HS Risk management form



For additional information refer to HS329 Risk Management Procedure

Faculty/Division: EET			School/Unit: ANFF				
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Risk management name	C
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COVID-19 Measures for ANFF-NSW One-on-One Training

Form completed by	Matt BORELAND	Signature	Date 19/6/2020
Responsible supervisor/ authorising officer	Matt BORELAND	Signature	Date 19/6/2020

Identify the activity and the location of the activity			Identify who may be at risk from the activity:			
Description of activity	One of the key services provided by ANFF-NSW is the provision of advanced nanofabrication training for research students and staff. Training programs are customised to suit each researcher's individual project requirements and are most often delivered in one-on-one sessions with ANFF-NSW process engineers.		This may include fellow workers, visitors, contractors and the public. The types of people may affect the risk controls needed and the location may affect the number of people at risk			
			Persons at risk	ANFF-NSW staff and lab users		
Description of location	ANFF-NSW Labs… Newton Building and Old Main Building		How they were consulted on the risk	Risk assessment will be provided and discussed before activity commences. ANFF-NSW staff consulted as part of development of the addition measures for one-to-one training		

List legislation, standards, codes of practice, manufacturer's guidance etc used to determine control measures necessary					
Work Health and Safety Act 2011					
Work Health and Safety Regulation 2017					
NSW Health guidelines on PPE for COVID-19 for health workers https://cec.health.nsw.gov.au/keep-patients-safe/COVID-19/Personal-Protective-Equipment-PPE					
UNSW HS Management System (Policies, Procedures and Guidelines)					
ANFF-NSW Health and Safety Guidelines					

1. An activity may be divided into tasks. For each task identify the hazards and associated risks. Also list the possible scenarios which could sooner or later cause harm. 2. Determine controls necessary based on legislation, codes of practice, Australian standards, manufacturer's instructions, safety data sheets etc. 3. List existing risk controls and any additional controls that need to be implemented 4. Rate the risk once all controls are in place using the risk rating matrix (below and in HS329 Risk Management Procedure) SHADED GREY AREAS If you need to determine whether it's reasonably practicable to implement a control based on the risk, complete the shaded grey columns Feel free to resize the boxes to suit your situation/the amount of text you need to use Is this Any Risk Rating Cost of additional controls (in reasonably Associat controls Consequences terms of time. practicable Hazard Task/ ed harm Likelihood required? effort, money) Existing controls Y/N Risk Scenario COVID COVID-Elimination: Trainings will be suspended if local COVID-19 outbreaks in the UNSW Y 5 Е М COVID person-to-No additional 19 infection or nearby community cost person Substitution: N.A. process tools require hands-on-training transmission • Engineering controls: HEPA filtered, positive pressure cleanroom at ISO5 -ISO7 @>1.5M Positive pressure minimises ingress of external dust, aerosolised material, separation via etc that could carry virus into the cleanroom breath, coughing, 100-10,000 cleaner than external environment, sneezing or bare equal or better to many surgical theatres hand touching of Administrative controls: contaminate All lab users complete ANFF-NSW Lab Safety Induction, including cleanroom surfaces hygiene practices. Training conducted by experiences ANFF-NSW staff • Room occupancy capped to enable >4sqm/person and >1.5m separation from surrounding lab users (social distancing) • Real-time monitoring of room occupancy to maintain distancing capability • Entry/change room occupancy limited to one to minimise unprotected contact • UNSW Safe Return to Campus training for general COVID awareness Cleaning stations at lab entry: hand washing on entry/exit o Cleaning roster for cleanroom includes daily clean of touchpoints in entry/gowning areas PPE order to minimise hand/touch-transmission (gloves first to minimise touch transmission to surfaces) No shared cleanroom garments (disposable Tyvek garments issued) Posters displayed to reinforce social distancing and hygiene measures. PPE o Gloves, booties, hair covering, mask, googles in "grey" areas Addition of full cleanroom "bunny" suit in "white" areas

Identify hazards and control the risks.

Risk Rating Matrix

	RISK RATING METHODOLOGY AND	MATR	IX					
Consider the Consequences	Consider the Likelihood Calculate the Risk							
Consider: What type of harm could occur (minor, serious,	Consider: How often is the task done? Has an accident	1.Take	the conse	quences	rating and	select the co	prrect colun	nn
death)? Is there anything that will influence the severity (e.g. proximity to hazard, person involved in task etc.).	happened before (here or at another workplace)? How long are people exposed? How effective are the control measures? Does	2. Take the likelihood rating and select the correct row						
How many people are exposed to the hazard? Could one	the environment effect it (e.g. lighting/temperature/pace)? What	mperature/pace)? What 3 Select the risk rating where the two ratings cross on the matrix below						
failure lead to other failures? Could a small event	are people's behaviours (e.g. stress, panic, deadlines) What							
escalate?	people are exposed (e.g. disabled, young workers etc.)?	VH = Very high, H = High, M = Medium, L = Low						
5 Sovere: death or permanent disability to one or	A Almost cortain: expected to occur in most circumstances				CC	ONSEQUEN	CES	
more persons	A. Annost certain. expected to occur in most circumstances			1	2	3	4	5
	B. Likely: will probably occur in most circumstances		Α	М	н	н	VH	VH
Major: hospital admission required	C. Possible: might occur occasionally		В	М	М	н	Н	VH
					M	u		VH
Moderate: medical treatment required	D. Unlikely: could happen at some time		Ŭ	L	IVI	•	п	VN
		IKE	D	L	L	М	M	н
2. Minor: first aid required			E	L	L	м	м	м
1. Insignificant: injuries not requiring first aid								

Risk level	Required action
Very high	Act immediately: The proposed task or process activity must not proceed. Steps must be taken to lower the risk level to as low as reasonably practicable using the hierarchy of risk controls
High	Act today: The proposed activity can only proceed, provided that: (i) the risk level has been reduced to as low as reasonably practicable using the hierarchy of risk controls and (ii) the risk controls must include those identified in legislation, Australian Standards, Codes of Practice etc. and (iii) the document has been reviewed and approved by the Supervisor and (iv) a Safe Working Procedure or Safe Work Method has been prepared and (v) the supervisor must review and document the effectiveness of the implemented risk controls
Medium	Act this week: The proposed task or process can proceed, provided that: (i) the risk level has been reduced to as low as reasonably practicable using the hierarchy of controls and (ii) the document has been reviewed and approved by the Supervisor and (iii) a Safe Working Procedure or Safe Work Method has been prepared.
Low	Act this month: Managed by local documented routine procedures which must include application of the hierarchy of controls.

List emergency procedures and controls List emergency controls for how to deal with fires, spills or exposure to hazardous substances and/or emergency shutdown procedures

For COVID-19 contamination consult UNSW Safe Return to Campus Guidelines <u>https://unsw.sharepoint.com/sites/safety-wellbeing/Shared%20Documents/COVID-19/Return%20to%20Campus/Safe-Return-To-Campus-Staff-Guide.pdf?cid=298a7a1c-6cef-4f4a-8f0f-4651a9b90049</u>

In emergency, evacuate area and call security (x56666).

For chemical spills on person, use the safety shower and/or eyewash and call the lab manager (x56224) and/or security (x56666).

For chemical spill in lab, evacuate area and call lab manager (x56224).

In the event of a fume cupboard exhaust failure, close sash, evacuate area and alert lab manager (x56224).

Implementation						
Additional control measures needed:	Resources required	Responsible person	Date of implementation			
REVIEW		· · ·				
Scheduled review date:						
Are all control measures in place?	Yes					
Are controls eliminating or minimising the risk?	Yes					
Are there any new problems with the risk?	No					
Review by: (name)						
Review date:						
Acknowledgement of Understanding						
All persons performing these tasks must sign that they have read and understood the risk management (as described in HS329 Risk Management Procedure).						
Note: for activities which are low risk or include a large group of people (e.g. open days, BBQ's, student classes etc), only the persons undertaking the key activities need to sign below. For all others involved in such activities, the information can be covered by other methods including for example a safety briefing, induction, and/or safety information sheet (ensure the method of communicating this information is specified here)						

Risk management name and version number:	I have read and understand this risk management form			
Name	Signature	Date		

VERSION CONTROL

Date	Version	Details	Person
05-Jun-2020	V1.00	Submitted with ANFF's Safe Return to Work plan	Matt Boreland
19-Jun-2020	V1.01	Approved by UNSW Phoenix Recovery Team Added version control table Correction of typo's/formatting	Matt Boreland