

Performance Report for Darlington Nuclear

THIRD QUARTER OF 2008

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 2008.



OPG continues to maintain high standard 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.

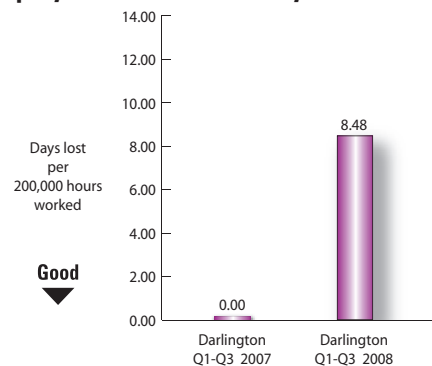
For Darlington Nuclear, the estimated additional exposure during the second quarter (most recent data) for people living nearest the station, based on their actual lifestyle characteristics and food consumption patterns, was 1.0 microsieverts. This is a very small percentage of the amount we each receive naturally and much lower than permitted by regulation.



Keeping Our Employees Safe

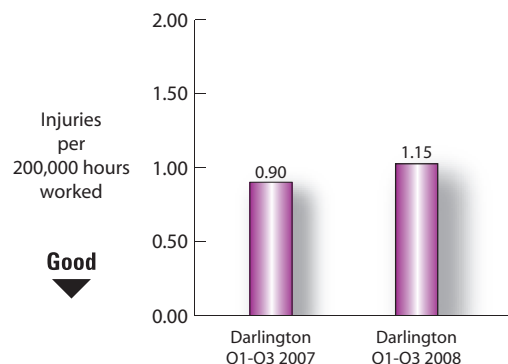
Darlington's employee safety performance is measured against other companies. One measure is the employee Accident Severity Rate (ASR) which measures the number of days lost due to injuries per 200,000 hours worked. Darlington's ASR was significantly higher than top quartile Canadian Electricity Association (CEA) performance due to a leg injury resulting in a lost time accident.

Employee Accident Severity Rate



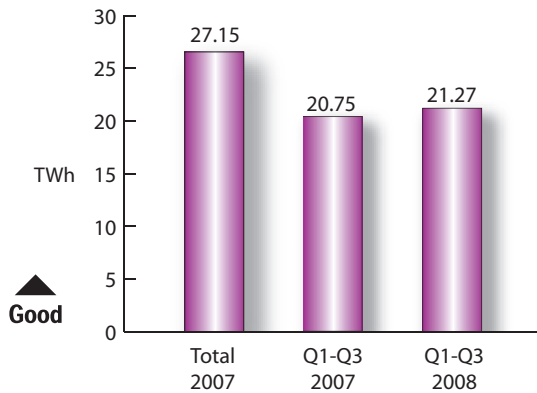
The employee All Injury Rate (AIR) measures the number of workplace injuries per 200,000 hours worked. The station recorded 1.15 injuries per 200,000 hours worked in the third quarter. This result is slightly above the top quartile industry performance set by the CEA.

Employee All Injury Rate



Electricity Production

Darlington Electricity Production (TWh)

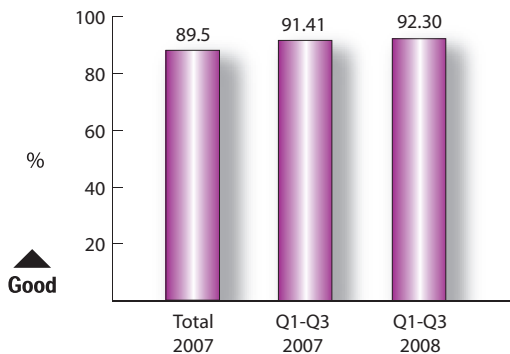


Darlington's units continued to perform well during the third quarter of 2008 producing 21.27 TWh, compared to 20.75 TWh for the same period last year.

In July, a short two-day unplanned maintenance outage occurred on Darlington Unit 4. Unit 4 was shut down following a clutch power supply equipment failure.

Unit Capability Factor

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 achieved excellent performance in the third quarter achieving a 92.30 per cent unit capability factor.

In addition, Darlington Units 2, 3 and 4, achieved top quartile performance compared to other CANDU units worldwide.

Protecting the Environment

During the third quarter of 2008, 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:

- OPG was honoured to be named as one of Canada's Top 100 Employers for 2009. This is the second year in a row that OPG has been chosen for this distinction. The award recognizes OPG's leadership in attracting quality employees and providing them with excellent career opportunities and benefits.
- Tuesdays on the Trail was a popular family program at the Darlington and Pickering waterfront trails. OPG hosted thousands of local residents for fun and learning focused on environmental programs.
- Darlington and Pickering Nuclear employees participated in the Durham Children's Groundwater Festival, an educational program reaching more than 4,500 local Grade 4 students on the importance of protecting and using water responsibly.



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