

Performance Report for Darlington Nuclear

THIRD QUARTER 2007

This report discusses performance for Darlington Nuclear in the areas of safety performance, electricity production, environmental performance, and significant accomplishments achieved during the third quarter of 2007.



OPG continues to follow high standards of Public Safety

OPG's ongoing goal is to maintain and continue building a strong safety culture at each of our nuclear stations to ensure that there are no public or employee safety concerns as a result of our operations.

In the four decades that nuclear energy has served Canada's electricity needs, no member of the public has ever been harmed as a result of a radiation emission from a nuclear power plant or waste storage facility. An excellent measure demonstrating that the public is protected at all times from radiation emissions is provided by the continuous measurement of radiation exposure at the perimeter of our stations. All Canadians are exposed to naturally-occurring radiation, mostly from the sun and from radon which is found in soil. The average exposure of Canadians is 1,770 microsieverts a year. For example, the food and water we ingest each year accounts for approximately 300 of those microsieverts.

For Darlington Nuclear, the estimated additional exposure during the first quarter of 2007 (most recent data) for people living near the station, based on their actual lifestyle characteristics and food consumption patterns, was 0.2 microsieverts. This is a very small percentage of the amount we each receive naturally and much lower than permitted by regulation.



Keeping Our Employees Safe

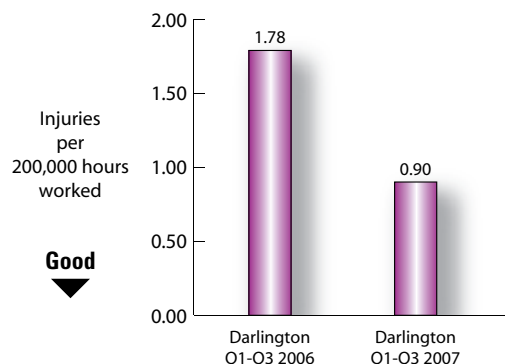
Darlington's employee safety performance is measured against other companies. One measure is the employee Accident Severity Rate (ASR) which measures the number of days lost due to injuries per 200,000 hours worked. Darlington recorded excellent performance with no days lost due to injuries in the third quarter.

Employee Accident Severity Rate



Darlington did well in another key safety measure – the employee All Injury Rate (AIR) which measures the number of workplace injuries per 200,000 hours worked. Darlington recorded 0.90 injuries per 200,000 hours worked during the third quarter which is favourable compared to Canadian Electricity Association top quartile performance.

Employee All Injury Rate

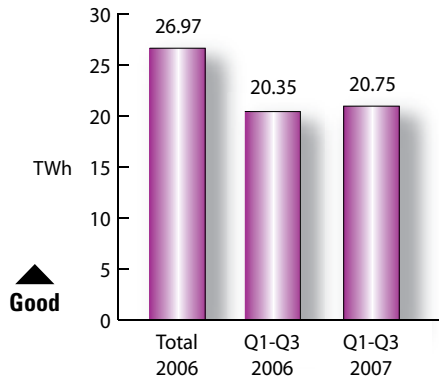


Safety Milestones

The safety of our employees, like the safe operation of our nuclear reactors, is a top priority in our operation. During the third quarter of 2007, Darlington employees achieved over 3 million hours and surpassed 365 days without a lost-time injury.

Electricity Production

Darlington Electricity Production (TWh)



Darlington Nuclear continues to demonstrate excellent performance during the first nine months of the year.

Darlington increased its electrical output for the first nine months of 2007 compared to the same period in 2006. From January to September, Darlington's four units produced 20.75 TWh of electricity, compared to 20.35 for the same period in 2006. A terawatt hour is the equivalent of one billion kilowatt hours. The average home uses 1,000 kilowatt hours per month.

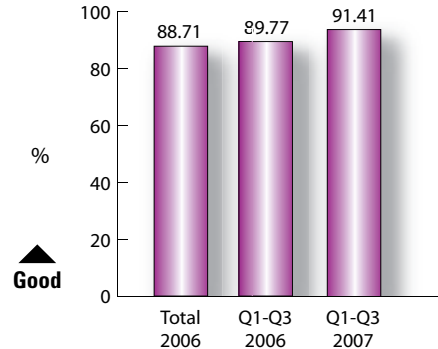
Darlington continues to achieve excellent world class performance in reliability with a Forced Loss Rate (the amount of time a reactor is unavailable to produce electricity due to unplanned production losses) of less than one per cent. The best reactors in the world operate with a Forced Loss Rate from one to two per cent.

Darlington's top performing unit began an important planned maintenance outage in September. The Unit 2 outage will include major work on the turbine generator, feeder pipe replacement, and pump refurbishment.

Unit Capability Factor

Another measure of the station's performance is its unit capability factor, basically a percentage of perfect generation a unit is capable of producing during a specified period. Darlington's unit capability factor continues to rise, reaching 91.41 per cent at the end of the third quarter of 2007. This represents improved performance from the same period in 2006 when the unit capability factor was 89.77.

Unit Capability Factor (%)



Protecting the Environment

For the first nine months of 2007, the Darlington station did not record any major or moderate spills to the environment.

Milestones & Items of Interest

Some milestones and items of interest achieved by Darlington Nuclear and across OPG include the following:

- The Ontario Energy Association awarded its 2007 "Leader of the Year" award to Jim Hankinson, President, Ontario Power Generation. The OEA is one of Ontario's most important energy trade organizations, whose members collectively employ about 32,000 Ontarians.
- Two OPG employees were recognized for their contributions to our local communities. Pat McNeil, Senior Vice President, Nuclear Generation Development, has been named co-recipient of the 2007 Business Person of the Year Award by the Ajax-Pickering Board of Trade. Don Terry, Manager of Site Public Affairs at Pickering Nuclear, was awarded the Community Leadership Award by the Pickering Rotary Club.
- OPG Board of Directors has approved the construction of a second full scope Darlington simulator. The addition of a second simulator will enable the plant to provide better "hands-on" operator training, and is considered key to the plant's future training plans.
- Tuesdays on the Trail was a popular family program at Darlington and Pickering waterfront trails. OPG hosted thousands of local residents for fun and learning focused on environmental programs.
- Darlington's employee cafeteria and food services group received a 2007 "Eat Smart" award from the Region of Durham's Health Department.

Do you have any questions about our performance results? If so, please give us a call at 905-623-7122.