
- The Canadian Nuclear Safety Commission (CNSC) will hold a public hearing on April 11 and 12, 2017 to consider OPG's application for licence renewals for Pickering (PWF) and Western Waste Management Facility's (WWMF). The CNSC is offering funding to assist the public in participating in the hearing process. The deadlines for submitting the application forms: October 30, 2016, for WWMF and December 9, 2016, for PWF. For more information visit the WWMF or PWF Licence Renewal websites at opg.com.

- OPG continues with discussions with Indigenous communities on the proposed Deep Geologic Repository (DGR) for low- and intermediate-level waste (and waste related issues). Working together through information-sharing activities, tours and discussions, the community is gaining a better understanding about the WWMF. This year six groups from the Saugeen Ojibway Nation toured the WWMF, and the warehouse where rock core samples are stored.

Darlington Refurbishment: Now Underway!

- This fall, Ontario Minister of Energy Glenn Thibeault joined the OPG team in Clarington to officially launch Darlington Refurbishment — the largest clean-energy project in Canada. The refurbishment at Darlington will directly inject \$15 billion into Ontario's GDP and support up to 11,800 jobs across the province. For more information about Darlington Refurbishment, please visit www.opg.com/darlingtonrefurb.

In the Community

- NWM provided tours to 10 groups and held numerous meetings with the First Nation, Métis, and municipal, federal and provincial officials. The WWMF site through the Corporate Citizenship Program supported 14 community initiatives in Bruce County such as: Wild for the Arts, Historic Saugeen Métis Rendezvous, Kincardine Community Living Beachside Run, Kincardine Scottish Festival and Highland Games, Brockton's Busker Festival, Lighthouse Blues Festival, Friends of MacGregor Provincial Park Nature Series Program and the Paisley, Teeswater and Kincardine Fall Fairs.