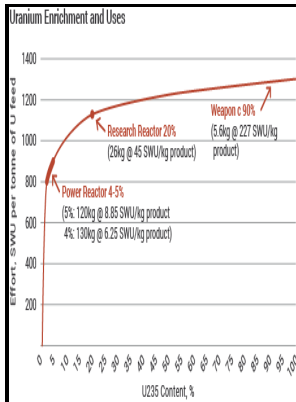


# Programming and utilization of research reactors.

## Academic P - Home



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-Programming and utilization of research reactors.

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Individual doses were calculated as ranging from 207 to 436 rad units. The mission of the Fuel Cycle Research and Development FCRD program is to conduct research and development to help develop sustainable fuel cycles, as described in the Nuclear Energy Research and Development Roadmap. The paper gives a critical analysis of the utilization of research reactors in a developing country such as Yugoslavia.

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This dose reconstruction study was evaluated simultaneously with studies of the June 1958 Y-12 accident and the January 1960 SLA accident. The has project management and inspection oversight for decommissioning research and test reactors. Program Management The Program Management staff acts as the NRC's focal point for research and test reactor policy and technology.

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

If the NRC determines any regulated facility needs additional security requirements in order to protect public health and safety, the NRC will take action. To accomplish the measurements the zero power reactor was operated in two different power ranges. 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.

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

Fuel Cycle Strategies The program will examine three fuel cycle strategies: once-through, modified open, and full recycling. The NRC maintains two types of inspections programs for operating research and test reactors.

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

Furthermore, there are several plants with considerable quantities of spent fuel, the safe disposal of which is a matter of urgency.

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These efforts take facilities from initial licensing through transition to decommissioning. Topics covered include economic conditions in the country; the Boris Kidric Institute at Vinca; the Jozef Stefan Institute; the Rudjer Bolkovic Institute in Zagreb; present status in the field of basic research; early stages of the nuclear power program; development of isotope applications in agriculture, medicine, and industry; nuclear raw materials survey; Institute for the Technology of Mineral Raw Materials; protection against ionizing radiations; electronics and instrumentation; cooperation with universities; training; scientific meetings in Yugoslavia; cooperation in the international sphere; federal administrative organs in the field of nuclear energy; Nuclear Energy Commission Program for 1961; prospective development; and scientific and technical staff.

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