

**2017 Mo-99 TOPICAL MEETING ON
MOLYBDENUM-99 PRODUCTION TECHNOLOGY DEVELOPMENT**

**SEPTEMBER 10-13, 2017
MONTREAL MARRIOTT CHATEAU CHAMPLAIN
MONTREAL, QC CANADA**

**ANSTO Nuclear Medicine:
Reliable and Timely Global Supply of Mo-99 Globally**

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ABSTRACT

ANSTO is in the latter stages of completion of a new Mo-99 manufacturing plant at its Lucas Heights Facility in Australia. Designed with an anticipated capacity of 3500 six-day Curies of Mo-99 per week, this new facility will contribute significantly to increased reliability of Mo-99 supply globally.

Furthermore, the facility has been designed to maximise production at peak demand times. This allows Mo-99 supply to best match customer requirements at the peak times in the week when it is required. In doing this, decay and therefore waste are both reduced.

Key features of the new plant are LEU technology, utilisation of proven Mo-99 production technology and effective waste and environmental emissions control.

Physical construction of the new facility is now finished, with commissioning planned for the latter half of 2017. Routine supply of Mo-99 globally is expected early 2018.

A description of the project, the key design features and its current status will be provided.