

# Performance Report for Nuclear Waste Management

2013 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 outlines significant accomplishments achieved during 2013.



### Environment - Performance Index

Our waste facilities continued to demonstrate exceptional performance. No environmental infractions or major or moderate spills to the environment were recorded. The incinerator flue gases, monitored for radiological and conventional emissions, were well below regulatory limits. The target for the year was not to exceed one environmental infraction.



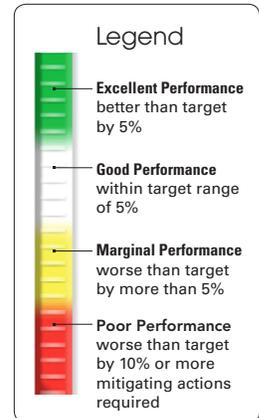
### Operational Performance

A total of 241 used fuel dry storage containers (DSC's) were processed across all facilities in 2013. This total is one DSC above the target of 240.



### Waste Volume Reduction

Waste sorting and segregation occurs at the stations. As a result of ongoing efforts to minimize waste, last year, the Western Waste Management Facility was well below the target of 213, producing 123 cubic meters of waste. This is considered excellent performance.



## 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 our AIR was 0.50, which was excellent and well below the year-end target of 0.89 (lower is better). Our employees have worked for over two years, or one million hours, since the last lost-time accident.



### Transportation Safety

The transportation of waste to Western from Darlington and Pickering is managed by experienced and skilled drivers. In 2013 all shipments were safely made – accident free. Our drivers in 2013 met a new milestone of travelling more than 3 million kilometres safely. This is the equivalent of travelling around the world 75 times.



## About OPG's Nuclear Waste Management Division

OPG's Nuclear Waste Management Division 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. At this facility, low level waste is received and its volume reduced through incineration or compaction. Facilities that manage interim Used Fuel Dry Storage containers are located at Pickering, Darlington and at the WWMF.



Kincardine Christmas Parade



OPG Environment Tent at Pumpkinfest



Port Elgin Food Bank

Keeping you informed about milestones and items of interest achieved by the Nuclear Waste Management Division and across Ontario Power Generation:

### OPG's DGR Project

- The DGR hearing concluded Oct. 30, 2013 and OPG successfully responded to all undertakings received from the Joint Review Panel (JRP) during the public hearing. OPG is currently working on providing information on four additional requests from the JRP. Once the Panel believes they have all necessary information to carry out their duties, the public registry will close. The panel will then have 90 days to prepare a report for the Federal Minister of Environment who will have 120 days to make a final decision. To find out more about the project, please visit our new website at [www.opgdgr.com](http://www.opgdgr.com).

### Nuclear Waste Management

- The overall safety performance in 2013 was excellent and as a team we worked over 1050 days without a lost time accident.
- Major accomplishments included: 241 dry storage containers safely stored at our dry storage facilities; 3,915m<sup>3</sup> of low and intermediate level waste was transported, processed and stored; two new used-fuel storage buildings at the WWMF were commissioned; and OPG maintained the Wildlife Habitat Council certification for the biodiversity program.
- Under licensing initiatives, Darlington Waste Management Facility received a 10-year licence renewal, and the submission and application for the Bruce Heavy Water Plant licence for abandonment was made and subsequently approved early in 2014.
- At the WWMF two additional low-level storage buildings were added to the 12 currently on site and an additional 54 in-ground structures, to hold intermediate-level waste were installed.

- Development and implementation of a robust plan to improve the performance of the incinerator was completed.. This is part of a three-year reliability plan to improve equipment reliability and increase online performance. This will continue to ensure the equipment runs reliably and safely with no impacts to the environment.

### In the Community

- Employees and pensioners generously contributed more than \$1.6 million through payroll deduction, and a further \$75,765 was raised through special events, for various charities throughout the Province.
- OPG continues to communicate to various groups and the public about our operations. During 2013 we provided: tours to 52 groups at our sites; newsletters on OPG operations and the DGR to Bruce County residents; presentations on our transportation program; and numerous stakeholder meetings were held with various municipal, federal and provincial officials and the public. Through participation agreements on the DGR project, OPG worked collaboratively with the Saugeen Ojibway First Nation, the Historic Saugeen Métis and the Métis Nation of Ontario Region Seven to identify issues and concerns. As well as updating our web site and running community advertising, the Western site supported 80 worthwhile community initiatives in Bruce County such as: the Kincardine Scottish Festival and Highland Games; the Port Elgin Pumpkinfest; the Bruce County Museum and Cultural Center; Community Living Kincardine; the Saugeen Valley Conservation Authority; the Saugeen First Nations Toy Drive; the Kincardine and Port Elgin Food Banks; and the Kincardine, Port Elgin and Southampton Christmas Parades.