

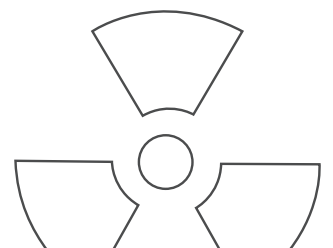


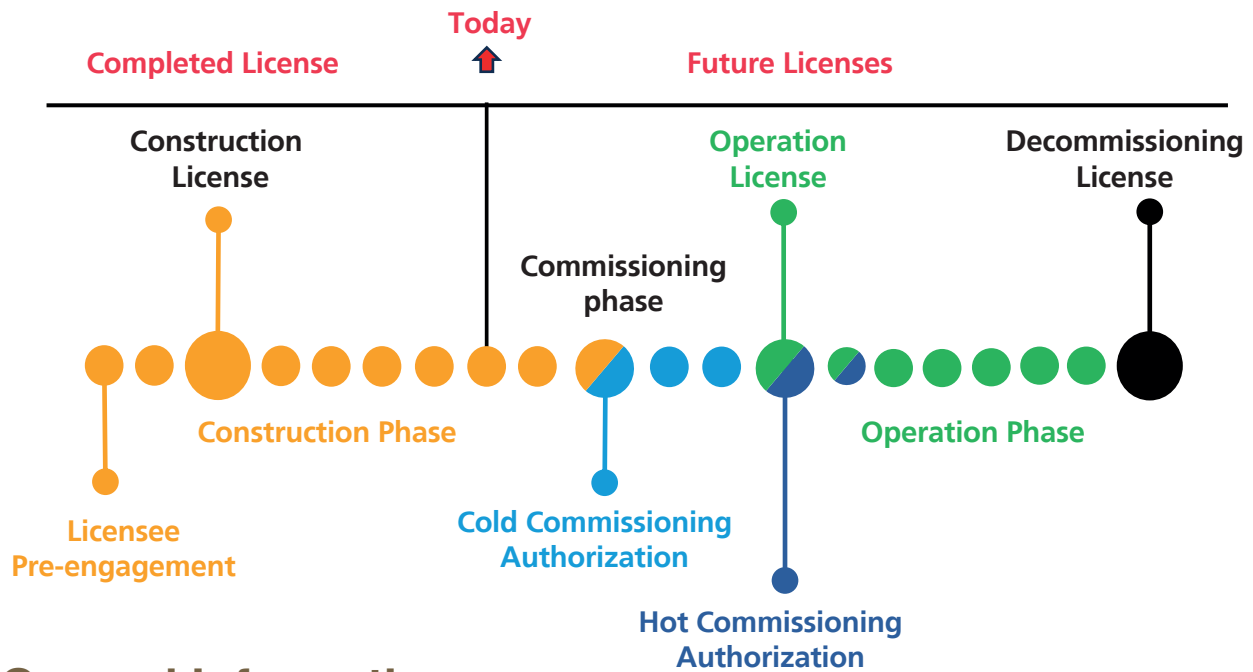
# Regulatory Oversight of the Research Reactor

The NRRC is mandated to regulate nuclear activity, practice, and facilities related to nuclear energy. The research reactor is considered a nuclear facility that is used for different applications such as education, training, scientific research, and technology development related to nuclear energy.

In order to enhance its regulation framework, The developing detailed licensing guides for Research Reactors, which include the licensing stages, authorizations, and application forms for licensing activities. This regulatory framework takes into consideration the graded approach.

The Low Power Research Reactor (LPRR) at King Abdulaziz City for Science and Technology (KACST) is the first research reactor that is currently being constructed in Kingdom. The NRRC is overseeing the LPRR during the construction phase and the following phases of commissioning and operation.





## General Information

Reactor Name	Low Power Research Reactor (LPRR)
Type	Open pool reactor
Power	30-100 kW(th)
Max. Thermal Neutron Flux	$1.51\text{E}+12 \text{ n/cm}^2\text{s}$
Coolant	Light Water, Natural Convection

## Uses and Capabilities

1	Education, Training & Qualification
2	Nutron activation analysis Dosimetry & R-protection
3	Research & Development Capacity Radioisotope Production
4	Neutron Beams / Research
5	Neutron Physics / Core Modeling & Validation

