In support of its mission to discover, disseminate, and apply new knowledge, the University of Alberta operates two nuclear research facilities: the Medical Isotope and Cyclotron Facility (MICF) and the Safe Low Power Kritical Experiment (SLOWPOKE) Nuclear Reactor Facility. The facilities support research and teaching at the university.

**MICF**

Opened July 2013, the Medical Isotope and Cyclotron Facility (MICF) is owned, operated, and maintained by the University of Alberta. The facility was developed in partnership with Alberta Health Services (AHS), the Government of Alberta, Natural Resources Canada, and Advanced Cyclotron Systems.

The building is a state-of-the-art cyclotron facility with an integrated radiopharmacy. It houses both university and AHS teams working on medical isotope research and the production of isotopes and radiopharmaceuticals for diagnostic and therapeutic purposes.

The MICF is located on the U of A south campus.

**SLOWPOKE Facility**

Commissioned in April 1977, the University of Alberta's Safe Low Power Kritical Experiment (SLOWPOKE) nuclear reactor facility is a low-power reactor used to support research, teaching and industry.

The reactor is located on the U of A main campus.

**Status**

Both the MICF cyclotron and SLOWPOKE facilities are currently operational. The SLOWPOKE reactor is scheduled to be decommissioned by 2018.
Regulation

The MICF and SLOWPOKE facilities are licensed and regulated by the Canadian Nuclear Safety Commission (CNSC).

The MICF is a Class II facility. The current operating license was issued in 2015 for a ten-year period.

The SLOWPOKE reactor is a Class I (non-power) nuclear facility. The current non-power reactor operating license was issued in June 2013 for a ten-year period.

The CNSC inspects each facility annually.

Safety

All MICF and SLOWPOKE facility staff and visitors must abide by the university's comprehensive health and safety program, developed and managed by Environment, Health & Safety. The facilities also maintain emergency response programs in collaboration with University of Alberta Protective Services (UAPS) and Fire Rescue Services (FRS).

The MICF and SLOWPOKE facility meet CNSC environment, health and safety regulations.

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