

**Mo-99 2016 TOPICAL MEETING ON
MOLYBDENUM-99 TECHNOLOGICAL DEVELOPMENT**

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National Research Universal ⁹⁹Mo Production

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ABSTRACT

In 2010, the Government of Canada announced plans to cease production of ⁹⁹Mo from the National Research Universal (NRU) reactor as of October 31st, 2016. Supporting the decision to cease production, Canada will maintain the capability to produce ⁹⁹Mo on a stand-by basis until March 31st, 2018; at which time the NRU reactor will be permanently shut down. In parallel with the ongoing planning related to the NRU reactor, the Government of Canada also established a four year technology acceleration program to advance non-reactor based technologies, specifically linear accelerators and cyclotrons, in order to secure and diversify the supply of ⁹⁹Tc for Canadians. Under the recently established Government-owned, Contractor-operated (GoCo) operating model, utilization of the NRU contingency will only be in the event of an unexpected and prolonged shortage that could not be otherwise mitigated. The contingency capability will be based on established criteria, maintenance of production capability, well understood communications protocols, and sound planning.