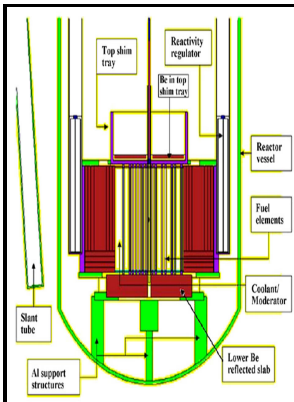


Programming and utilization of research reactors.

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Description: -

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Fuel Cycle Research & Development

The NRC requires research and test reactors to maintain security plans or procedures that are designed to detect, deter, assess and respond to unauthorized activities. These include above all the VKTA facilities in Rossendorf and also the TRIGA reactors, where disposal will only be necessary upon decommissioning.

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Abstract The nuclear institutes in Yugoslavia possess three research reactors. These examinations are designed to measure the candidate's qualifications to operate the reactor and are based on the requirements of Commission's regulations. Full Recycle Fuel Cycle Strategy The FCRD program will develop techniques to enable the long-lived actinide elements to be repeatedly recycled rather than disposed.

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The investments in and the operational costs of research reactors are compared with the benefits obtained in different areas of reactor application.

Home

Even though many research reactors are not used at their full capacity and many older ones will be shut down and subsequently decommissioned, research reactors will continue to play a very important role in the coming decades. All three reactors are also used for the verification of different methods applied in the analysis of power reactors, particularly concerning neutron flux distributions, the optimization of reactor core configurations and the shielding effects. Universities often collaborate with the DOE national laboratories, thereby expanding the base of highly qualified engineers and scientists in the future.

Experiences in utilization of research reactors in Yugoslavia (Technical Report)

In addition, Senior Operators are usually responsible for plant conditions during emergencies.

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