

Performance Report for Nuclear Waste Management

Q1 2013

January 1 to March 31, 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 first 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 two environmental infractions



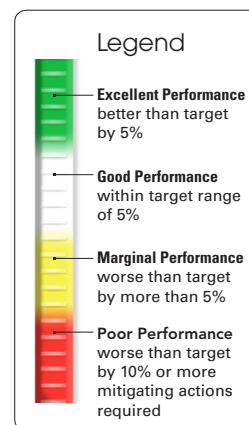
Operational Performance

The management of used fuel Dry Storage Containers (DSC's) in the first quarter resulted in a total of 49 DSC's processed across all facilities. This number is below the target of 65 for this quarter due to delivery delays in loading containers and crane maintenance. A recovery plan is in place for all three facilities to meet the year-end target to process 240 DSC's.



Waste Volume Reduction

Waste sorting and segregation occurs at the stations and OPG works to continually identify opportunities for waste minimization. In this quarter 35 cubic meters of waste was produced well below the target of 49 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 first quarter our AIR was zero which was excellent and well below the year-end target of 0.89. 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 163 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.



Staff at Canadian Nuclear Association Conference



OPG presenting Environment Award



OPG at Trees Ontario's workshops

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

Nuclear Waste Management

- OPG participated at the Canadian Nuclear Association Annual Conference this past February in Ottawa. Over the three days, delegates from all aspects of the industry met with staff about existing and proposed future modernization of OPG's nuclear operations, nuclear waste operations and on the proposed Deep Geologic Repository project.
- In March, OPG received notification from the Canadian Nuclear Safety Commission (CNSC) of the decision to renew the operating licence for the Darlington Waste Management Facility (DWMF) for a ten year term to April 30, 2023. This also includes expansion of the facility to accommodate the retube waste from the refurbishment of the reactors at Darlington and used fuel from continued operation post refurbishment. This decision is recognition that OPG is a qualified operator, and provides for public and employee health and safety, as well as environmental protection.

Station Operations

- In the second weekend in March, OPG's new Niagara Tunnel began providing additional water to generate additional clean, renewable energy at the Sir Adam Beck stations. This impressive piece of infrastructure will serve Ontario for 100 years or more. This complex engineering marvel was executed safely by all those involved. The project cost \$100 million lower than the revised \$1.6 billion cost and the in-service date was nine months sooner than projected in 2009.
- In March, the Canadian Nuclear Safety Commission (CNSC) issued its supportive decision on the Environmental Assessment (EA) for Ontario Power Generation's (OPG) Darlington Nuclear Generating Station Refurbishment and Continued Operation Project. This decision enables OPG to move ahead with a number of activities in support of Darlington refurbishment. The Darlington Refurbishment Project involves the refurbishment of the four reactors at the

DNGS and will provide 3,500 megawatts of clean, reliable, cost-effective electricity for the people of Ontario for an additional 25 to 30 years. It will be one of the largest capital infrastructure projects in Canada, creating significant benefits for 10 to 15 years including employment, business and supplier opportunities and increased municipal revenue.

Deep Geologic Repository

The sixteen month comment period on the submission of OPG's Environmental Impact Statement (EIS), Preliminary Safety Report (PSR) and other documents in support of the licence application for the DGR Project has ended. The Joint Review Panel (JRP) announced May 24, 2013 as the final date for receiving public comments on OPG's Deep Geologic Repository. The Public hearing is expected this fall. Once the hearing is completed the JRP will submit their report to the Federal Minister of Environment.

In the Community

OPG continued to support a number of environmental initiatives in Bruce County including the OPG Environment Award at the Kincardine Chamber of Commerce Business Awards. The award is annually presented to a business, organization or individual that is guided by a sense of responsibility and respect for the environment and was presented to the Penetangore Watershed Group. Support was provided to The Canadian Peregrine Foundation to visit four local schools in an effort to introduce the peregrine falcon to students. At each school, a biologist from the Canadian Peregrine Foundation provided a 40 to 45 minute presentation designed to tie in with the new Ontario science curriculum, with an emphasis on habitats, ecosystems, the diversity of living things, and flight. As part of OPG biodiversity program we also sponsored Trees Ontario's landowner workshops. These workshops focus on tree planting techniques and the programs and incentives available to landowners interested in planting trees. One of the ten sponsored sessions was held in Formosa.