

OECD Nuclear Energy Agency
International Atomic Energy Agency



INFORMATION SYSTEM ON OCCUPATIONAL EXPOSURE

General Distribution

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ISOE Information Sheet

**North American Technical Center
Information System on Occupational Exposure**

2011 CANDU Occupational Dose Benchmarking Charts

NATC ISOE Information Sheet No. 11-6

NATC ISOE Information Sheet 11-6 shows the occupational dose data for all Canadian reactors in 2011. All doses reflect data from Appendix D of the CNSC Staff Integrated Safety Assessment of Canadian Nuclear Power Plants for 2011. The information tables are arranged in the following order:

Table 1: 2011 CANDU Outage Dose

Table 2: 2011 CANDU Routine Operations Dose

Table 3: 2011 CANDU Dose per Reactor

Table 4: 2011 CANDU Occupational Dose Data

Table 1: 2011 CANDU Outage Dose

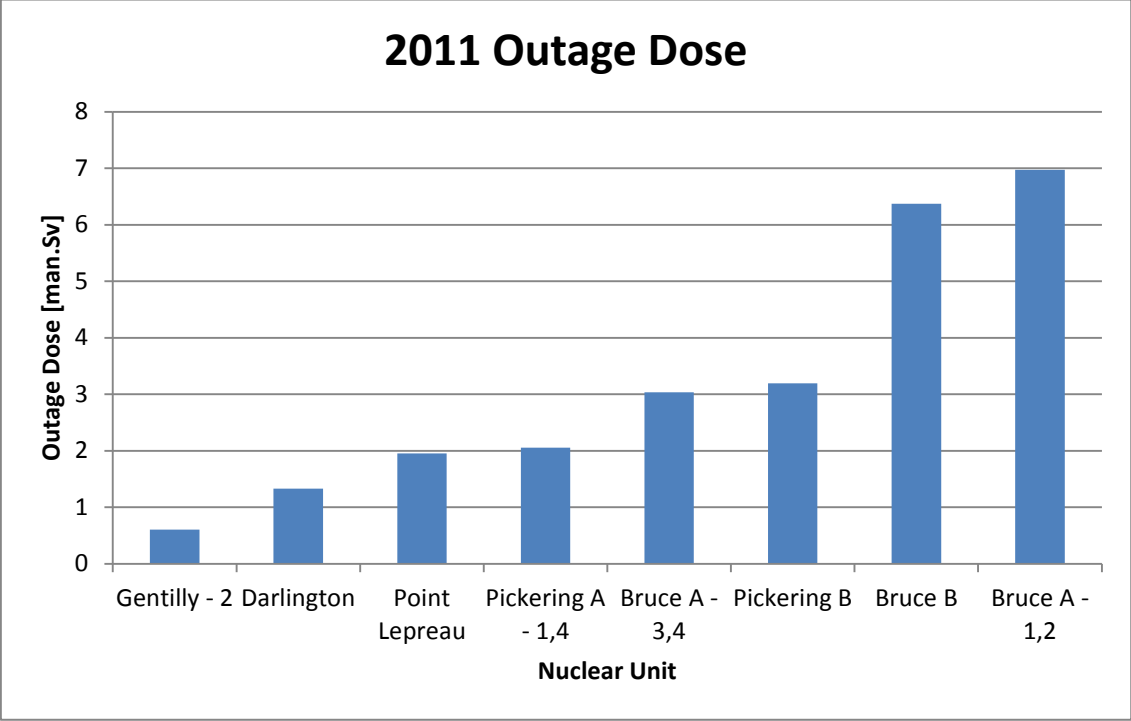


Table 2: 2011 CANDU Routine Operations Dose

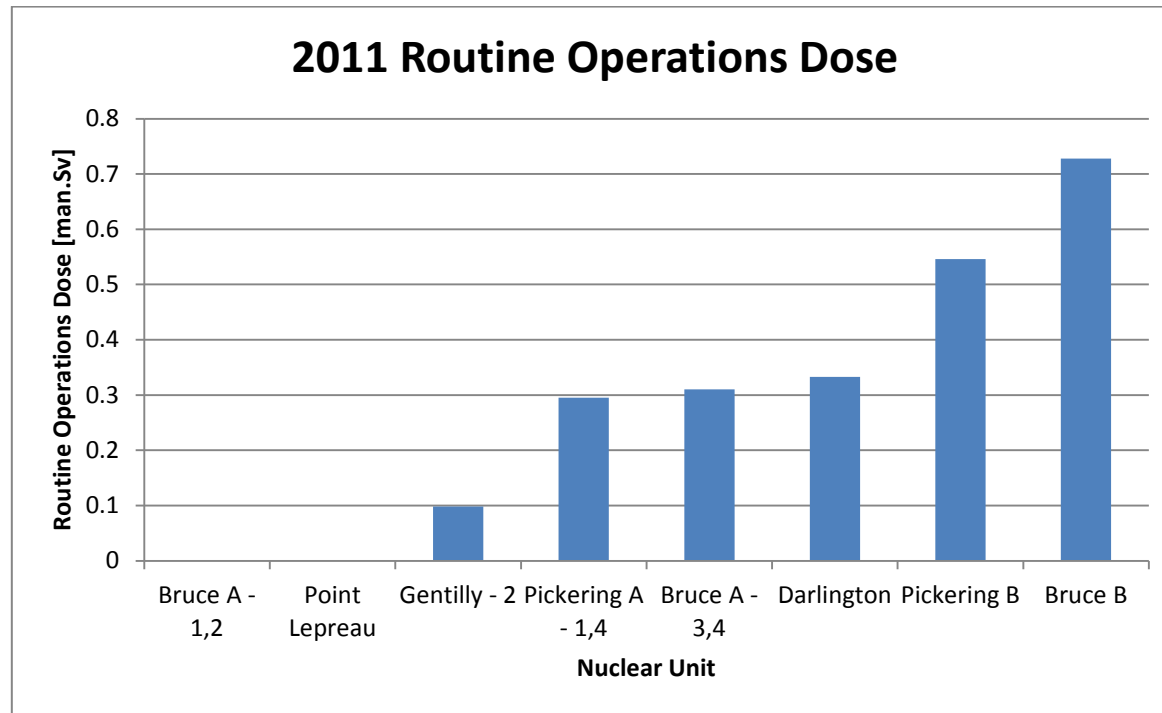


Table 3: 2011 CANDU Dose Per Reactor

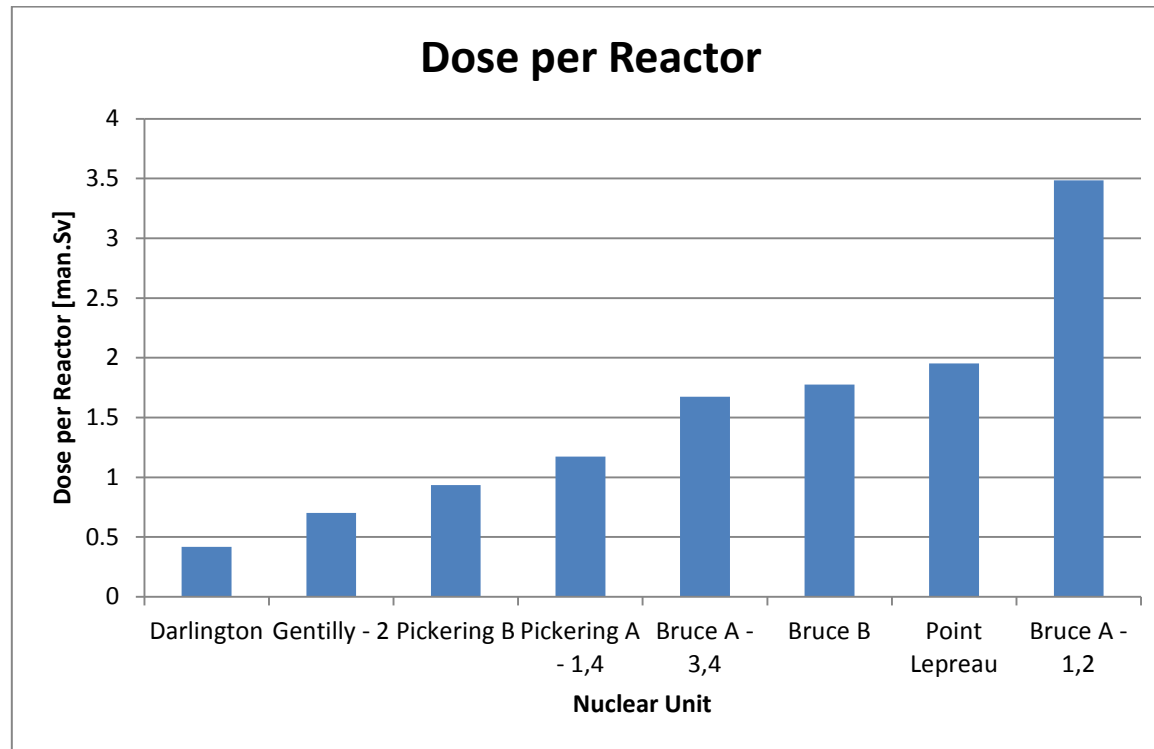


Table 4: 2011 CANDU Occupational Dose Data

Nuclear Unit	Outage Dose [man.Sv]	Normal Operation [man.Sv]	External Dose [man.Sv]	Internal Dose [man.Sv]	Total Site Dose [man.Sv]	Dose per Reactor [man.Sv]
Bruce – 1 *	6.971	0.000	6.810	0.161	6.971	3.486
Bruce – 2 *						3.486
Bruce - 3	3.038	0.310	3.103	0.245	3.348	1.674
Bruce - 4						1.674
Bruce - 5	6.374	0.728	6.611	0.491	7.102	1.776
Bruce - 6						1.776
Bruce - 7						1.776
Bruce - 8						1.776
Darlington - 1	1.333	0.333	1.556	0.110	1.666	0.417
Darlington - 2						0.417
Darlington -3						0.417
Darlington - 4						0.417
Gentilly - 2	0.604	0.098	0.583	0.119	0.702	0.702
Pickering – 1	2.053	0.295	2.051	0.297	2.348	1.174
Pickering – 2 **	0	0.000	0.000	0.000	0.000	0.000
Pickering – 3 **						0.000
Pickering - 4						See Pickering Unit 1
Pickering - 5	3.195	0.546	3.180	0.561	3.741	0.935
Pickering - 6						0.935
Pickering - 7						0.935
Pickering - 8						0.935
Point Lepreau – 1 ***	1.953	0.000	1.923	0.030	1.953	1.953

* Bruce A – 1,2: Undergoing Refurbishment

** Pickering A – 2,3 in safe storage since 2008

*** Point Lepreau – 1 shut down for refurbishment on 3/28/2012