

## **Status and Plans for Decommissioning of Nuclear Facilities in Norway**

Institute for Energy Technology (IFE) operates all the nuclear facilities in Norway. This includes the two research reactors located in Kjeller and in Halden and the Combined Storage and Repository for Low and Intermediate Level Waste in Himdalen.

On the national level, financing and final disposal of spent fuel - two essential issues related to decommissioning - has not yet been resolved. Currently, the responsibility for financing the decommissioning lies with IFE. Apparently, IFE does not have the resources to finance the decommissioning cost. However, a process has been initiated to clarify how the decommissioning cost should be financed. Currently, the spent fuel from the two reactors is stored at their local sites. In order to find a better alternative solution for the disposal of spent fuel, a governmental commission was appointed in 2001. The main recommendation of this commission was to build a 50 – 100 years storage facility. This was followed up in 2004, when another commission investigated alternative solutions for the spent fuel disposal. In 2009, two new governmental commissions were appointed, one to investigate the handling of the spent metallic fuel and one to investigate the location of the storage facility. The first commission presented its results this spring, while the results of the second commission will be presented in 2011.

IFE presented its last decommissioning plan to the Norwegian Radiation Protection Authority (NRPA) in 2007. In this plan, the decommissioning cost is estimated to be 1.2 billion NOK and the completion time (from start to green field) of 15 years is considered. About 75% of the costs will be used for decommissioning of the Halden reactor.