

Title:

Development of the repository for spent nuclear fuel in Sweden.

Need for continued technology development and large scale experiments

1. Profile Information of Dr. Johan Andersson

Johan Andersson is Technical Design Manager for the Nuclear Fuel Programme at the Swedish Nuclear Fuel and Waste Management Co. He has a Msc in Engineering Physics, a PhD in Water Resources Engineering and a Dphil (docent in Swedish) in Hydraulics. He was part time professor in Engineering Geology at Chalmers Institute of Technology 1999-2003. After four years of post doctoral research on modelling flow and transport in porous media and crystalline rock he spent 6 years at the Swedish Nuclear Power Inspectorate managing, among other things, the inspectorate's integrated performance assessment projects and had a leading role in reviewing industry's research programmes. Between 1995 and 2011 he has worked as consultant providing general advice on projects related to development and safety assessment of radioactive waste repositories and other installations with environmental implications. Clients included the Swedish Nuclear Fuel and Waste Management Co. (SKB), Posiva Oy Finland, Nuclear Waste Management Organisation of Japan (NUMO), Bundesamf für Strahlenschutz (BfS) and OECD/NEA. He has more than 20 years experience in assessing the Environmental Impact and Safety of nuclear waste repositories and on research related to hydrogeology and transport of radionuclides and other hazardous material in porous media and fractured rock. He was also a member of the International Advisory Committee (ITAC) to NUMO, the nuclear waste management agency in Japan and has since this committee was ended carried out other high-level advisory services to NUMO and JAEA.

2. Outline of colloquium

SKB in general, Spent Nuclear Fuel programme, status of review of license application, technology development and large scale experiments, discussion and conclusions