

Performance Report for Nuclear Waste Management

Q2 2012

April 1 - June 30, 2012

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, operational and environmental performance and significant accomplishments achieved during the second quarter of 2012.



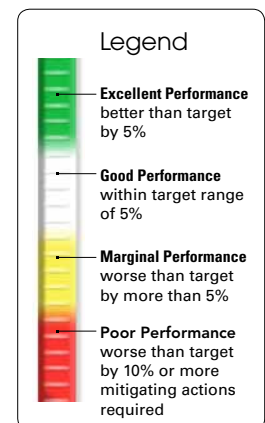
Environment - Performance Index

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 or one major or moderate spill.



Operational Performance

The management of used fuel Dry Storage Containers (DSC's) is an important part of our business. In the second quarter a total of 69 (Q1 59) DSC's were processed across all facilities. This is a 14.5% increase above the first quarter performance. All three facilities remain on track to meet the year-end target to process 240 DSC's.



Safety

Accident Severity Rate

The industrial Accident Severity Rate (ASR) measures the number of days lost due to employee injuries per 200,000 hours worked. During the second quarter of 2012 the facilities recorded 0.0 days lost per 200,000 hours worked.



Employee All Injury Rate

The All Injury Rate (AIR) measures the number of workplace injuries per 200,000 hours worked. During the second quarter we recorded 0.85 injuries. This is an improvement over the first quarter period.



Transportation Safety

The transportation of the waste to the Western Waste Management Facility from Darlington and Pickering is managed by experienced and skilled drivers. In this period 93 shipments were made. The preventable collision rate, which is a factor of the number of safe trips over 1.6M km, is excellent. This means that over the last 1.6 million kms 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. Facilities to manage interim Used Fuel Dry Storage containers are located at Pickering and Darlington and at the WWMF.



Keeping you informed

Nuclear Waste Management

- To ensure sufficient storage capacity OPG periodically builds additional storage buildings on site. At the Western site work began on the construction of two new buildings to hold the Dry Storage Containers (DSC's) that store spent fuel from Bruce Power's generating plants. This much needed expansion will increase total site storage capacity to 2,000 DSC's. The new buildings will be ready to receive the storage containers this fall.
- On April 9, 2008 the Darlington Waste Management Facility started its operation to store used fuel dry storage containers and since that time has operated safely without a single lost time accident.

In the Community

- OPG's commitment to the environment includes support of Kincardine's Penetangore Watershed Group. This spring, with support from 70 students from local schools 1,200 trees were planted along the Penetangore River banks.

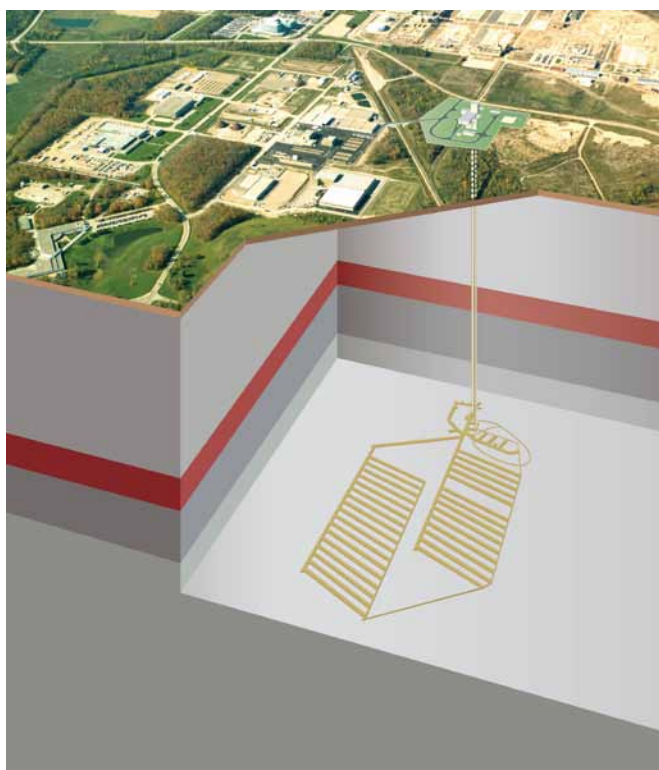
- Early this quarter OPG sponsored the Earth Rangers at the Bruce County Museum and Cultural Centre. This gave 300 people the opportunity to learn from the Rangers the challenges facing wildlife and what we can do to help preserve them. Earth Rangers is dedicated to educating children with a positive science-based message on the importance of protecting biodiversity and adopting more sustainable behaviours.
- In recognition of the 200th anniversary of the War of 1812, OPG supported the Bruce County Museum and Cultural Centre to bring a marine themed exhibit to the museum. A replica of the war ship HMS General Hunter that fought on Lake Erie against our invaders from the south was built inside the museum, cannons and all. By chance, storms and erosion uncovered the remains of the ship wreck on the sandy shore of Southampton in 2007.

Performance Report for Nuclear Waste Management

Keeping you informed about milestones and items of interest across OPG.

Deep Geologic Repository

- The comment period for documentation in support of the environmental assessment and site preparation/construction licence for Ontario Power Generation's proposed Deep Geologic Repository Project (DGR) for low and intermediate level waste (L&ILW) has been extended. The original end date of Aug. 3, 2012 was extended to accommodate the time required for OPG to respond to information requests from the panel. The public comment period provides an opportunity for the JRP, public, interested stakeholders and First Nations and Métis communities to review, assess and comment on whether the documents adequately address the requirements of the guidelines issued for the DGR Project. For more information about the public review period or how to make your views known please visit OPG's DGR website.



Artist's rendition of the Deep Geologic Repository

OPG and Station Operations

- Jake Epp OPG's Chairman of the Board announced the appointment of new board member Roberta L. Jamieson. Ms. Jamieson is a lawyer and President and CEO of Indspire (formerly the National Aboriginal Achievement Foundation), a national charitable organization dedicated to Indigenous education. She was the first First Nations woman to earn a law degree; the first non-parliamentarian appointed an ex-officio member of a House of Commons Committee; the first woman Ombudsman of Ontario; and the first woman elected Chief of the Six Nations of the Grand River Territory. She was also Commissioner of the Indian Commission of Ontario.
- OPG has signed an important Re-tube and Feeder Replacement contract with SNC-Lavalin Nuclear Inc. and Aecon Construction Group Inc. This two-phase contract is to plan for and then replace major components of the four reactors at Darlington. This is the first of a number of contracts that will be awarded for the Darlington refurbishment project, which involves the replacement of reactor components and maintenance of station systems that have reached the end of their planned lifespan.
- In response to the recommendations of a Joint Review Panel, in May, the Federal Government approved the Darlington New Nuclear Project Environmental Assessment (EA). The approval of the EA marks an important step towards bringing new nuclear units to the Darlington site.
- Agreements have since been signed with two companies – Westinghouse and SNC-Lavalin/Candu Energy Inc. to prepare detailed construction plans, schedules and cost estimates for the Darlington New Nuclear Project. Over a 12 month period reports prepared will help inform the government's decision on whether to move forward with new nuclear at the Darlington site.
- OPG received the CEA sustainable Electricity Company of the Year Award 2011. The award recognizes OPG's performance in all three areas of sustainable development – environment, social responsibility and economic excellence. It acknowledges OPG's commitment and efforts to reduce its environmental footprint while contributing to a better Ontario through corporate citizenship, commitment to the communities in which it operates, and the safe, low-cost, efficient generation of electricity.