

Performance Report for Darlington Nuclear

FIRST QUARTER 2005

This report discusses performance statistics for Darlington Nuclear during the first quarter of 2005 in the areas of safety performance, electricity production, environmental performance, and significant accomplishments achieved during the first three months of the year.



Ensuring Public Safety

The number one priority at each of OPG's nuclear stations is to ensure that there are no public safety concerns as a result of our operations. Our nuclear stations are designed with multiple safety systems and are staffed by station personnel who are extremely well trained.

In the four decades that nuclear energy has served Canada's energy needs, no member of the public has ever been harmed as a result of a radiation leak 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.

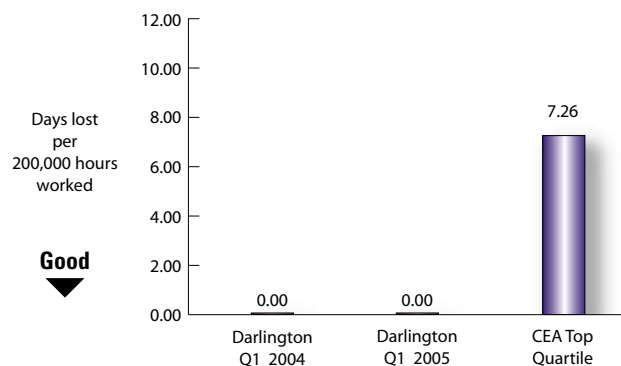
For Darlington Nuclear, the estimated exposure during 2004 (most recent data) for people living near the station, based on their actual lifestyle characteristics and food consumption patterns, was 1.4 microsieverts, well under the projection of 7.5. This is a very small percentage of the amount we each receive naturally and much lower than permitted by regulation.

Keeping Our Employees Safe



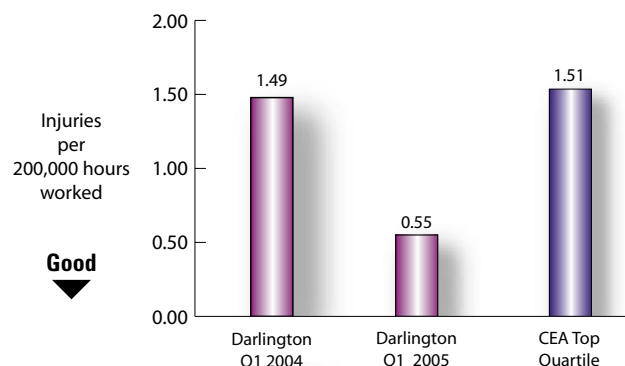
Darlington's employee safety performance continues to be impressive as measured against other electricity companies. One measure is the employee Accident Severity Rate (ASR) which measures the number of days lost due to injuries per 200,000 hours worked. In the first quarter of 2005, Darlington matched its first quarter 2004 record of 0.0 injuries per 200,000 hours worked. These results are better than the threshold for top quartile safety performance of 7.26 days lost per 200,000 hours (2002-2004 average) established by members of the Canadian Electricity Association (CEA).

Employee Accident Severity Rate



Darlington continued to improve its performance in another key safety measure - the employee All Injury Rate (AIR) which measures the number of workplace injuries per 200,000 hours worked. In the first quarter of 2004, the station had 1.49 injuries per 200,000 hours worked. In the first quarter of 2005, the rate at Darlington improved to 0.55 injuries per 200,000 hours. This result again placed Darlington in the top quartile industry performance category, set by the CEA at 1.51 or lower (2002-2004 average).

Employee All Injury Rate



Both sets of figures reflect the priority OPG places on a safe workplace. Please note that the results for both ASR and AIR may differ from the 2004 Performance Report due to a change in method of calculation.

Safety Milestones

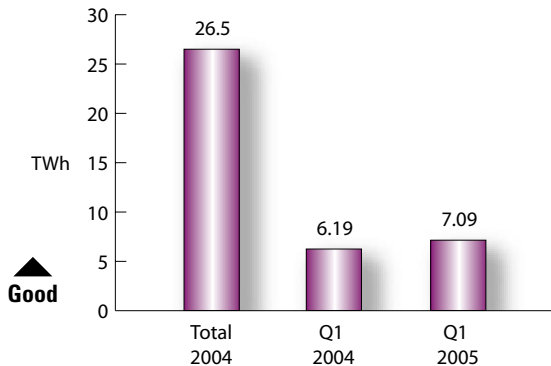
The safety of our employees, like the safe operation of our nuclear reactors, is a top priority in our operation. In the first quarter of 2005, Darlington achieved several important safety milestones.

For example:

- At the end of March our employees achieved 2.7 million hours without a lost-time injury, an outstanding record.
- In January, Darlington Fuel Handling employees achieved 10 years without a lost time accident.
- OPG provides extensive safety training for new employees and ongoing refresher courses for staff. These procedures were recognized recently as 'superior' to industry standard by an international peer review inspection team.

Electricity Production

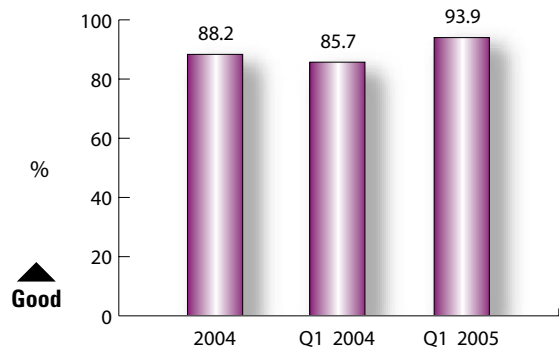
Darlington Electricity Production (TWh)



Building on successful production output in 2004, Darlington nuclear increased its output in the first quarter of 2005. From January to March, Darlington's four units produced 7.09 terawatt hours of electricity, up from 6.19 TWh for the same period in 2004. The Darlington station produced a total of 26.5 TWh in 2004. A terawatt hour is the equivalent of one billion kilowatt hours. The average home uses between 800 and 1,000 kilowatt hours a month.

The station is dedicated to continuously improving its electricity production. Darlington's unit capability factor - basically a percentage of perfect generation a unit is capable of producing during a specified period - increased to 93.9 per cent in the first quarter of 2005 compared to 85.7 per cent in the same quarter a year earlier. The overall Unit Capability Factor in 2004 was 88.2 per cent. In fact, the Darlington station recorded the highest capability factor of any multi-unit nuclear station in Ontario during 2004.

Unit Capability Factor (%)



Protecting the Environment

During the first quarter of 2005, the Darlington station did not record any major or moderate spills of chemicals or other substances, which are reported to the Ontario Ministry of the Environment. Darlington Nuclear maintained its ISO 14001 accreditation in 2004, which signifies that the station has an environmental management system in place that meets a high international standard.

Significant Accomplishments

Some of the other significant accomplishments registered by Darlington Nuclear in the first quarter of 2005 include the following:

- Darlington staff opened their hearts and their wallets to help with relief efforts in southern Asia after an earthquake and subsequent tsunamis ravaged the shores of the Indian Ocean on December 26. A total of \$11,430 was raised during a two-hour monetary collection at Darlington on Friday, January 7.
- As part of the Human Resources Volunteer Outreach Program, representatives from OPG attended a Darlington Career Fair at Mother Theresa School in Courtice. Students toured the various displays, learning about each position and receiving a brief demonstration of the equipment used.
- On February 22, Darlington Nuclear played host to a group of international dignitaries - the e7 delegation. Formed in 1992, the e7 is a network of ten of the world's largest electricity companies formed to promote sustainable energy development and share its expertise with partners in developing countries.
- Darlington is pleased to participate in the Passport to Safety program which is aimed at protecting young people in our communities who are entering the workforce for the first time, particularly students starting in summer jobs.



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