

February 16, 2010

**Pickering Nuclear Select Achievements and Milestones: 1999-2009**

Pickering Nuclear has achieved a number of milestones over the past decade – continuing to demonstrate its commitment to performance, service and success while contributing to the quality of life in its host community. The following examples are illustrative of this commitment:

**1999**

- Establishment of the Pickering Community Advisory Council (CAC) to provide advice and feedback to Pickering management on key issues. Management reports regularly to the CAC and proceedings are published on OPG.com.
- Wildlife Habitat Council awards Pickering nuclear its Corporate WHC certification, recognizing meaningful wildlife habitat management programs.
- Pickering Nuclear receives ISO 14001 certification for its environmental management system.

**2000**

- **May-June:** First Pickering Neighbourhood Walk: OPG employees visit more than 12,000 households in the Pickering and Ajax areas to provide local residents with information and answer questions about OPG. A “Mini” Neighbourhood Walk lasting three days was organized in September. Both walks reached a total of 16,000 households.
- **July:** Pickering B’s four units operate for one million hours (85 days) without a lost time accident.
- **September - October:** Successful completion of the Pickering Vacuum Building Outage involved temporary shut-down of all Pickering units. The Pickering VBO takes place every 10 years.

**2001**

- **March:** OPG announces a major donation of \$1 million to the Ajax and Pickering Health Centre to help establish the OPG Nuclear Medicine Clinic.
- **March:** CNSC grants 27 month operating licenses to Pickering A and B units.
- **May:** Second Pickering Neighbourhood Walk reaches 7,000 homes and involves 200 OPG employee volunteers.
- **July:** Pickering B exceeds two million hours without a Lost Time Accident (LTA).

- **November:** Pickering station is awarded “Habitat of the Year” award at the Wildlife Habitat Council’s annual symposium in Washington D.C.
- **December:** Official opening of the OPG Nuclear Medicine Clinic at Rouge Valley Ajax and Pickering Hospital.

## 2002

- **January:** Pickering GS receives environmental award for “outstanding environmental performance” from the City of Pickering at its 2001 Civic Awards ceremony.
- **February:** Completion of the Pickering Free Release project, enabling employees to move freely through accessible areas of the reactor building. A team of Radiation Protection and Civil Maintenance individuals worked 20,000 hours to decontaminate all accessible areas. This is the largest free release project in the world, an industry first for Pickering and an important safety milestone for OPG.
- **February:** Opening of 777 Brock Road building to accommodate 450 Pickering Nuclear support Employees.
- **March:** Universal Delivery Machine (UDM) arrives at Pickering site. The UDM will allow inspections and maintenance to be performed at a much faster rate than current technologies – leading to shorter and more efficient outages.
- **July:** Pickering B reaches two million hours worked without a lost time accident. In approx. the same time period, Pickering A reaches three million hours without an LTA – for a total of five million hours worked without an LTA
- **December:** Pickering B, Unit 5 outage completed. Outage lasted 121 days; was originally planned to last 117 days. Over 13,000 tasks were completed, representing the largest single outage to date ever completed on Pickering B. The extension of only four days on a 117 planned outage is the best planned outage performance in recent history at Pickering B.

## 2003

- **January:** Pickering Public Affairs Manager Pat O'Brien is awarded Rotary International's highest honour, the Paul Harris Fellow Award in recognition of his contribution to the community. The award was presented by the Pickering chapter of Rotary International.
- **June:** The CNSC approves the renewal of the operating licences for Pickering A and B. The Pickering A licence is renewed for two years. The Pickering B licence is renewed for the maximum renewal period of five years.
- **August:** Ontario Energy Minister John Baird visits Pickering Nuclear staff to thank them for their efforts and hard work following the August 14 power blackout.

- **September:** Pickering A, Unit 4 is commercially available for service, flowing a lay-up period of six years. Since January, 2001, employees have completed almost 35,000 tasks, including the replacement or modernization of many major system components.
- **October:** Pickering Nuclear station receives the 2003 Business Excellence Award from the Ajax-Pickering Board of Trade for its community support and contribution to the local economy.
- **November:** Completion of Pickering B Boiler Chemical Cleaning, begun in 2001. The \$90 million project was completed in 30 months and involved cleaning all four units of Pickering B. It will significantly reduce the probability of forced outages due to boiler tube leaks.

## 2004

- Launch of major program to improve performance of Pickering B – with the goal of having Pickering B achieve and sustain a capacity factor of 85 per cent and a five per cent forced loss rate.
- **February:** Pickering A achieves over 2.3 million hours or 401 days, without an LTA; and Pickering B achieves over 2.1 million hours or 303 without an LTA.

## 2005

- **June:** Official opening of 889 Brock Road facility in Pickering. The building would house OPG nuclear support staff.
- **June:** The CNSC grants Pickering A nuclear generating station a five-year operating licence. Prior to the announcement, the station operated under a two-year licence.
- **July:** During a record heat wave in Ontario, three units at Pickering B operate at near 100 per cent capacity while the remaining unit, which was undergoing a planned outage, returned to service in time to help meet the high electricity demands brought on by the heat wave. Eight of OPG's nine operational nuclear units were online at full power, with the remaining unit finishing a maintenance outage and scheduled to return to service within the week.
- **September:** Pickering A Unit 1 is synchronized to the provincial grid. Electricity is flowing from this unit to the Ontario consumer for the first time since December 1997. The project was completed safely and virtually on time and on budget.

## 2006

- **January:** Pickering B Unit 7 achieves one year of consecutive on-line operation.
- **January:** Pickering A achieves four million hours without an LTA.
- **May:** Third Pickering Neighbourhood Walk
- **May:** Pickering Nuclear receives the City of Pickering's 2005 Civic Award for outstanding support for and participation in community activities.
- **August:** OPG announces it will proceed with an Environmental Assessment (EA) as part of its business case study for a potential refurbishment and life extension of the Pickering B nuclear plant.
- **November:** Completion of major four-year Spacer Location and Repositioning (SLAR) program at Pickering B. The program involved the inspection and maintenance since 2002 of over 1,500 of the station's fuel channels.

## 2007

- **September:** Pickering B reaches three million hours work without an LTA
- **October:** Don Terry, OPG Public Affairs Manager at Pickering nuclear generating station, receives Pickering Rotary Club Community Leadership Award.
- **October:** Pat McNeil, OPG SVP Nuclear Generation Development, receives the Business Person of the Year award from the Ajax-Pickering Board of Trade.
- **November:** Pickering wins Wildlife Habitat Council 2007 Corporate Habitat of the Year. Pickering also received the Wildlife at Work re-certification

## 2008

- **January:** Pickering B achieves 4 million hours worked without an LTA. This means employees at Pickering B have worked for a sustained period of 469 days straight without a disabling injury (since September of 2006)
- **January:** Pickering Public Affairs Director, Don Terry, officially installed as President of Ajax-Pickering Board of Trade at its 2008 President's Inaugural Dinner.
- **February:** Durham College celebrates its 40<sup>th</sup> anniversary and thanks OPG for hiring Durham graduates by holding a special luncheon in OPG's honor.
- **March:** Pickering Waste Management facility receives 10 year licence.
- **May:** Public hearing is held in Ajax on Pickering B's relicence. The hearings featured robust dialogue between CNSC members, OPG staff, CNSC staff, and public intervenors. There were 16 supportive interventions from elected officials, organizations and individuals within Pickering's host communities. All interventions from Pickering and Ajax were positive.

- **May:** Pickering A Unit 4 surpasses the previous record of 221 days of continuous operation since return to service (RTS). Unit 4 is currently the second longest running unit in OPG's nuclear fleet having been online since the inter-station transfer bus (ISTB) outage ended on October 13, 2007
- **June:** Pickering B employees work over one million person-hours without an LTA
- **June:** CNSC announces its decision to renew Pickering B's operating licence for another five-year period until June 30, 2013.
- **July:** Pickering A reaches one million hours without an LTA.
- **October:** The Safe Communities of Pickering-Ajax (SCOPA) presented OPG with its Ambassador for Safety Business Partner Award during an Oct. 9 conference in Ajax.

## 2009

- **January:** Unit 6 recognized as having the fourth highest capability factor for a CANDU unit worldwide in 2008; a very strong run which continued until it was taken offline for planned maintenance in the fall, 2009.
- **May:** Pickering B achieves four million person-hours worked without a lost-time accident.
- **June:** CNSC releases its 2008 *Staff Integrated Safety Assessment of Canadian Nuclear Power Plants*. Darlington achieves a "full satisfactory" overall rating, the highest level. Pickering A and B received "satisfactory" ratings, the second highest level in the CNSC ranking system.
- **August:** Jacquie Hoornweg, OPG Director, Nuclear Public Affairs installed as chair and president of Durham Strategic Energy Alliance.
- **October:** Pickering B reaches six million hours without a lost time accident.
- **November:** Unit capability rates for two Pickering units reach more than 90 per cent year-to-date: Unit 7 (94.4) Unit 8 (91.84).

For More Information, Contact:

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