

# Performance Report for Decommissioning & 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 during 2015.



### Environment - Spills to the Environment

Our waste facilities experienced no spills to the environment in 2015 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 News and Media.



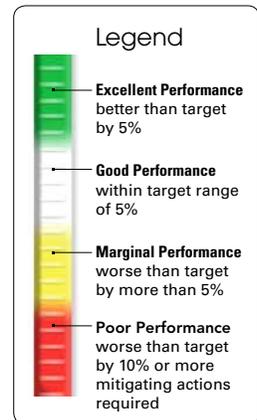
### Operational Performance

A total of 228 used fuel Dry Storage Containers were processed up to the end of December, which is eight above the year-end target of 220.



### Incinerator Availability - per cent of time operating

To the end of the fourth quarter, the incinerator processed 499 cubic meters of solid waste and 16 cubic meters of liquid waste. While liquid waste incineration did not meet the year end target of 33 cubic meters, solid waste incineration exceeded the year-end target of 490 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 fourth quarter, the AIR was zero, well below the year-end target of 0.69. Our employees have worked over four 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 Q4, all shipments were made safely and accident free and the fleet safely traveled just over 23,500 additional kilometers. At the end of December, this brings us to 3.45 million kilometers safely traveled.



## About OPG's Decommissioning and Nuclear Waste Management

OPG's Decommissioning and Nuclear Waste Management (DNWM) 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 the WWMF.



Kincardine Food Bank



Port Elgin Pumpkinfest



Sulphur Springs Christmas in the Country

Keeping you informed about milestones and items of interest achieved by DNWM and across OPG:

### OPG's Deep Geologic Repository Project Update

After 14 years of study and consultation, a federal Joint Review Panel (JRP) has recommended the federal government approve OPG's proposed Deep Geologic Repository (DGR) for Ontario's low and intermediate level nuclear waste. The Environmental Assessment (EA) report, issued in May 2015 to the federal Minister of the Environment and Climate Change, concludes the Great Lakes, the environment and the public will remain protected and that the construction of the DGR happens now not later.

On February 18, 2016, the federal Minister requested OPG to conduct further technical, environmental and economic studies into its proposed DGR. The Minister has requested three studies:

- An updated analysis of potential combined environmental effects of the OPG low and intermediate level DGR site and a potential Nuclear Waste Management Organization site located close to the proposed DGR site.
- An updated list of OPG's commitments to mitigate any identified effects from the project.
- A study into the environmental effects of alternate sites.

OPG understands the sensitivity of decisions around nuclear waste and respects the Minister's request for further information to inform a science-based decision.

OPG maintains that a deep geologic repository is the right answer for Ontario's low and intermediate level waste, and that the Bruce site is the right location. OPG is confident that further studies will confirm this. The local communities remain supportive of the project, and OPG is committed to ongoing work with the Saugeen Ojibway Nation. On approval of the EA, the JRP would make a decision on the application for a licence to prepare the site and construct the DGR. For additional information about the DGR project and to read the JRP report, please visit [www.opg.com](http://www.opg.com)

### OPG News

- The Canadian Nuclear Safety Commission gave Darlington Nuclear a ten year operating licence valid from Jan. 1, 2016 until Dec. 31, 2025. This is the longest licence ever granted to a Canadian nuclear power plant. The term reflects the strong performance of the station and the preparations OPG has made for refurbishment.
- In October OPG, the City of Toronto and Region of Durham completed delivery of KI pills to 200,000 homes and businesses within 10 km of the Pickering and Darlington stations. It was the biggest mass pre-distribution of KI pills in the world.

### In the Community

In 2015, DNWM provided tours to 42 groups and held 67 information-sharing meetings with First Nations, Métis, municipal, federal and provincial officials. The Western site supported 98 community initiatives in Bruce County such as Port Elgin's Pumpkinfest, Kincardine Trails, and Brockton Soccer Park. Holiday events supported five Santa Claus parades, Christmas in the Country, Tiverton Christmas Tree Lighting, and three local food banks.