



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: Changing CO₂ Cylinders

Location: CAB, Veterinary Science, Parkville

Identified by: Laboratories

Date: Update September, 2004

Identified Hazard / Aspect: Changing CO₂ Cylinders

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)		
Dropping cylinder on self	2	0.1	5	1	L
Asphyxiation	2	0.05	10	1	L
Dropping cylinder, knocking off cylinder head	2	0.05	20	2	L

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

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.

Use cylinder trolley correctly

Maintain quality of cylinder connections

Person assessing the risk: GARRY BARCHAM

Date: 9th September 2004

Authorised by: CAB Laboratory Management Committee

Planned completion date: _____

Actions Completed

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