

Performance Report for Nuclear Waste Management

Q2 2013

April 1 to June 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 second 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.



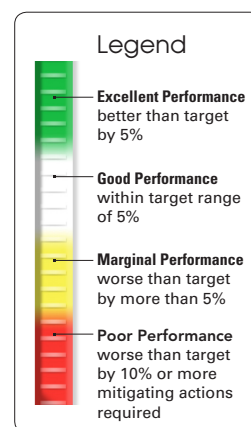
Operational Performance

The management of used fuel Dry Storage Containers (DSC's) in the second quarter resulted in a total of 116 DSC's processed across all facilities to date. This number is below the target of 127 for this quarter due to delivery delays in loading containers, and crane maintenance earlier in the year. A recovery plan is in place to work towards achieving 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 80 cubic meters of waste was produced, well below the target of 136 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 225 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.



Scottish Festival



Cultural exchange at G.C. Huston



Bluewater Regional Science Fair



Penetangore tree planting

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

Public Hearing for OPG's DGR Project

The joint review panel of public hearings into OPG's proposal for a deep geologic repository (DGR) at the Bruce Nuclear site in Kincardine to safely isolate and store low and intermediate-level nuclear waste will begin September 16, 2013.

OPG has safely transported, processed and stored nuclear waste for decades. With the support of the mayor of Kincardine and the Bruce County municipalities, OPG has proposed to construct and operate a DGR that would safely and permanently isolate and contain low and intermediate level waste. Spent fuel will not be stored in this site.

For over 40 years, Nuclear technology has produced safe, low-cost, reliable electricity with almost no GHG emissions for Ontario. A decade ago OPG undertook this project as part of our commitment to the proactive and long-term safe management of nuclear waste.

The DGR would be located 680 metres below ground, well below the water table and in stable rock formations over 450 million years old. This will safely isolate the waste from the surrounding environment until it no longer poses a danger.

Experts agree it's the responsible choice and reflects international best practice. A team of geologists, engineers, hydrologists and many others have studied the project for many years. Studies show no significant impact to the environment or the public will occur. To find out more about the project, please visit our new website at www.opgdgr.com. You will also see our ad in local papers.

Nuclear Waste Management

- As a division, Nuclear Waste has achieved four major safety milestones this summer. We have reached one million hours worked without a lost-time accident, Pickering Waste Management Facility has worked 19 years without a lost-time accident, Darlington Waste Management Facility has worked 5 years without a lost-time accident and Radioactive Material Transportation has travelled three million kilometres without a preventable collision. Each one of the 200 employees collectively contributed to this collaborative success.
- To ensure sufficient storage space is available for the safe management of nuclear waste we forecast and anticipate future storage needs at our facilities. To meet this need at the Western Waste Management Facility two additional low-level waste storage buildings were added to the 12 currently on site and an additional 54 in-ground structures, to hold intermediate-level waste from the stations, were also installed.

OPG News

- In June, *Corporate Knights* released its 2013 rankings of the Best 50 Corporate Citizens in Canada. OPG was among the select group of companies named to this prestigious list. Organizations chosen for this honour "stand out as top performers on a suite of forward-looking, financially relevant sustainability metrics" – including leadership diversity, low greenhouse gas levels, and health and safety performance. A distinction of this nature, which spans multiple categories, is truly a collective effort, reflecting a company deeply and widely committed to environmental, social and community values.
- OPG received detailed construction plans, schedules and cost estimates for two potential nuclear reactors at Darlington. The submissions by Westinghouse Electric Canada Inc. and SNC-Lavalin Nuclear Inc./Candu Energy Inc. were commissioned last year and will help inform the government's decision on whether to move forward with new nuclear at OPG's Darlington site. The two reactor designs studied were: the Enhanced Candu 6 reactor designed by Candu Energy Inc., a unit of SNC-Lavalin; and the AP 1000 reactor designed by Westinghouse. The submissions will be analyzed by a team from OPG and the ministries of Energy, Finance, and Infrastructure Ontario. All decisions on whether to move forward with the two potential nuclear reactors will be made by the Government of Ontario.

In the Community

OPG continued to support a number of community initiatives Bruce County and many involved supporting students or volunteering. At the Bluewater Regional Science Fair, as well as providing financial support, OPG employees judged projects. Support was also provided to Southampton's G.C. Huston School to participate in a cultural exchange program with a school in Rankin Inlet, Nunavut. It was a unique way for grade seven and eight students from both schools to showcase their communities and way of life.

This spring over 70 students from Huron Heights Public School helped the Penetangore Watershed Group (PWG), continue its planting program to improve the biodiversity and water quality along the watershed. As a result 4,000 additional trees have been planted along the river. Not only does this work help improve the Penetangore environment, it also builds student's environmental awareness and ecological understanding and links to the classrooms science curriculum. To learn about other biodiversity programs OPG is involved in visit www.opgbiodiversity.ca