

# Performance Report for Decommissioning & Nuclear Waste Management

## Performance Update

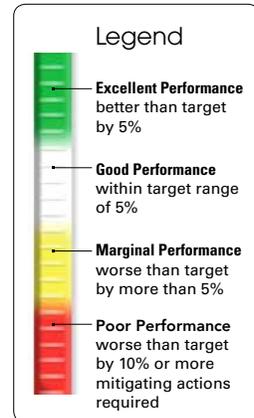
Keeping our community informed of OPG's activities is our commitment to you. This report tracks performance for Ontario Power Generation's Nuclear Waste Management Facilities in the areas of safety, operations, the environment, as well as significant accomplishments achieved during the third quarter of 2014.



### Environment - Spills to the Environment

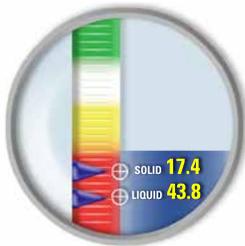
During the third quarter, no spills to the environment occurred at our waste facilities that were reportable to a regulatory authority. There has been one Category C (less serious) spill for the year-to-date.

For detailed environmental information please refer to the Environmental Emissions data reports available on [www.opg.com](http://www.opg.com)



### Operational Performance

All three sites have processed a total of 175 used fuel dry storage containers (DSC) year to date, which is one above target. The facilities are positioned well to meet the year-end target of 220 DSCs safely processed and stored.



### Incinerator Availability - per cent of time operating

Since the beginning of 2014, the facility's incinerator was able to burn liquid nuclear waste 43.8 per cent of the time and solid waste 17.4 per cent of the time. This is below the Q3 targets of 53.9 per cent and 50 per cent respectively. The impact in performance is due to equipment maintenance shutdowns. To improve equipment reliability and increase working performance, a three-year reliability plan is in place. Recently, a maintenance outage for the incinerator was completed safely, on time and on budget.

## 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 0.71, which is below the year-end target of 0.89 (lower is better). Our employees have worked more than three years without a lost-time accident.



### Transportation Safety

The transportation of waste from Darlington and Pickering nuclear stations to the Western Waste facility is managed by experienced and skilled drivers. In this period all shipments were made safely and accident free. In this quarter, the fleet safely traveled an additional 400 trips and 63,000 additional kilometers. At the end of September, this brings us to 3.2 million kilometers safely traveled.



Do you have any questions about our performance results? If so, please give us a call at 519-361-6414 x2764 or drop us a line [nwmd@opg.com](mailto:nwmd@opg.com).

# Performance Report for Decommissioning and Nuclear Waste Management

## About OPG's Decommissioning and Nuclear Waste Management Division

OPG's Decommissioning and 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 is reduced through incineration or compaction. Facilities that manage interim used fuel dry storage containers are located at Pickering, Darlington and at the WWMF.



Inverhuron Mountain Bike Bonanza



Top: Port Elgin's New Community Living Building  
Bottom: Discovery Western Summer Camp



Kincardine Scottish Festival Highland Games

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

### Decommissioning and Nuclear Waste Management

OPG's Decommissioning and Nuclear Waste Management group is responsible for managing and implementing:

- Regulatory strategies for nuclear and nuclear refurbishment
- Long term liability and decommissioning estimates for all of OPG's nuclear facilities
- Low and intermediate level waste and the Deep Geologic Repository
- And oversight of the Nuclear Waste Management Organization's – or NWMO's - used fuel adaptive phased management.

Laurie Swami, a long time employee of OPG is the group's Senior Vice President.

### Update on the DGR

The second hearing for OPG's proposed Deep Geological Repository (DGR) project for low and intermediate level waste is now complete. The public hearing, which took place on the first weeks in September, gave participants, the Canadian Nuclear Safety Commission and OPG the opportunity to thoroughly review and provide comments on new information requests issued by the Joint Review Panel (JRP) following the first set of hearings in October 2013.

The JRP has reviewed the presentations and obtained all of the information it needs, and made the decision to close the public registry on November 18. No further information will be accepted. The JRP will now prepare an environmental

Assessment (EA) report. The JRP will submit its EA report to the federal Minister of the Environment outlining its conclusions, rationale and recommendations by May 6, 2015. The Federal Minister of the Environment will then have 120 days to render a decision. This decision is expected in 2015.

### OPG News

- This past April, OPG burned its last piece of coal to make electricity. By successfully phasing out coal, OPG delivered on the Province's commitment to cleaner air. It also happens to be North America's single largest climate change initiative.
- Adding to Ontario's cleaner energy mix, OPG is expanding its hydroelectric generation. The Lower Mattagami Project will add 438 megawatts of clean, renewable power when completed in 2015. We've already placed four of the six new units in service – on budget and on schedule.
- And we're converting some of our coal stations to run on biomass – a renewable, plant-based fuel that's better for the environment and good for Ontario's economy. In September, our Atikokan Generating Station, which was converted from coal to biomass, became the largest 100 per cent biomass fueled station in North America. Plans are now in place to convert our Thunder Bay station from coal to advanced biomass.
- For building and growing relationships with First Nations and Métis people OPG is the recipient of the Canadian Electricity Association's 2014 Social Responsibility award.