

Performance Report for Pickering Nuclear

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

For Pickering Nuclear, the estimated additional exposure during 2007 (most recent data) for people living near the station, based on their actual lifestyle characteristics and food consumption patterns, was 2.9 microsieverts. This is a very small percentage of the amount we each receive naturally and much lower than permitted by regulation.

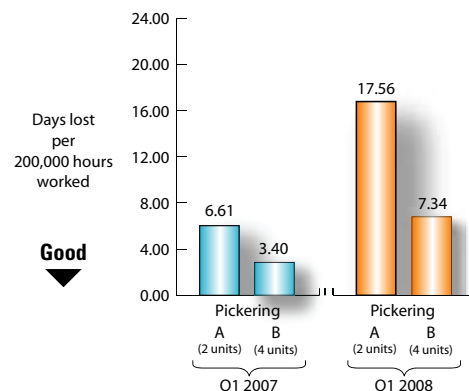
Keeping Our Employees Safe

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. During the



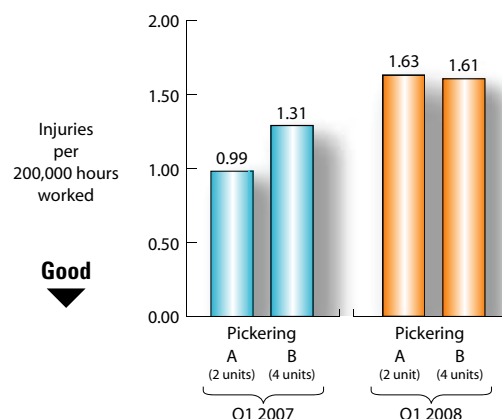
first quarter of 2008, Pickering A and Pickering B registered a higher than top quartile ASR of 17.56 and 7.34 respectively. Two employees sustained musculoskeletal injuries while carrying out their work duties. Increased communications on conventional safety awareness was launched focusing on musculoskeletal injuries.

Employee Accident Severity Rate



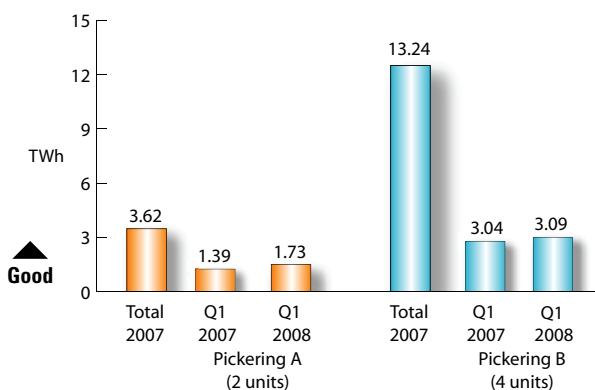
Another key safety measure is the All Injury Rate (AIR) which measures the number of workplace injuries per 200,000 hours worked. Pickering A registered a 1.63 AIR while Pickering B registered 1.61 AIR. AIR performance at both Pickering A and Pickering B is slightly above the Canadian Electricity Association (CEA) top quartile performance.

Employee All Injury Rate



Electricity Production

Pickering A and B Electricity Production (TWh)



During the first quarter of 2008, Pickering A produced 1.73 TWh generation which is an increase in generation compared to the same period last year. Overall generation production was affected by unplanned maintenance outages required to carry out repairs on a governor valve and shutdown cooling pump.

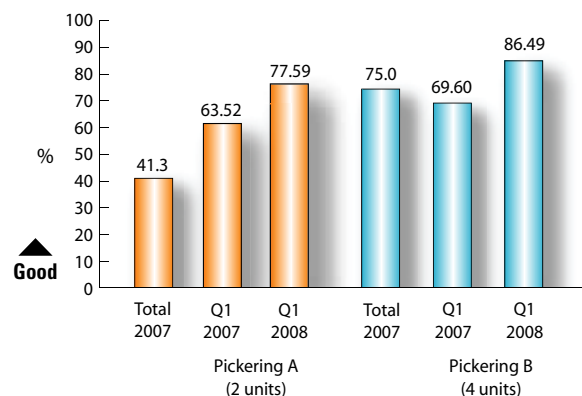
Pickering B produced 3.90 TWh generation during the first quarter of 2008, compared to 3.04 TWh for the same period last year. Electricity generation produced for the first quarter is better than planned generation performance.

During the first quarter, Pickering B, Unit 8 began a planned maintenance outage.

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. During the first quarter of 2008, both Pickering A and Pickering B significantly improved their capability factor compared to the same period in 2007. Pickering A's unit capability factor was 77.59 per cent while Pickering B's unit capability factor was 86.49 per cent.

Unit Capability Factor (%)



Protecting the Environment

During the first 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:

- Pickering Nuclear was recognized as an EcoBusiness by Durham Sustain Ability for its environmental stewardship.
- Pickering Nuclear and Darlington Nuclear received an environmental award from the international Wildlife Habitat Council. The "Signatures of Sustainability Award" is awarded for exemplary involvement in biodiversity conservation and credits recipients for going above and beyond the certification standards.
- In February, Darlington was granted a new, five-year operating licence by the Canadian Nuclear Safety Commission. The licence runs from March 1, 2008 to February 28, 2013.



Acting Pickering Mayor Bill McLean and Pickering B Site Vice President Pierre Tremblay accept Signature of Sustainability plaque from Josianne Bonneau, Wildlife Habitat Council.

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