



This form is to be used in conjunction with the Environment Health and Safety Manual Procedure 3.2 Hazard Identification, Assessment and Control - Application.

Information of Activity

Activity: Liquid Nitrogen

Location: CAB, Veterinary Science, Parkville

Identified by: Laboratories

Date: Update September, 2004

Identified Hazard / Aspect: Using and transferring liquid nitrogen

Risk Analysis matrix – level of risk

Identified Hazards	Risk Assessment			Risk Score E x L x C	Risk Level
	Exposure (E)	Likelihood (L)	Consequence (C)		
Burns from cold pump	2	0.3	2	1.2	L
Asphyxiation	2	0.05	10	1	L

Definitions							
Exposure	E	Likelihood	L	Consequence	C	Risk Score	Hierarchy of Risk Controls
Continuously	10	Almost Certain	1.0	Catastrophic	20	E >20 H >10 M 3-10	Elimination is a permanent solution and should be attempted in the first instance.
Frequently	6	Likely	0.6	Major	10		Substitution involves replacing the hazard or environmental aspect by one of lower risk.
Occasionally	3	Possible	0.3	Moderate	5		Engineering controls involve physical barriers or structural changes to the environment or process.
Infrequently	2	Unlikely	0.1	Minor	2	L < 3	Administrative controls reduce hazard by altering procedures and providing instructions.
Rarely	1	Rare	0.05	Insignificant	1		Personal protective equipment last resort or temporary control.

LEGEND

E: extreme/significant risk; immediate action required; must be managed by senior management with a detailed plan, notify RMO immediately.

H: high risk, senior management attention needed, detailed research and management planning at senior levels

M: moderate risk, management responsibility must be specified; manage by specific monitoring or response procedures

L: low risk, manage by routine procedures; unlikely to need specific allocation of resources

Details of Action to be Taken

Actions: *(These should be determined by both the person(s) identifying the risk and the responsible manager and HSR or Environmental Representative).* When determining action refer to Hierarchy of Risk Control.

Assistance for those not able to lift/carry heavy rotors.

Wear personal protective equipment – gloves, lab coat, eye protection

Work in well ventilated areas

Person assessing the risk: GARRY BARCHAM

Date: September 2004

Authorised by: CAB Laboratory Management Committee

Planned completion date: _____

Actions Completed

Actions by: _____ Completed (Initials & date): _____