



## Allan Hedin

### License Application for a Spent Nuclear Fuel Repository in Sweden

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First author

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#### BIOGRAPHY

Allan Hedin is a senior company specialist on safety assessments at the Swedish Nuclear Fuel and Waste Management Company, SKB. He received a M.S. in Engineering Physics from the University of Uppsala in 1983 and a Ph.D. in Ion Physics from the same university in 1987. His thesis concerned theoretical and experimental work on interactions between fast heavy ions and solids with applications in mass spectrometric techniques. After four years of further academic research in the field of laser-induced desorption, he was employed by the Swedish National Chemicals Inspectorate in 1991 to work with risk assessments of chemical substances and products. Allan Hedin has been working with SKB since 1994. He was originally employed to work with probabilistic radionuclide transport calculations and has gradually obtained more general responsibilities for safety assessment methodology issues. He was the project leader for the assessment of long-term safety supporting SKB's licence application for a final repository for spent nuclear fuel at the Forsmark site in Sweden, filed in March 2011. Allan Hedin is a member of the OECD Nuclear Energy Agency's Integration Group for the Safety Case (IGSC). He has taken active part in several international projects organised within the IGSC and was responsible for reviewing the safety assessment methodology in the NEA international peer reviews of two assessments produced in the French nuclear waste programme in 2001 and 2005, respectively.

