

Performance Report for Pickering Nuclear

THIRD QUARTER 2007

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 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 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 example, the food and water we ingest each year accounts for approximately 300 of those microsieverts.

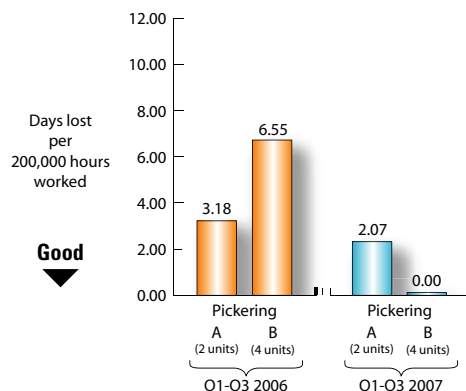
For Pickering Nuclear, the estimated additional exposure during the first quarter of 2007 (most recent data) for people living near the station, based on their actual lifestyle characteristics and food consumption patterns, was 0.5 microsieverts. This is a very small percentage of the amount we each 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

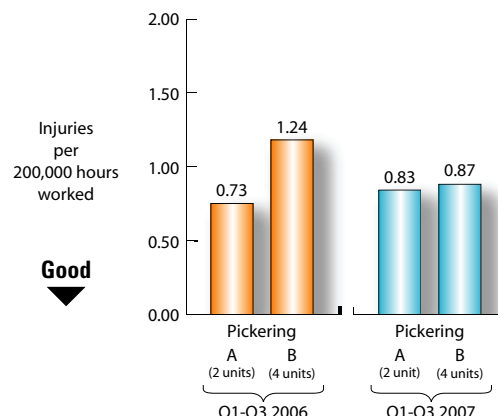
employee Accident Severity Rate (ASR), which measures the number of days lost due to injuries per 200,000 hours worked. Pickering A registered a better than top quartile ASR of 2.07 in the third quarter. Pickering B achieved excellent performance with zero days lost per 200,000 hours worked in the third quarter and better than Canadian Electricity Association top quartile performance.

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. During the third quarter of 2007, Pickering A registered a 0.83 AIR while Pickering B registered 0.87 AIR. Pickering A and Pickering B both compared favourably against Canadian Electricity Association top quartile performance.

Employee All Injury Rate



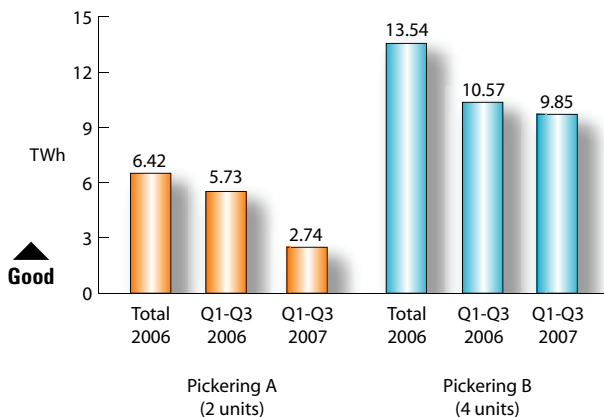
Safety Milestones

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, Pickering Nuclear achieved two important safety milestones:

- Pickering A achieved 1.5 million hours without a lost-time injury.
- Pickering B achieved over 3 million hours without a lost-time injury.

Electricity Production

Pickering A and B Electricity Production (TWh)



During the first nine months, Pickering Nuclear was challenged by unplanned outages and extensions to planned outages which impacted overall performance. During the third quarter, Pickering A and Pickering B registered lower production. This production shortage is primarily the result of three unrelated events including a backup electrical system modification, the inadvertent release of resin by a third-party contractor from the water treatment plant into the station's boiler water system, and a component failure during testing. During the third quarter, a significant amount of work was completed on the backup electrical system toward a long-term solution and the safe and reliable operation of Pickering A.

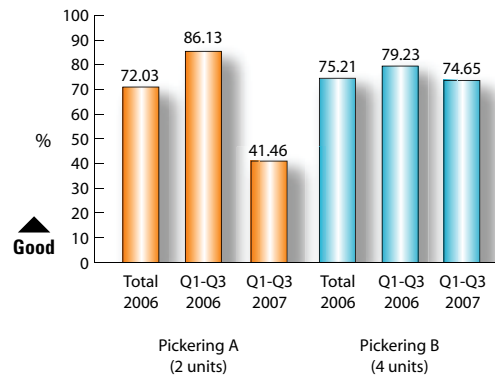
Unit Capability Factor

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.

Pickering A saw a decrease in its unit capability factor to 41.46 per cent compared to 86.13 for the same period last year due to problems with the backup electrical system on Unit 1 and Unit 4.

Pickering B saw a decrease in its unit capability factor to 74.65 per cent compared to 79.23 for the same period last year due to an unplanned outage on Unit 5 to replace pump seals and on Unit 7 for maintenance required on the heat transport valve.

Unit Capability Factor (%)



Protecting the Environment

For the first nine months of 2007, 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:

- 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.
- Tuesdays on the Trail was a popular family program at Pickering and Darlington waterfront trails. OPG hosted thousands of local residents for fun and learning focused on environmental programs.



Do you want to discuss any of our performance results with us? If so, please call us at 905-837-7272.