

2003 J.S. Hewitt Team Achievement Award
Bruce A Restart Safety Analysis Team

The Bruce A Restart Safety Analysis Team has made a crucial contribution to the success of Bruce Power in receiving a licence for the restart of Bruce A Units 3 and 4. The team consisted of staff from Bruce Power and from the AECL-NNC Safety Analysis Consortium, comprised of AECL, NNC, Candesco Research, and Atlantic Nuclear Services. In 2001, this consortium was awarded the contract to perform the safety analysis for the Bruce A restart. From 2001 July, the start of the project, to 2003 February, a very large scope of work in safety analysis was performed, such as analyses of large-loss-of-coolant events, in-core breaks, low-power conditioning, loss of flow, neutron overpower protection, effect of higher void reactivity, boiler-tube leaks, etc. The analyses, reported in 180 documents, were done to rigorous quality-assurance standards, and resulted in a compelling safety case. The team's tremendous effort was rewarded by the granting of a CNSC operating licence for Bruce A Units 3 and 4 on April 4, only 20 months after initiation of the project. This remarkable achievement, made possible by focused collaborative teamwork among many industry partners, has earned the J.S. Hewitt Team Achievement Award for the Bruce A Restart Safety Analysis Team.