

Performance Report for Nuclear Waste Management

Q2 2014

April 1 to June 30

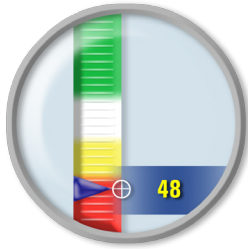
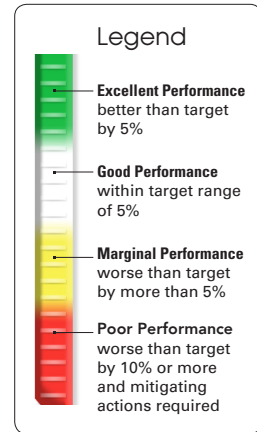
Performance Update

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 second quarter of 2014.



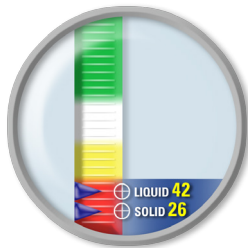
Environment - Performance Index

During the second quarter, our waste facilities demonstrated good environmental performance overall. There was, however, one category C spill at the Western Waste Management Facility’s Spent Solvent Treatment Facility (SSTF) where chlorine was discovered in a domestic water spill. The leak was isolated and the spill contained. The Ministry of the Environment, and the Municipality of Kincardine were notified. There was no environmental impact.



Operational Performance

All three sites processed a total of 55 used fuel Dry Storage Containers (DSC’s). This is below the target of 72 scheduled for this quarter. While Pickering was better than target by one, the other sites fell behind due to station maintenance requirements and severe weather conditions that prevented moving DSC’s to storage areas. The target for the year is to process 220. Recovery schedules are in place to meet the year end target.



Incinerator Availability - per cent of time operating

Since the start of 2014, the facility’s incinerator was able to burn liquid nuclear waste 42 per cent of the time and solid waste 26 per cent of the time. This was below the Q2 targets of 57 per cent and 53 per cent respectively and was due to equipment maintenance shut downs. To improve equipment reliability and increase working performance, a three-year reliability plan is in place. Upgrades to the incinerator equipment will be made this fall with more to follow early 2015.

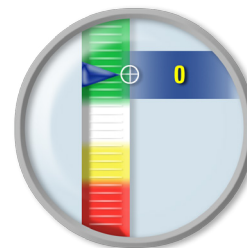
Safety

Employee All Injury Rate

The All Injury Rate (AIR) measures the number of workplace injuries per 200,000 hours worked. During the second quarter our AIR was 0, which was excellent and well below the year-end target of 0.89 (lower is better). Our employees have worked over three years without a 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. In this quarter the fleet safely traveled just over 50 thousand additional kilometers. This brings us up 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.

About OPG's Nuclear Waste Management Division

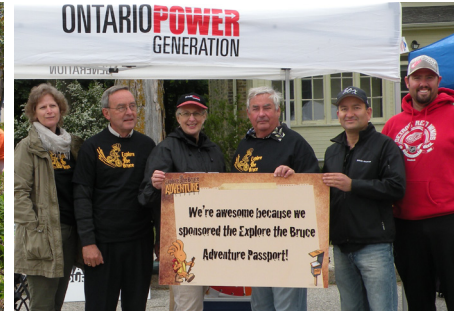
OPG's Nuclear Waste Management Division (NWMD) manages three sites. The Western Waste Management Facility (WWMF) in Bruce County receives and manages the low and intermediate level waste for Darlington, Pickering and Bruce Power Nuclear Stations. At this facility low level waste is received and its volume-reduced through incineration or compaction. Facilities that manage interim Used Fuel Dry Storage containers are located at Pickering, Darlington and at the WWMF.



Youth Awareness FAN Club



Southampton Music Festival



Explore The Bruce Launch

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 Joint Review Panel (Panel) for OPG's Deep Geologic Repository Project for Low and Intermediate Level Radioactive Waste (DGR) scheduled additional public hearing days beginning Sept. 9, 2014 in Kincardine; the hearing ran for eight days.

The public hearing gave participants, OPG and the Canadian Nuclear Safety Commission (CNSC) the opportunity to thoroughly review and provide their comments on new information issued by the panel since the close of the hearing last year. During the additional hearing days the panel covered the following subjects:

- Methodology used to determine the significance of adverse environmental effects
- Updates to the geoscientific verification plan
- Expansion plans for the DGR project
- Relative risk analysis of alternatives to the project
- Implications of revisions to the reference waste inventory, and
- Applicability of recent incidents at the Waste Isolation Pilot Plant in the U.S. to the safety case for the DGR project.

For additional information about the DGR Project and approvals process, please visit www.opgdgr.com.

Nuclear Waste Management

- The CNSC provided positive feedback on safety, plant condition and program execution following their inspection of the Darlington Waste Management Facility and Western Used Fuel Dry Storage Facility in June. The low and intermediate level waste operations also received satisfactory feedback.
- At a public meeting in December 2014, OPG will present to the CNSC a performance overview of its three nuclear waste management operating facilities. The Darlington Waste Management Facility (DWMF), the Pickering Waste Management Facility (PWF), and the Western Waste Management Facility (WWMF) each have ten year operating licences from the CNSC. These facilities were developed for the management and interim storage of radioactive waste generated from OPG-owned nuclear generating stations. During this reporting period, the DWMF, PWF, and WWMF have operated safely and reliably.

OPG News

- OPG was recognized as one of the Best 50 Corporate Citizens in Canada for sustainability. The organizations named to the Best 50 each year by *Corporate Knights* represent leaders within their respective industries on a diverse set of sustainability metrics.
- CNSC's annual safety assessment shows OPG's nuclear facilities continue to operate safely and to a high standard of operational excellence. OPG's Darlington station was the only station in Canada to receive the highest standard of "Fully Satisfactory". This is the fifth year in a row of sustained top performance by Darlington. OPG's Pickering Nuclear Generating Station showed the strongest performance gain of any station over 2012 results with two areas - radiation and security - upgraded to "Fully Satisfactory." This assessment demonstrates the commitment to safety by the staff and management at our nuclear sites.
- In May, OPG's Darlington nuclear plant was the setting of one of the largest Emergency Preparedness exercise of its kind ever held in Canada. The multi-jurisdictional exercise was designed to test response in the unlikely event of a nuclear emergency similar to what occurred at Japan's Fukushima nuclear plant in March 2011. The exercise involved more than 1000 people and 54 agencies.

In the Community

- The NWMD continues to share information about our operations with various groups and the public. During the second quarter of 2014, the NWMD provided tours to five groups and held numerous stakeholder meetings with various Métis, First Nations, municipal, federal and provincial officials. The Western site supported 12 community initiatives in Bruce County such as the Grey Bruce One World Festival, Water Works, South Bruce Soccer Club, Bluewater Science & Technical Fair, Explore the Bruce, Kincardine and Saugene Senior Games, Southampton Summer Music Festival, Grey Bruce Fun Run, and the Bluewater Summer Playhouse Theatre.