

List of reportable incidents at ANSTO since 2006

Date	Location	Comment
June 2006	ANSTO Radiopharmaceuticals facility	Rupture of noble gas trap
April 2007	ANSTO Radiopharmaceuticals facility	A worker received an extremity dose in excess of the dose limit*
July 2007	OPAL reactor	Displacement of fuel plates from their normal position in fuel assemblies during normal operation
July 2008	OPAL reactor	Reactor fuel assembly detached from the handling tool and dropped on the reflector vessel
November 2008	OPAL reactor	The reactor neutron flux instrumentation was not compliant with the operating limits and conditions
January 2010	OPAL reactor	The reactor protection system set points were not compliant with operating limits and conditions
September 2011	OPAL reactor	The reactor neutron flux instrumentation was not compliant with operating limits and conditions
January 2013	OPAL reactor	Fire in a skip bin outside the reactor building
February 2013	PETNET	Safety interlock system bypassed in contradiction of operating limits and conditions
November 2015	OPAL reactor	Fresh irradiation targets not handled according to the safety requirements
August 2017	ANSTO Health	Exposure to hands of Quality Control Analyst*
June 2019	ANSTO Nuclear Medicine	Contamination of a radiation workers hands*

Note: Those entries with an asterisk indicate incidents which resulted in radiological consequences to personnel. Otherwise, the incidents reflect a reduction in defence-in-depth.