

Risk Identification and Treatment - Noise from gas delivery during CO₂ injection for mass destruction of poultry - OHS

Area / property (where relevant):			
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1 Specific Risk The hearing of people will be adversely affected by noise produced by the gas flow during the delivery of CO ₂ into poultry sheds	2 Source(s) of Risk Flow of liquid CO ₂ from tanker through vaporiser into shed	4 Current Risk Treatment <ul style="list-style-type: none"> Perimeter – designated perimeter around unloading/injection area is clearly identified by signs and cones. Induction – a condition of entry to the site is all personnel must complete a site induction. The induction is to cover the noise hazards associated with the CO₂ delivery. Trained personnel – only trained and qualified personnel eg BOC personnel who normally undertake the CO₂ delivery are to operate the equipment. Min no. of personnel – only the necessary no. of personnel should be involved in the gas delivery. PPE – all personnel associated with the gas delivery must use approved hearing protection. For disease control purposes this should disposable (biosecurity). Emergency response personnel – any personnel on site who may be part of any response associated with the gas delivery should be briefed on the hazard and use hearing protection. Location of personnel – see RA for <i>Affects of low temp from CO₂</i>
	3 Area(s) of Impact Human health - hearing	

5 Current Risk Profile			6 Proposed Risk Treatment	7 Risk Profile After Treatment			8 Comment**
5a L Likelihood D	5b C Consequence 2	5c Risk Rating L		7aL D	7bC 2	7cRisk Rating L	<ul style="list-style-type: none"> The in shed mass destruction procedure is the preferred method of destruction where the disease causing agent may be zoonotic. It is the procedure of choice during this situation because it reduces the total number of people that will need to be on site during destruction. Furthermore, the procedure can be completed with minimal number of personnel on site. The noise from the delivery of gas may also adversely disturb the birds in shed and result in welfare issues. Therefore the affects of the noise will need to be minimized where possible.

**Mandatory requirement if assessed level of risk rating is X (extreme) or H (high)

