

# Performance Report for Nuclear Waste Management

Q3 2013

July 1 to September 30, 2013

## 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, environmental performance and significant accomplishments achieved during the third quarter of 2013.



### Environment - Performance Index

During this period our waste facilities continued to demonstrate exceptional performance. No environmental infractions or major or moderate spills to the environment were recorded. The target for the year is not to exceed one environmental infraction.



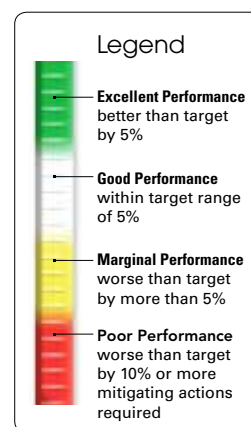
### Operational Performance

The management of used fuel Dry Storage Containers (DSC's) in the third quarter brought the total of DSC's processed across all facilities to 183. This number is slightly below the target of 186. We remain on track to achieve our year-end target of processing 240 DSC's.



### Waste Volume Reduction

Waste sorting and segregation occurs at the stations and OPG works to continually identify opportunities for waste minimization. At the Western Waste Management facility, up to this quarter, 99 cubic meters of waste was produced. This is well below the target of 186 for this point in the year, which is excellent performance in reducing overall volume of waste generated.



## 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 was excellent and well below the year-end target of 0.89 (lower is better). Our employees have worked for over two years 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 this period all shipments were safely made – accident free. The preventable collision rate, which is a factor of the number of safe trips over 1.6M was zero. This means that over the last 1.6 million kilometers traveled there have been no preventable collisions. The target for the year is not to exceed 0.7.



## About OPG's Nuclear Waste Management Division

OPG's Nuclear Waste Management Division (NWMD) 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 waste is received and volume reduced through incineration or compaction. Facilities to manage interim Used Fuel Dry Storage containers are located at Pickering and Darlington and at the WWMF.



Over 200 presenters attended the Deep Geologic Repository public hearing.



Participants at Wild for the Arts

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

### The Public Hearing for OPG's DGR Project Concludes

This past fall in Bruce County, a Joint Review Panel (JRP) hosted public hearings into OPG's proposal for a deep geologic repository (DGR) for low and intermediate-level waste. The hearing assessed OPG's application for a licence to prepare the site, and plan to construct the DGR. Over the course of the 25 days of hearings, the JRP heard numerous presentations from OPG, the Canadian Nuclear Safety Commission, and Federal and Provincial agencies on the safety case of the project along with over 200 presentations made to the panel by interveners. Thanks to all who participated and provided input to the process.

Once the panel believes they have all necessary information to carry out their duties, the public registry will close, at which time the panel will then have 90 days to prepare a report for the Federal Minister of Environment who will then 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

- After weeks of planning and preparations, the WWMF incinerator was taken off-line September 27 for a planned outage. The planned outage is part of a three-year reliability plan to improve equipment reliability and increase online performance. During the eight week outage, staff will work to complete 378 separate tasks. This work is a critical step towards ensuring the equipment runs reliably and safely with no impacts to the environment.

- One of the key principles of managing radioactive waste is to minimize the generation of radioactive waste as much as possible. In order to help achieve our waste reducing objectives, Nuclear Waste Management Facilities implemented a Likely Clean Program. This program helps minimize the volume of waste created during day-to-day operations at our nuclear facilities, also ensuring that all levels of waste are as low as reasonably achievable.

### OPG News

- OPG President and CEO Tom Mitchell received the 2013 Ian McRae Award of Merit at the Canadian Nuclear Society's annual conference in June. Established in 1976, the award honours individuals who have made substantive contributions, to the advancement of nuclear energy in Canada.

### In the Community

- OPG continued to support community initiatives in Bruce County through its Corporate Citizenship Program. During this period some of the arts supported included; Kincardine's Bluewater Playhouse, Sundown Theatre, Kincardine Summer Music Festival, Southampton Summer Music program and MacGregor Provincial Park's Wild for the Arts, where campgrounds became galleries for local artists, artisans, musicians and writers. OPG continued its support of the Grey Bruce Children's Water Festival and various sporting and fundraising activities such as; Port Elgin's Beach Volleyball tournament, Grey Bruce Falcons charity fun run, and Kincardine and Area Big Brothers, Big Sisters annual mini putt tournament.