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**Taking samples from the steel tank of DR 3**

by

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DR 3 was a 10 MW heavy water cooled and moderated research reactor, which was operating from 1960 until 2000. DR 3 is the last reactor to be decommissioned at the Risø site.

As part of the characterization of DR 3, samples were taken out from the steel tank, which is situated around the Graphite reflector. The first sample was taken through one of the holes where the ion chambers are situated and where there is no Boral layer covering the steel tank. The next set of samples will be taken from the steel tank behind the Boral layer and is planned to be carried out in May 2010. The tools for drilling and collecting of the samples are constructed at DD's own workshop and the method is developed by DD.

The results of both set of samples will be compared to computer calculations carried out by the Research Centre in Jülich on the DIDO-type reactor, FRJ-II, which is similar to DR 3.

Note:

We consider this subject to be suitable for a poster presentation, where we would present pictures of the drilling tool, describe the method, show video recordings of the drillings and present the results.