

Performance Report for Nuclear Waste Management

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, and the environment. It also summarizes significant accomplishments achieved during the second quarter of 2017.

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, the AIR was zero, well below the year-end target of 0.22. Our employees have worked over six years without a lost-time accident.



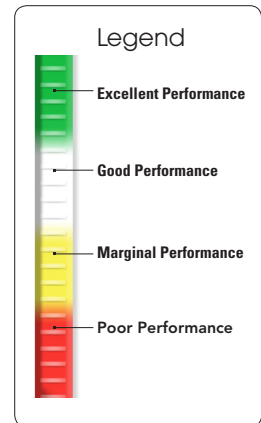
Transportation Safety

The transportation of radioactive waste to our Western facility from Darlington, Pickering and Bruce Power is managed by experienced and skilled drivers. In Q2, all shipments were made safely and accident-free and the fleet safely traveled just over 108,000 additional kilometres. At the end of June 2017 a total of 4 million kilometres were safely travelled.



Environment - Spills to the Environment

Our nuclear waste facilities experienced no spills to the environment this quarter that were reportable to a regulatory authority. For detailed environmental information, please refer to the environmental data reports available on www.opg.com under News and Media.



Operational Performance

A total of 128 used fuel Dry Storage Containers were processed up to the end of June, which is above the goal of 127 for the second quarter. Production remains on track to meet the year-end target of 228 at all three of our used fuel facilities.



Incinerator Performance

The incinerator showed improved performance this quarter. It processed 777 cubic metres of solid waste, exceeding the goal of 667 cubic metres for this point in the year. The year-end waste volume reduction target of solid waste is 1,416 cubic metres.

About OPG's Nuclear Waste Management

OPG's Nuclear Waste Management (NWM) 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. The volume of low-level waste is reduced through incineration or compaction. Used-fuel Dry Storage Containers are managed at facilities located at Pickering, Darlington and WWMF.



Penetangore River Tree Planting Day



TOYs: The inside Story at BCM&CC



Lake Huron Fishing Club - Fish Hatchery

The following summarizes items of interest or milestones achieved by Nuclear Waste Management and across OPG:

OPG's Deep Geologic Repository Project: A lasting solution, for peace of mind

The federal Minister of Environment and Climate Change has asked OPG to update its analysis of the cumulative effects of the DGR project on Saugeen Ojibway Nation's (SON) physical and cultural heritage. The results of the SON Community Consultation Process must inform the analysis and be incorporated into the response.

OPG had committed in 2013 that the DGR would not proceed to construction without the support of SON, whose traditional territory includes the proposed location at the Bruce nuclear site.

OPG has been engaged in respectful, ongoing dialogue with SON and that will continue.

OPG's facility would be Canada's first deep repository for permanent disposal of low- and intermediate-level nuclear waste – a lasting solution that international experts agree is best practice. After reviewing a decade of scientific research through record-long hearings, an independent Joint Review Panel concluded in 2015 that the Bruce nuclear site is appropriate, the environment and Lake Huron will be protected, and the DGR should be built "now rather than later."

WWMF licence renewed

The Canadian Nuclear Safety Commission (CNSC) has renewed the operating licence for the Western Waste Management Facility (WWMF), extending it by 10 years, from June 1, 2017, to May 31, 2027. At a CNSC hearing in April, OPG's Nuclear Waste Management division emphasized the facility's excellent track record of safety over the past 40 years, and outlined its plans for continued safe processing and storage of waste over the new licence period. In making its decision, the Commission said it considered submissions from OPG and 18 interveners, as well as recommendations from its own staff.

In the Community

During the second quarter of 2017, NWM provided tours to 19 groups and held 10 information-sharing meetings with First Nations, Métis, municipal, federal and provincial officials. The Western site supported 23 community initiatives in Bruce County such as: Lake Huron Fishing Club, Blues in the Schools, TOYs: The inside Story at BCM&CC, Huron Fringe Birding Festival, Youth Outdoor Expo, Grey Bruce Regional Science Fair, and the Brockton Regional Soccer Park.