


# Risk assessment

20/06/2020

11003	RISK DESCRIPTION		TREND	CURRENT	RESIDUAL
	SCI_SPA_Level 3_ Gamma rays from Caesium_4.4 Beta-ray Spectrometer			Medium	Not Assessed
RISK OWNER		RISK IDENTIFIED ON	LAST REVIEWED ON		NEXT SCHEDULED REVIEW
Matthew Leong		25/02/2019	25/02/2019		25/02/2022
RISK FACTOR(S)	EXISTING CONTROL(S)	PROPOSED CONTROL(S)	TREATMENT OWNER	DUE DATE	
Radiation - Sealed source Cs-137. Gamma ray radiation Exposure from the sealed Cs-137 (0.45uSv/hr @10cm 25/2/2019) (Beta rays will be fully attenuated.)	Control: Cs137 source is in a brass vacuum chamber surrounded by a lead sheet.  Control: Operators are typically to stay at least 30cm away.	Do not open or attempt to access the area where the radioactive source is. Do not handle the radioactive source	—		
Radiation - Sealed source Cs-137. Gamma ray radiation Exposure from the sealed Cs-137 (0.45uSv/hr @10cm 25/2/2019) (Beta rays will be fully attenuated.)	Control: Cs137 source is in a brass vacuum chamber surrounded by a lead sheet.  Control: Operators are typically to stay at least 30cm away.	same as above	—		
Physical Hazard-Stored Energy. Vacuum system can be hazardous if operation is disrupted incorrectly.	Control: Vacuum system only operated by teaching staff.	Ask staff member if assistance is needed	—		
Physical Hazard-Stored Energy. Vacuum system can be hazardous if operation is disrupted incorrectly.	Control: Vacuum system only operated by teaching staff.	same as above	—		
Physical Hazard-Electrical. Field Magnet power supply (20V DC, up to 10A)		Apparatus is to be operated remotely. Ask staff member if assistance is needed	—		
Physical Hazard-Electrical. Field Magnet power supply (20V DC, up to 10A)	Control: Coil terminal has a plastic cover, avoiding finger contact with terminal.	same as above	—		