

Performance Report for Darlington Nuclear FIRST QUARTER OF 2009

This report discusses performance for Darlington Nuclear in the areas of safety performance, electricity production, environmental performance, and significant accomplishments achieved during the first quarter of 2009.



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 2008 (most recent data) for people living nearest the station, based on their actual lifestyle characteristics and food consumption patterns, was 1.3 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

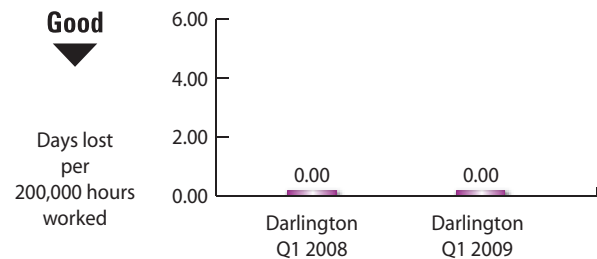
OPG's first priority is the health and safety of employees and the public. In 2008, OPG received two major safety awards from the Canadian Electricity Association and the Electrical and Utilities



Safety Association in recognition of OPG's safety management system and safety culture.

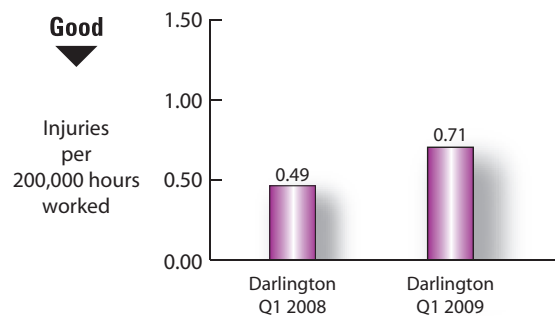
Employee Accident Severity Rate

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 0.00 days lost per 200,000 hours worked in the first quarter of 2009. This is excellent performance and better than Canadian Electricity Association top quartile performance.



Employee All Injury Rate

Another key safety measure is the All Injury Rate (AIR) which measures the number of workplace injuries per 200,000 hours worked. During the first quarter, Darlington recorded 0.71 injuries per 200,000 hours. This is good performance and better than Canadian Electricity Association top quartile performance



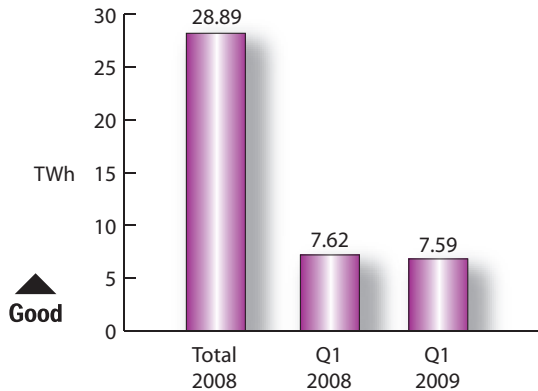
Safety Milestones

The safety of our employees, like the safe operation of our nuclear reactors is a top priority.

During the first quarter of 2009, Darlington employees achieved over 2 million hours without a lost-time injury.

Electricity Production

Darlington Electricity Production (TWh)

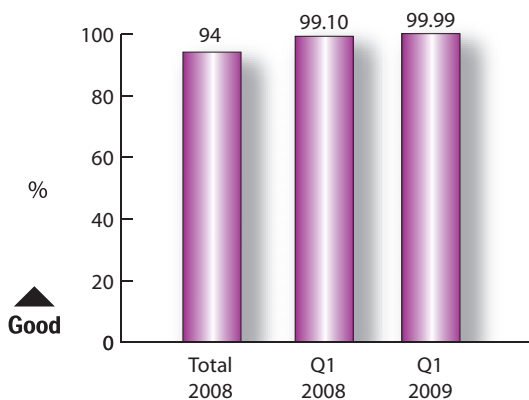


Darlington's units demonstrated excellent reliability during the first quarter of 2009. Darlington produced 7.59 TWh of electricity meeting 17.88 per cent of Ontario's electricity needs.

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 superb performance during the first quarter achieving 99.99 per cent unit capability factor. In 2008, three of Darlington's four units achieved top quartile performance compared to other CANDU units worldwide.



Protecting the Environment

During the first quarter of 2009, Darlington Nuclear did not record any major or moderate spills to the environment.

Milestones & Items of Interest

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

- In February, OPG was the recipient of the Corporate citizenship Award from United Way of Ajax-Pickering-Uxbridge.
- Darlington Nuclear and Pickering Nuclear hosted thousands of local residents at our March Break activities with a focus on environmental, science and recreational activities.
- The Canadian Nuclear Safety Commission announced its decision on the environmental assessment for the refurbishment of the Pickering B station. The CNSC concluded the refurbishment and continued operation of Pickering B is not likely to cause significant adverse environmental effects, taking into account the identified mitigation measures.



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