

Chalk River Laboratories' Employee Safety Performance

AECL's [Health and Safety Policy #00-009](#) commits AECL to limit exposures to radioactive materials to ensure that doses are kept below regulatory limits and are as low as reasonably achievable, taking into account social and economic factors (the ALARA principle).

AECL has an extensive dosimetry monitoring program to measure the dose to AECL's employees, contractors and visitors. This program meets the regulatory standard S-106 and is licenced by the Canadian Nuclear Safety Commission (CNSC). Dosimetry results are regularly submitted to the CNSC as confirmation that we are operating safely. This information is also available to the public through our website, upon request and through other community relations initiatives.

Click here for the most recent report [Health and Safety Performance Report](#).

Radiation Dose Experience at CRL

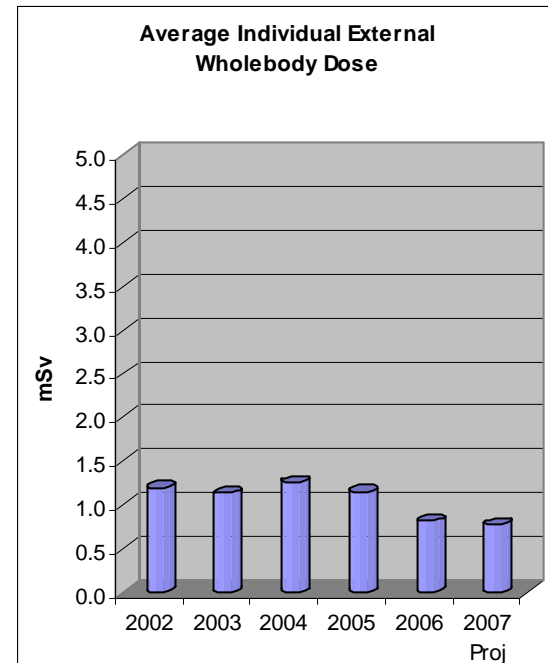
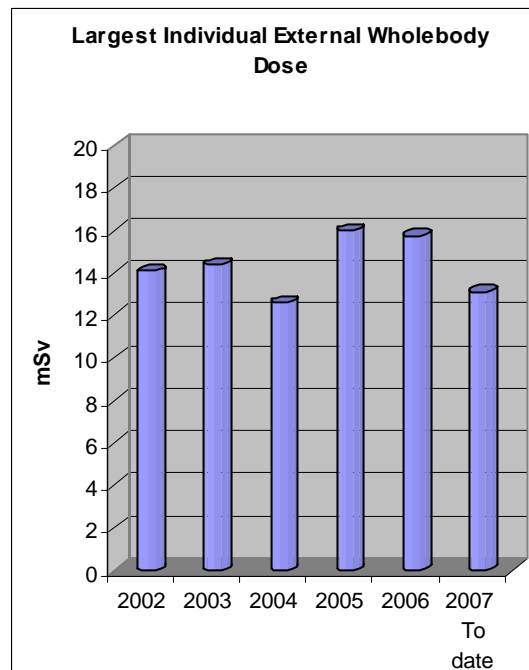
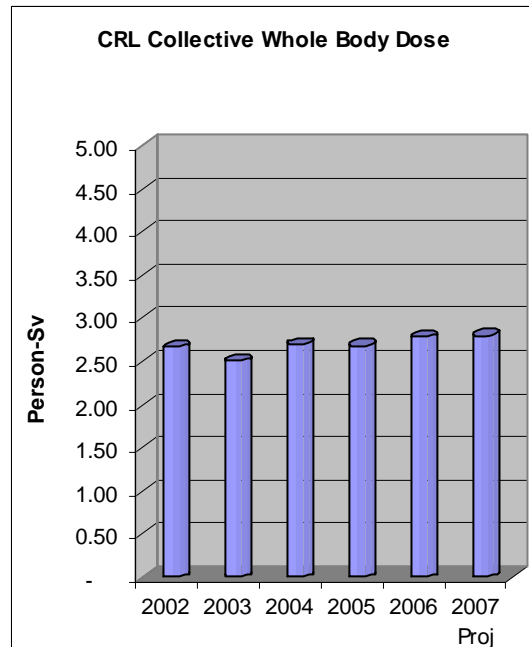
The dose of radiation is expressed as *millisieverts (mSv)*, an internationally accepted unit for measuring radiation and its biological effects.

The CNSC regulatory limit of wholebody dose for a Nuclear Energy Worker is **50 mSv per year and 100 mSv in a 5-year period**.

Typically, Canadians receive between 2 and 4 mSv per year from a number of sources shown in the following link:

[Comparison of Radiation Sources](#)

Over the past five years, doses to Chalk River Workers have shown a consistent trend of being well below regulatory limits. This is expected to continue in 2007. Increased collective dose reflects improved reporting capability in that contractor doses are now included. Additionally higher staffing levels and increased work activity with decommissioning work will contribute to small increases in collective dose.



*Data for 2007 to date. Employees' personal dosimetry badges are regularly read and processed every four weeks.