

Performance Report for Darlington Nuclear

SECOND QUARTER 2006

This report discusses performance statistics for Darlington Nuclear in the areas of safety performance, electricity production, environmental performance, and significant accomplishments achieved during second quarter of 2006.



Ensuring Public Safety

The number one priority at each of OPG's nuclear stations is to ensure that there are no public safety concerns as a result of our operations. Our nuclear stations are designed with multiple safety systems and are staffed by station personnel who are extremely well trained.

In the four decades that nuclear energy has served Canada's energy 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 example, the food and water we ingest each year accounts for approximately 300 of those microsieverts.

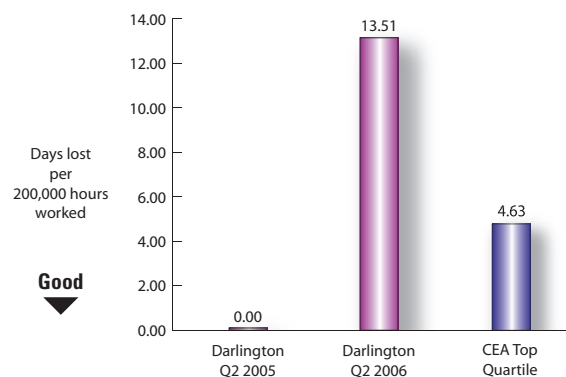
For Darlington Nuclear the estimated exposure during the first quarter of 2006 for people living near the station based on their actual lifestyle characteristics and food consumption patterns was 0.2 microsieverts. This is a very small percentage of the amount we each receive naturally and much lower than permitted by regulation.

Keeping Our Employees Safe

Darlington's employee safety performance is measured against other electricity companies. One measure is the employee Accident Severity Rate (ASR) which measures the number of days lost

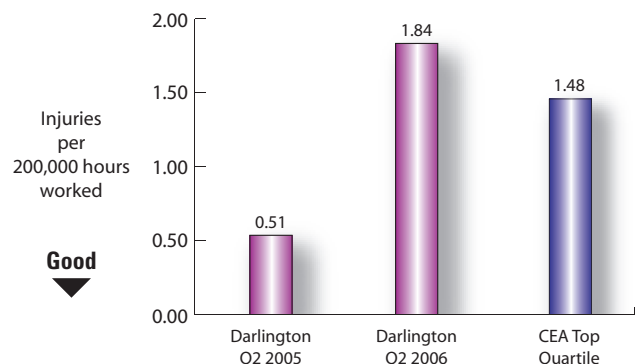
due to injuries per 200,000 hours worked. In the second quarter, Darlington's ASR was higher than top quartile Canadian Electricity Association (CEA) performance which was due to two lost time accidents involving finger injuries. As a result, we have increased our conventional safety focus on preventing hand injuries and proper glove usage.

Employee Accident Severity Rate



The employee All Injury Rate (AIR) measures the number of workplace injuries per 200,000 hours worked. The station recorded 1.84 injuries per 200,000 hours worked in the second quarter. This result is slightly higher than the top quartile industry performance category set by the Canadian Electricity Association (CEA).

Employee All Injury Rate





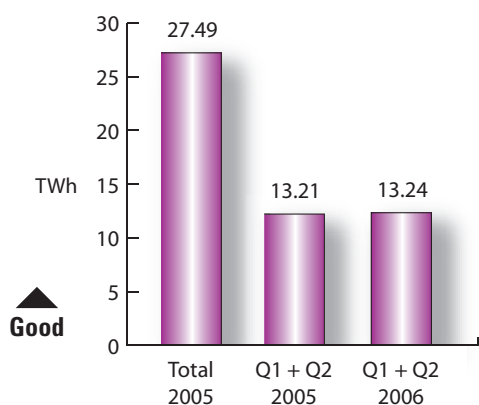
Safety Milestones

In the second quarter of 2006, Darlington's Field Engineering staff achieved the following safety milestone:

- 10 years without a lost time accident.

Electricity Production

Darlington Electricity Production (TWh)



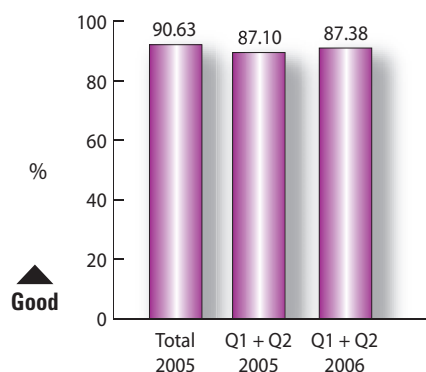
Building on successful production output in 2005, Darlington Nuclear slightly increased its output in the second quarter of 2006.

During the second quarter, Darlington completed a planned maintenance outage on Unit 3, in preparation for the peak electricity demands of the summer months.

Unit Capability Factor

Another measure of a 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's unit capability factor for the second quarter was 87.38 per cent. Over the past three years, Darlington Nuclear has had the best average unit capability factor of any nuclear station in Ontario.

Unit Capability Factor (%)



Protecting the Environment

Darlington station did not record any major or moderate spills of chemicals or other substances, which are reported to the Ontario Ministry of the Environment.

Significant Accomplishments

Some significant accomplishments registered by Darlington Nuclear in the second quarter of 2006 include the following:

- On June 23, Darlington Unit 3 returned to service after a planned maintenance outage.
- On June 7, Ontario Power Generation employees joined our partners in other sectors of the electricity industry to celebrate 100 years of Powering Ontario.
- Darlington Nuclear hosted the Environmental Convergence Conference involving 75 community partners from across Durham Region. The annual conference brings together representatives from education, business, government and environmental groups to focus on Clarington's Wildlife Corridor and other local environmental issues.
- Darlington Nuclear, in partnership with the Ganaraska Region Conservation Authority, delivered a water safety education program, Spring Water Awareness Program (SWAP), to Grade 4 students across Durham Region.
- Two OPG employees, John Fusco, Darlington and Bill Eyre, Pickering Nuclear were inducted into the Whitby Sports Hall of Fame. John and Bill played on the 1980 Minto Cup Champion Builders Junior A Lacrosse team. OPG is a proud sponsor of the Whitby Sports Hall of Fame Induction and supports minor lacrosse locally as part of OPG's commitment to youth activities in our host communities.

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