

Neighbours

A part of the community since 1978 • Volume 4 • Number 3 • Summer 2001



Enhancing Biodiversity Darlington's Waterfront Trail

Whether you enjoy walking, hiking, taking photographs, or observing wildlife, Darlington Nuclear's Waterfront Trail has something to offer everyone.

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Located just south of the 401 at Holt Road, this tranquil path provides a relaxing route along which our neighbours can experience a variety of nature's gifts without having to travel great distances.

In partnership with the Municipality of Clarington, Central Lake Ontario Conservation Authority, Darlington Provincial Park, Friends of the Second Marsh, Waterfront Regeneration Trust, Nature Trails, Children's Groundwater Institute, and a variety of educational institutes, we have taken important steps to conserve the environment, offering a safe haven where nature's creatures peacefully reside.

The trail is home to over 800 different species of wildlife, flora and fauna. Along the 7.5 kilometre trail, you may come across a white tailed deer, leopard frog, a jumping mouse, garter snakes, Eastern cottontails, barn owls, beavers, great blue herons, buckeye butterflies, and much more. Nested in a shielding of 315 species of plants and trees, the trail combines wetlands, meadows, and forests.

While travelling along the trail, watch for a variety of conservation initiatives that have been implemented. Along with our partners we have planted trees, installed a pond level control device, a hilltop observation platform, constructed a variety of bird boxes, nesting houses, perch poles, snake hybernaculas, butterfly gardens, and expanded the pond brooding habitat. These ongoing projects continue to strengthen Darlington's commitment to the environment and developing a natural habitat to protect a number of species.

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Site Vice President

We've all been through a hot, dry summer, during which Ontario set new peak demands for electricity. To meet these peak demand periods in winter and summer, we must ensure that Darlington's four nuclear reactors are operating at peak efficiency.

In order to ensure that they are available when you need power the most, we use the off-peak seasons of fall and spring to perform maintenance work on the units. Our maintenance schedule calls for each unit to receive an overhaul once every two years. We had a successful planned maintenance outage of one unit in the spring. The next major work on a unit will begin in October.

Compared to the service you have performed on the family car, these scheduled maintenance outages are very complex. They depend on good planning and good execution of the plan. We are fortunate to have at Darlington a highly skilled and dedicated staff who has been safely working toward improving our performance during each and every outage.

So the next time you hear about record electricity peaks, you know that Darlington, which produces about 20 per cent of Ontario's power, is prepared to do its share.

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Our overall station performance continues to improve thanks to the efforts of all our employees. The Nuclear Performance Index, a weighted composite of 11 performance indicators, summarizes Darlington's operational performance over a rolling two-year period. We continue to get better as some earlier programs we initiated start showing positive results.

...

It's been a busy season in the community as we've opened up our Information Centre to a number of groups. Every Wednesday, about 100 children ranging in age from 4 to 13 years took part in day camp activities coordinated by the Clarington recreation department and Ganaraska Region Conservation Authority. Wednesday afternoons saw more young people at the centre's parking lot taking advantage of Clarington's mobile skateboard park. We've also partnered with Darlington Provincial Park and offered bus tours to campers on Tuesday and Thursday afternoons throughout the summer. One of the highlights, though, was watching more than 350 young people and their parents enjoy the many aspects of our Waterfront Trail as we hosted a Kidsummer event with several community partners on July 30. Everyone left with a better appreciation of nature, biodiversity and outdoor opportunities offered at the waterfront trail.

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In late June we were host to the Director General of the International Atomic Energy Agency as well as other IAEA officials and representatives from the Canadian Nuclear Safety Commission and federal government. The IAEA, based in Vienna, is the world's central intergovernmental forum for cooperation in peaceful uses of nuclear energy. Director General Dr. Mohamed ElBaradei toured our station as well as the proposed site of the ITER facility should Canada be successful in being the host country for this exciting research and development activity.

NUCLEAR PERFORMANCE MONTHLY REPORT CARD FIRST HALF RESULTS — DARLINGTON

Darlington Nuclear issues monthly Report Cards as part of our promise to operate in an open manner. The report cards measure our performance against standards used by the World Association of Nuclear Operators (WANO), an independent international organization created to ensure a high standard of excellence among nuclear operators around the world.

Report cards are also produced for Ontario Power Generation's other nuclear facility in Pickering.

The most recent report card provides information on Darlington's operation in the first six months of 2001.

The report cards are made available to a wide range of groups



including community and the media.

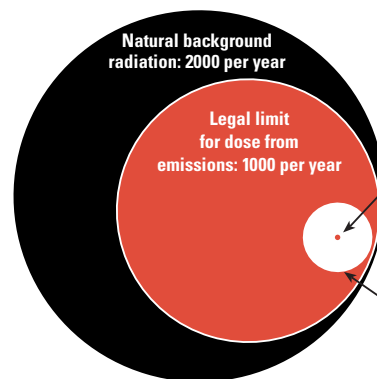
Copies of the Report Card are available at the Darlington Nuclear Information Centre, the Ontario Power Generation Web site (www.opg.com) and by "Fax on Demand" by calling **1-800-238-7718** and asking for story code **10420**.

RADIATION INDEX — SECOND QUARTER 2001 RESULTS

The radiation doses due to emissions are for the most exposed persons living near the Darlington Nuclear site. They would typically apply to persons living just outside the site boundary who are at their residence 24 hours a day, who drink local water, and eat local fish and produce. The doses were calculated using actual data from routine analysis of air, water, fish and vegetation samples, as well as site emission data.

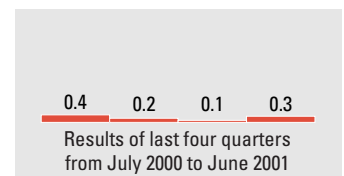
Most persons would actually receive less than the doses indicated because they have different eating habits or live farther away from the station. Radiation doses decrease significantly as the distance from the station increases.

Since the pathway for liquid emissions is less dominant, more than 90% of the radiation dose received from the stations was due to air emissions.



Radiation dose due to emissions from Darlington Nuclear:

April 1 to June 30, 2001:	0.3
Total for 2001:	0.4



Dose from a single chest x-ray: about 70.0

Dose is reported in microsieverts (μSv), an international unit used to measure radiation dose

Information is prepared by the Canadian Nuclear Safety Commission (CNSC).

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In the community

We've had a busy summer

Our Waterfront Trail and Information Centre have seen a lot of activity this summer as we have partnered with several groups to provide programs for the community. A special Kidsummer event was held at the end of July and attracted hundreds of youngsters and their families. Weekly day camps and visits by a mobile skateboard park each Wednesday, as well as regular public tours kept our staff hopping.



We thank our many partners for their assistance. Among them are Central Lake Ontario Conservation Authority, Ganaraska Region Conservation Authority, Darlington Provincial Park, Native Cultural Centre of Durham Region, Clarington Recreation Department and Clarington Community Services Department.

Darlington Nuclear is pleased to have helped support many community organizations and events over the summer months.

- Financial assistance was provided to organizers of the Great Canadian Band Festival in Orono.
- A new 25-horsepower outboard motor was donated to the Clarington Fire Department for use on the department's water rescue boat.
- A team of Darlington employees raised more than \$2,800 in the Big Bike for Stroke ride in Bowmanville.
- The Racing Against Drugs program in Clarington received financial assistance through Ontario Power Generation's Corporate Citizenship Program.
- Darlington Nuclear was a sponsor of the Downtown Blues and Jazz Festival series in Oshawa.
- Late summer and early fall involvement includes support for the Orono Fair, Terry Fox Run, Durham Region Countryside Adventure, Clarington Community Safety Day and more.

Mark your calendars: On Friday, Sept. 28, the Darlington Information Centre will be transformed into a crime scene as an Evening of Murder Mystery is presented to help raise money for the Clarington Youth Advisory Committee. For ticket information, call 905-623-6814, ext. 32 or 22.

Waterfront Trail *(continued from page one)*

Since 1985, when the land surrounding the station was cleared for construction, we have worked cooperatively with our partners to reunite the natural environment with the species that once lived there. The success of this effort is evident as you travel the trail.

In 1999, Darlington was honoured by the Wildlife Habitat Council, which

now recognizes the site as a corporate Wildlife Habitat. To add to this distinction, Darlington is also certified under ISO 14001, the international quality environmental standard for industry.

The contributions and efforts of all involved at Darlington have made it possible for the trail to be developed and maintained. These continued

steps will further enhance the protection of the land and its wildlife while offering the community a place to enjoy.

For more information, contact the Darlington Nuclear Information Centre toll free at 1-800-461-0034.

OPEN HOUSES held to explain used fuel dry storage project EA

More than 125 people attended public open houses held in June to explain the Environmental Assessment being done for the proposal to build a used fuel dry storage facility at the Darlington site.

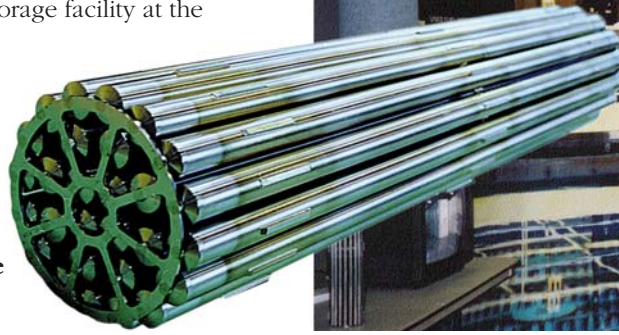
Ontario Power Generation staff and consultants were on hand to answer questions at the open houses, held in Oshawa, Bowmanville, Courtice, Port Perry and Port Hope.

Objectives of the open houses were to:

- Introduce the project and the environmental assessment to identified stakeholders and the general public,
- Provide information about the project and the EA study process, and
- Identify any public concerns or issues that should be addressed.

Seventeen display panels described the proposed project and the environmental assessment process. As well, a three-minute video tape and display material helped illustrate the process of transferring used fuel from wet to dry storage, and the storage processes.

The vast majority of visitors wanted to obtain information about the project, ask questions and learn how they or their community might be affected. A few visitors did raise concern about the pro-



OPG staff and consultants were on hand to answer questions and explain the project to open house visitors.

ject and the storage of nuclear waste in their community. The areas of interest most frequently mentioned were related to:

- Safety,
- Environmental protection measures, and
- Long-term storage of used fuel.

The next round of public open houses will be held in early 2002. For more information about the proposal and other related areas of interest, visit our Web site at www.opg.com/DarIEA, or call our toll-free number: 1-888-413-2226.

Canada makes formal bid for new ITER R&D centre

A bid to establish a \$12 billion fusion energy research and development centre in Canada was launched in June at a meeting of the International Group of ITER in Moscow.

If the Canadian bid is successful, the centre would be located in Clarington on a site east of the Darlington nuclear station.

"With the support of the government of Canada, the endorsement we have received from the government of Ontario and the continuing commitment of our private sector, labour, university and local community members in Clarington and surrounding municipalities, we believe ITER Canada is in a very strong position to win this project for our country," said Dr. Peter Barnard, Chairman and Chief Executive Officer of ITER Canada.

ITER Canada is a not-for-profit corporation with members from universities, labour, industry and government committed to locating the world's ITER Fusion Energy Research & Development Centre in Canada.

Canada's bid has been reviewed at a follow-up meeting in Vienna and the next series of meetings — really negotiations to see who will host the project — will be held in Toronto in early October. ITER is an international fusion energy research and development centre, planned by a unique international collaborative effort with participation from Russia, the European Union, Japan and Canada.

The goal of this centre is to develop fusion energy as a safe, clean and sustainable energy source for the planet. The ITER project will be the second largest research and development project in the world after the International Space Station.

If the Canadian bid is successful, ITER will provide access for Canadian industry and universities to cutting-edge fusion technologies. The project will also inject hundreds of millions of dollars into the Canadian economy by providing jobs, new business and technical expertise.

Neighbours

Darlington Neighbours

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