

Performance Report for Nuclear Waste Management

2011
RESULTS

Performance Update

As part of our commitment to keep you informed, this report tracks performance for Ontario Power Generation's Nuclear Waste Management Facilities in the areas of safety performance, reliability, environmental performance and significant accomplishments achieved during 2011.



Environment - Performance Index

During this period our waste facilities continued to demonstrate exceptional performance. No environmental infractions or major or moderate spills to the environment were recorded which exceeded the target of 3.



Reliability - Unit Capability Factor

Unit Capability Factor is basically a percentage of the potential maximum waste that could be processed over a specified period. In 2011 the ability to accept low and intermediate level waste recorded a very high unit capability factor of 100 per cent which exceeds the 95 percent target.



Reliability

The management of used fuel Dry Storage Containers (DSC's) was also tracked and the three facilities continue to focus on safe production. In 2011 a total of 199 DSC's were processed across all facilities reaching the target for the year. Total production increased verses a year ago when 192 were processed.

Safety

Accident Severity Rate

The industrial Accident Severity Rate (ASR) measures the number of days lost due to employee injuries per 200,000 hours worked. During 2011 the facilities recorded 0.40 days lost per 200,000 hours worked. This is an improvement from the previous quarter of 0.54.



Employee All Injury Rate

The All Injury Rate (AIR) measures the number of workplace injuries per 200,000 hours worked. During 2011 we recorded .40 injuries which is in the top quartile of the industry performance target set by the Canadian Electrical Association and above our 2011 target.



Transportation Safety

The transportation of waste to Western from Darlington and Pickering is managed by experienced and skilled drivers. After making a total of 429 shipments in 2011 there were no transportation incidents and the preventable collision rate (which is a factor of the number of safe trips over 1.6M km) was very good at 0.7 and lower than the year end target of 1.3.



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About OPG's Nuclear Waste Management Division

OPG's Nuclear Waste Management Division (NWMD) manages three sites. The Western Waste Management Facility (WWMF) in Bruce County receives and manages the low and intermediate level waste for Darlington, Pickering and Bruce Power Nuclear Stations. Facilities to manage interim Used Fuel Dry Storage containers are located at Pickering and Darlington and at the WWMF.



Keeping you informed about milestones and items of interest achieved by the Nuclear Waste Management Division and across OPG:

- Another important milestone has been reached for the for Ontario Power Generation's proposed Deep Geologic Repository (DGR) Project for low and intermediate level waste (L&ILW). The Joint Review Panel (JRP) has announced the beginning of a six-month public review period beginning Feb. 3 for the project's Environmental Impact Statement (EIS) and Preliminary Safety Report (PSR). The public review period provides an opportunity for the JRP, public, interested stakeholders and Aboriginal communities to review, assess and comment on whether the EIS and PSR documents adequately address the requirements of the guidelines issued for the DGR Project in January 2009. For more information about the public review period and the appointment of the JRP, and to access the DGR submission documents, please visit OPG's DGR website.
- The Waste facilities continue to ensure good compliance and audits inspections from both internal and external regulatory bodies.
- OPG reached significant safety milestones at both of our nuclear generation sites, with Darlington reaching 12 million hours without a lost-time accident (LTA) and Pickering's Units 5-8 reaching more than seven million hours without an LTA.
- Darlington Nuclear refurbishment program submitted the Integrated Safety Review report and Environmental Impact Statement (EIS) and supporting technical documents to the Canadian Nuclear Safety Commission (CNSC) for review.
- The conclusions from both studies were positive and demonstrate a strong safety and environmental case for refurbishment that could start as early as 2016.
- The Western Waste Management Facility supported the annual October Pumpkinfest held in Port Elgin where 57,000 visitors attended. This year a world record was set with a squash weighting in at 1486.60 lbs. Cool Science from Science North, in the OPG Environment tent, was another of the key activities visited at the fair.
- OPG presented Secondary and Post Secondary School scholarship awards to 245 students across the province including students from Saugeen Secondary School and Kincardine High School.
- Over 500 Grade 9 students participated in the Take Our Kids to Work program at OPG on November 2. Events and activities were held at 17 stations and sites across the province. Students went on plant tours, participated in hands-on activities and visited their sponsors' workplaces. Information sessions developed specifically for students included topics such as career opportunities at OPG, career planning and young worker safety.
- At the November official opening of the Lake Huron Learning Centre in Kincardine OPG was recognized as a key corporate sponsor. This Learning Centre is now equipped and capable of delivering college level courses as well as skills training to young people and adults in the community. The Centre will continue to work collaboratively with Colleges, local industries and residents to establish additional courses to meet the demand.