

Performance Report for Pickering Nuclear

THIRD QUARTER OF 2008

This report discusses performance for Pickering 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 safety 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 monitoring of radiation exposure at the perimeter of our stations. Most people are not aware that 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.

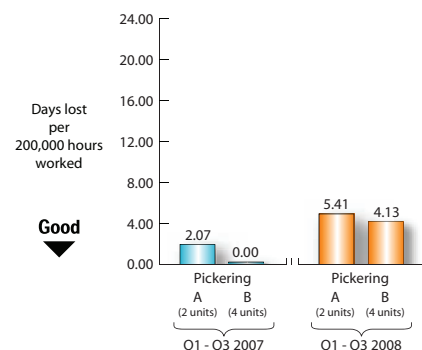
For Pickering Nuclear, the estimated additional exposure during the second quarter (most recent data) for people living nearest the station, based on their actual lifestyle characteristics and food consumption patterns, was 2.6 microsieverts. This is a very small percentage of the amount we each receive naturally and much lower than permitted by regulation.

Keeping Our Employees Safe

Pickering Nuclear's employee safety performance is measured against other companies. Safety performance is measured by the station's employee Accident Severity Rate (ASR), which measures the number

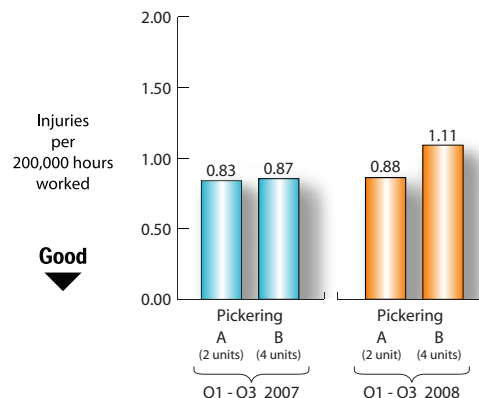
of days lost due to injuries per 200,000 hours worked. At the end of the third quarter of 2008, Pickering A and Pickering B registered a higher than top quartile ASR of 5.41 and 4.13 respectively. During the first quarter, two employees sustained minor musculoskeletal injuries while carrying out their work duties. Two new learning tools and safety meeting presentations were developed to address musculoskeletal injury prevention.

Employee Accident Severity Rate



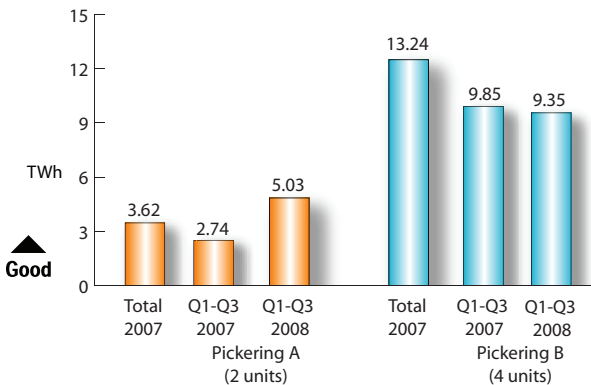
Another key safety measure is the All Injury Rate (AIR) which measures the number of workplace injuries per 200,000 hours worked. Pickering A recorded 0.88 injuries while Pickering B recorded 1.11 injuries per 200,000 hours worked by the end of the third quarter. This places Pickering A and Pickering B within the top quartile industry performance category set by the Canadian Electrical Association.

Employee All Injury Rate



Electricity Production

Pickering A and B Electricity Production (TWh)

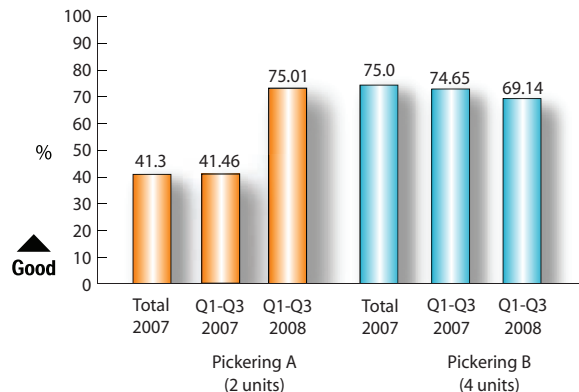


In the third quarter of 2008, Pickering A produced 5.03 TWh generation surpassing its generation production compared to the same period last year.

Pickering B produced 9.35 TWh generation in the third quarter of 2008 which is a minor decrease compared to the same period last year. Overall generation was affected due to an extended maintenance outage on Unit 7.

Unit Capability Factor

Unit Capability Factor (%)



Another indicator of how well the stations are performing is the unit capability factor – basically a percentage of perfect generation a unit is capable of producing during a specified period. In the third quarter, Pickering A's capability factor was 75.01 per cent significantly improving its capability factor compared to the same period in 2007. Pickering B's overall capability factor in the third quarter was 69.14 per cent - a decrease compared to 74.65 per cent in the same quarter last year. Pickering B Units 5 and 6 reported very good performance, 92 per cent and 94 per cent respectively, achieving a second quartile standing compared against CANDU reactors worldwide.

Protecting the Environment

During the third quarter of 2008, Pickering Nuclear did not record any major or moderate spills to the environment.

Milestones & Items of Interest

Some milestones and items of interest achieved by Pickering 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 Pickering and Darlington waterfront trails. OPG hosted thousands of local residents for fun and learning focused on environmental programs.
- Pickering and Darlington 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 want to discuss any of our performance results with us? If so, please call us at 905-837-7272.