

Radiation

Working with or near sources of radiation carries the risk of inappropriate exposure or long-term accumulation.



Cause #	Cause description
1	Purchases made outside of procurement, and unknown substances stored inappropriately.
2	Spills of unknown sources.
3	Inappropriate exposure to Handheld XRF (Renau) High-security.
4	Exposure to uranium.

Preventive controls (reducing likelihood)	Critical/non critical	Cause #
(CC01) External audit and scan: University wide audit and scan for all unknown sources.	Critical	1
(CC02) Secure storage bunker: SCU maintains a secure storage bunker with room and security restrictions.	Critical	4
(CC03) Personal Exposure limits: SCU maintains personal monitoring records through log of scans to ensure legislative limits.	Critical	3
(CC04) Monitoring of machinery: SCU maintains regularly maintenance and monitoring of machinery, equipment and detection devices relating to radiation.	Critical	3
(CC05) Radiation safety officer: SCU must appoint a qualified radiation safety officer who holds a radiation officer certificate.	Critical	2 – 4
Quarterly inspections, internal auditing and monitoring.	Non-Critical	2 – 4
Radiation Safety Committee implemented and meets regularly.	Non-Critical	1 – 4
Work Unit Induction Training.	Non-Critical	1 – 4

Potential to interact with other fatal risks	
Critical risk	Potential interaction
Remote and isolated work.	Delay in emergency response.