Location of activity	Start and end dates			
Dyson Centre	5/6/25 - 9/6/25			
	ing water from a bucket	, through a heat exchanger interfaced with a peltin nvironment. The peltier cell, pump, and fan will be	_	
Hazard	Effect	Control measures	Residual risk	
Water on Power Supply	Breaking the power supply	Contain entire water system in a deep tray, keep power supply over a metre away from any water	Splashing water in any way might cause water to get on the power supply	
Water on Batteries	Shorting the batteries, electrocution	Contain entire water system in a deep tray, keep batteries over a metre away from any water	Splashing water in any way might cause water to get on the batteries	
Hot peltier cell / surroundings	Burning hands	Don't run the peltier cell without running the fan, also the peltier cell is surrounded by the fan casing and so it is impossible to touch cell itself	Fan casing becomes hot	
Live wires touching water	Shorting batteries / electrocution	Manage cables neatly as to stay far from bottom of tray, connect cables securely and wrap tightly in electrical tape	Wires could get pulled down into water	
Water leaking on electrical components	Shorting power supply/electrocution	Using standard water cooling components that are tried and tested and will not leak if used properly	Leaking water when assembling/ disassembling the circuit	
Personal Protective Equipment required [eye Goggles	/ face protection, respira	tory protection, gloves, lab coat etc]		
Emergency Instructions & First Aid				
Any special monitoring required [e.g. hearing	test, vibration monitoring	g, health surveillance]		
Further control measures required? If yes, lis	st with actions.			
Biological / Laser / Radiation Approval [requir	es relevant Specialist Sa	afety Officer signature and date]		
Out of hours / Lone working measures				
he risk assessor and their Supervisor must sign to confirm that this is a suitable and sufficient ssessment of risk and that all stated control measures are in place.				

This risk assessment should be reviewed and revised if additional risks not covered in this assessment are identified or if there is any reason to indicate that the control measures are insufficient.

Name of assessor: Jamie Maxen Email:jamie.maxen@gmail.com	Signature Lun Man	Date 5/6/25
Name of Supervisor : Email :	Signature	Date

Received by the Local Safety Coordinator:

Local Safety Coordinator : Email :	Signature	Date		
Comments:				
Received by the Safety Office:				
Departmental Safety Office : Email :	Signature	Date		
Comments:				