

Performance Report for Darlington Nuclear

SECOND QUARTER 2005

This report discusses performance statistics for Darlington Nuclear during the second quarter of 2005 in the areas of safety performance, electricity production, environmental performance, and significant accomplishments achieved during the first six months of the year.



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 leak 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 additional exposure in the first quarter of 2005 (most recent data) for people living near the station, based on their actual lifestyle characteristics and food consumption patterns, was 0.2 microsieverts. The total projection for all of 2005 is 7.5 microsieverts. This is a very small percentage of the amount we each receive naturally and much lower than permitted by regulation.

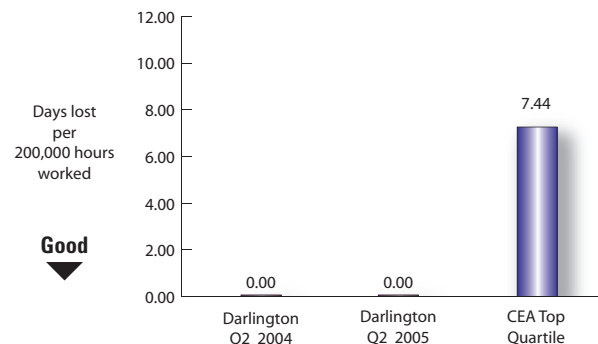


Keeping Our Employees Safe

Darlington's employee safety performance continues to be impressive as measured against other electricity companies. One measure is the employee Accident Severity Rate (ASR) which measures the

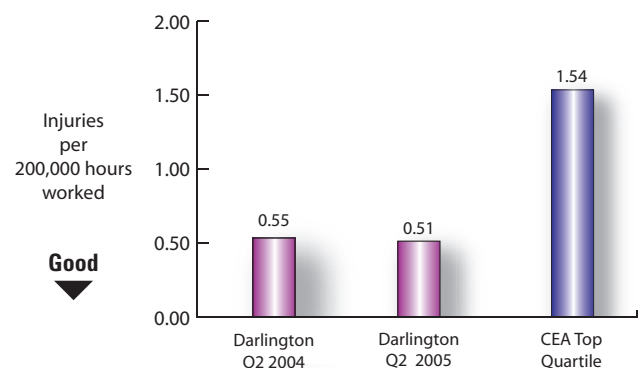
number of days lost due to injuries per 200,000 hours worked. In the second quarter of 2005, Darlington matched its second quarter 2004 record of 0.0 injuries per 200,000 hours worked. These results are better than the threshold for top quartile safety performance of 7.44 days lost per 200,000 hours (2002-2004 average) established by members of the Canadian Electricity Association (CEA).

Employee Accident Severity Rate



Darlington continued to improve its performance in another key safety measure - the employee All Injury Rate (AIR) which measures the number of workplace injuries per 200,000 hours worked. In the second quarter of 2004, the station had 0.55 injuries per 200,000 hours worked. In the second quarter of 2005, the rate at Darlington improved to 0.51 injuries per 200,000 hours. This result placed Darlington in the top quartile industry performance category, set by the CEA at 1.54 or lower (2002-2004 average).

Employee All Injury Rate



Both safety indicators reflect the priority OPG places on a safe workplace. Extensive ongoing training, constant refreshers and key messaging all play a role in putting employee safety first and foremost into our work plans.

Please note that the results for both ASR and AIR may differ from the 2004 Performance Report due to a change in method of calculation.

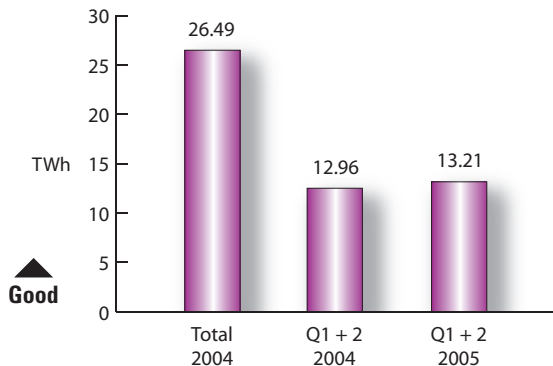
Safety Milestones

The safety of our employees, like the safe operation of our nuclear reactors, is a top priority in our operation. In the second quarter:

- The Electrical & Utilities Safety Association awarded its first-ever Gold Award, its highest distinction for excellence in safety, to OPG. Darlington was one of the OPG sites visited during the evaluation process.

Electricity Production

Darlington Electricity Production (TWh)

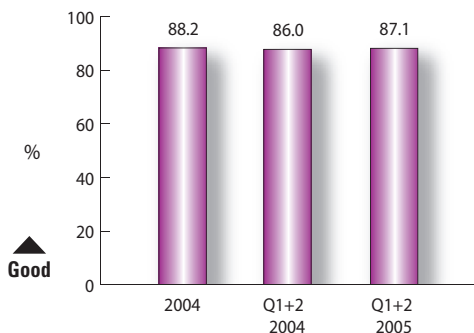


Building on successful production output in 2004, Darlington nuclear increased its output in the first half of 2005. From January to June, Darlington's four units produced 13.21 terawatt hours of electricity, up from 12.96 TWh for the same period in 2004. The Darlington station produced a total of 26.5 TWh in 2004. A terawatt hour is the equivalent of one billion kilowatt hours. The average home uses between 800 and 1,000 kilowatt hours a month.

Unit Capability Factor

The station is dedicated to continuously improving its electricity production. Darlington's unit capability factor – basically a percentage of perfect generation a unit is capable of producing during a specified period – was 87.1 per cent in the first half of 2005 compared to 86.0 per cent in the same six-month period a year earlier. The overall Unit Capability Factor in 2004 was 88.2 per cent. The Darlington station recorded the highest capability factor of any multi-unit nuclear station in Ontario during 2004.

Unit Capability Factor (%)



During the second quarter of 2005, the 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. Darlington Nuclear maintained its ISO 14001 accreditation in 2004, which signifies that the station has an environmental management system in place that meets a high international standard.



Significant Accomplishments

Some of the other significant accomplishments registered by Darlington Nuclear in the second quarter of 2005 include the following:

- On June 7 a field exercise, one of a series planned by the Durham Energy Management Office as part of Durham Region's ongoing Emergency Management Training Program, took place in the Orono Arena. The purpose of the exercise was to practise and evaluate procedures for the operation of an Emergency Worker Centre in the very unlikely event of an emergency. Police, fire, emergency medical services, transit workers, and OPG staff would use the Centre as a location for central reporting, registration, briefings, and decontamination. Agencies involved in the exercise included OPG, Durham Emergency Management Office, Durham Regional Police Service, Durham Region Emergency Medical Services, Municipality of Clarington Fire & Emergency Services, and Municipality of Clarington Works Department.
- Darlington employees were proud to present bursaries to students at local area high school graduation exercises in June. The bursaries recognize significant contributions in the sciences, environment and mathematics. The schools included: E.A. Lovell Continuing Education Centre; Durham Alternative Secondary School; Monsignor Paul Dwyer Catholic HS; Central Collegiate Institute; St. Stephen's Secondary School; G.L. Roberts Collegiate and Vocational Institute, and Clarke High School.
- On Thursday, April 28, Darlington staff gathered to remember those who have been injured or lost their lives while on the job. This annual Day of Mourning is a time to reflect on what each employee can do to prevent such tragedies in the future. Among the speakers at the Darlington ceremony were: OPG Chief Nuclear Officer Pierre Charlebois, Senior Vice President Gregory Smith, representatives from the Power Workers' Union, Society of Energy Professionals, and Canadian Union of Skilled Workers, as well as Clarington Mayor John Mutton.

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