

Ontario Power Generation Nuclear Report Card

Darlington Nuclear
First Quarter 2004



A Report Card is also available for Pickering Nuclear.
Report Cards are issued on a quarterly basis.

ONTARIOPOWER
GENERATION

Why a Report Card?

We issue our Nuclear report card as part of keeping our promise to operate in an open manner — in this case by providing key statistics on how well our nuclear stations are working.

The measurements chosen for use in the report card represent only a few of those we use to assess our performance.

The report card also compares our performance with industry benchmarks which are based on industry best practices or performance of top performing nuclear utilities. To learn more about our performance, please visit the Ontario Power Generation website at www.opg.com or call 905-623-7122.

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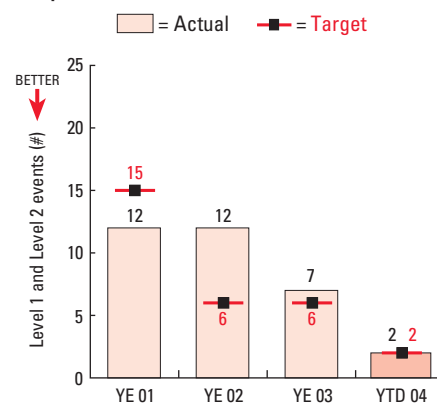


Public Safety

One gauge of how safe our stations are is the number of events that cause some reduction in the margin of public safety. Such events, in themselves, don't necessarily pose a danger to the public, but they do put pressure on the station's safety systems and therefore temporarily reduce the *margin* of safety.

This report card lists the number of Level 1 and 2 Reportable Events. A Level 1 Event is defined as highly significant. A Level 2 Event is significant.

Reportable Events ¹



¹ Data is cumulative

Reportable Events Summary:

As of the end of first quarter 2004, there have been 2 Level 1 and 2 Reportable Events at Darlington versus the target of 2. One of the events was due to the discovery of two penetrations into a steam protected room and the second was an empty backup instrument air supply bottle for a valve.

Another significant measure of safety system performance is the "Reactor Trip Rate" — the number of unplanned reactor shutdowns (per 7,000 hours of operation) triggered by automatic safety systems. Reactor trips indicate potential problems that need to be addressed — but they also demonstrate that safety systems are working as they should to catch these potential problems.

Reactor Trip Rate Summary:

As of the end of first quarter 2004, the Reactor Trip Rate measured 0.0, which is better than the target and the industry benchmark of one trip per 7,000 hours of operation per year.



Radiation Exposure to the Public

Dose To Public ¹			
	Q1 2004 Actual (μSv)	Q1 2004 Target (μSv)	Performance
Darlington	0.4	1.9	Better than Target

¹ Data is cumulative

This figure is an estimate of the radiation dose people would receive if they lived just outside the station boundary at their residences 24 hours a day, drank local water and milk, and ate local fish and produce. The dose is measured in microsieverts (μSv), an international unit of dose. By way of comparison, the average Canadian receives about 1,770 microsieverts a year from natural sources such as cosmic rays and radon in the soil.

Dose to Public Summary:

Calculation and reporting of the Dose to Public for 2004 quarterly reports has changed from previous years. The general calculation methodology has been updated and approved by CNSC. The quarterly dose estimate is preliminary and is based on limited data.

One important note. You'll see that on occasion we don't meet the targets we've set for ourselves. This doesn't indicate an unsafe situation. Our performance targets are set well within the range of safe operation. Any unsafe condition — or the potential of one — leads to the immediate shut-down of a reactor.

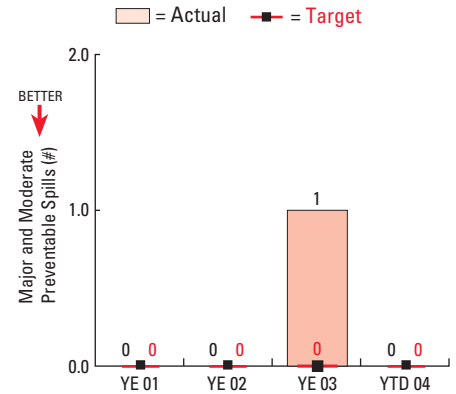
We're working hard to make our nuclear generating stations world performance leaders once again. We'll keep you informed of our progress through this report card.



Environmental Performance

The measure used to gauge environmental performance is the number of spills of chemicals or other substances that have taken place at the stations. These figures indicate "major and moderate preventable spills" reportable to the Ontario Ministry of the Environment.

Preventable Spills¹



¹ Data is cumulative

Preventable Spills Summary:

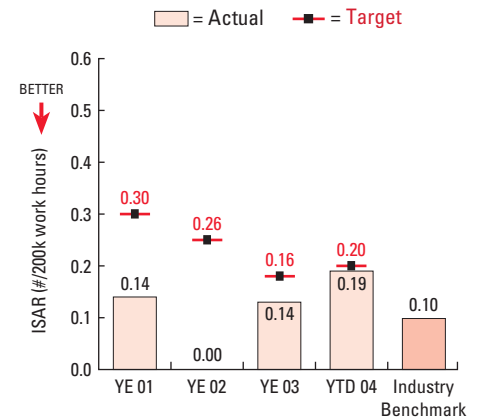
As of the end of first quarter 2004, there have been zero Category A and B Spills at Darlington.



Employee Safety

One of the most widely accepted measures of employee safety is the Industrial Safety Accident Rate — the number of employee accidents per 200,000 hours worked that result in lost time, injuries that restrict work, or fatalities.

Industrial Safety Accident Rate



Industrial Safety Accident Rate Summary:

ISAR has measured 0.19 as of the end of March versus the target of 0.2 employee accidents per 200,000 hours worked. A lost time accident (LTA) occurred in March when an employee removing scaffold material experienced pain in the neck, shoulder and upper back.

Another useful measure of employee safety is the Accident Severity Rate — the number of days lost to injuries per 200,000 hours worked.

Accident Severity Rate Summary:

The above-mentioned LTA has resulted in an Accident Severity Rate of 0.3 versus the year-to-date target of 0. The year end target for this measure is expected to be met.





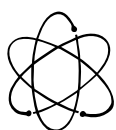
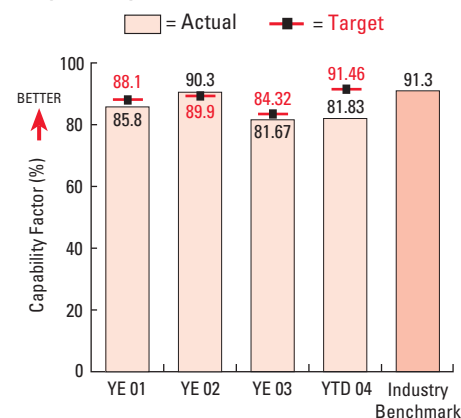
Electricity Production

One measure of how well the station is doing at producing electricity is the “Capability Factor.” This figure represents the amount of electricity the station is actually capable of producing per quarter as a percentage of its potential capacity — in other words, its capacity if all reactors and related systems were operating with no down-time at all.

Capability Factor Summary:

The Capability Factor of 81.83% was worse than the target of 91.46%. The below target performance is mainly attributed to required repairs to the fuel handling system.

Capability Factor

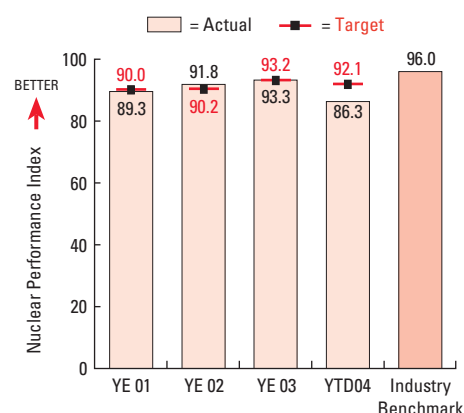


Nuclear Performance Index

This index, reported on a quarterly basis, is measured out of 100 and provides an overview of performance based on 9 key indicators that cover a number of areas, including reliability and production. The index is used by the World Association of Nuclear Operators (WANO) as one measure of a nuclear plant’s performance.

Note: The Nuclear Performance Index (NPI) methodology has been revised for 2004 reporting. The Industrial Safety Accident Rate (ISAR) is no longer included in the index calculation. The 5% weighting for ISAR has been re-assigned to other indicators. This change was made by the World Association of Nuclear Operators (WANO) and applies to all operators.

Nuclear Performance Index



Nuclear Performance Index Summary:

The Q1 2004 Nuclear Performance Index (NPI) is 86.3, which is worse than the target of 92.1. This quarter’s NPI represents a decrease of 7.0 points from Q4 2003.

Glossary

Index: A collection of statistics that, taken together, provide a useful standard or measurement.

WANO: World Association of Nuclear Operators — an international organization created to maximize the safety and reliability of the operation of nuclear power plants worldwide.

YE: Year-end

YTD: Year-to-date

Ontario Power Generation is an Ontario-based company, whose principal business is the generation and sale of electricity to customers in Ontario and to neighbouring markets. OPG’s goal is to be a premier North American company focused on low-cost power generation and wholesale energy sales while operating in a safe, open and environmentally responsible manner. For more information, please call 905-623-7122 or visit our website at www.opg.com