RISK ASSESSMENT

Company Name: Dowse Haulage Ltd Date: 17-8-15 Review Date: 17-8-16 Assessment No: 18

Assessor: Paul Mansfield Task: MIG / ARC Welding

Haz No.	Significant Hazards Look only for hazards which you could reasonably expect to result in significant harm e.g. slips/trips, work at height, falling objects, vehicles, electricity etc.	People Affected List groups of people who may be at risk e.g. maintenance staff, contractors, cleaners, public etc.	Existing Controls List controls that are already in place to control the risk e.g. physical safeguards, training, personal protective equipment etc.	Level of Risk Decide whether the level of risk remaining is high, medium or low. (LIKELIHOOD)			Further Action Required List further action required to control significant risks. If there is lots to do, make an action list.
	(STEP 1)	(STEP 2)	(STEP 3)	High	Med	Low	(STEP 4)
01	Exposure to ultra violet light Causing (arc eye) or severe sun burn	Welder and others in area	 Face shield with electric welding filter lenses. Welding gauntlets provided. Welders cover bare skin to protect from ultra violet light. Transportable welding screens provided to protect others in welding area. Fixed flash screens installed around designated MIG welding bench area. Welding carried out in designated area. 		\		

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	(STEP 1)	(STEP 2)	(STEP 3)	High	Med	Low	(STEP 4)
01 (cont'd)			7. Only experienced and trained persons carry out MIG welding operations.				
02	Contact with un-insulated electrical conductors Electric shock injury or death	Welder	Power and earth wire insulated. MIG welding machine incorporated in portable electrical appliance test and inspection schedule. Operator inspects electrical insulation on MIG welding equipment prior to use. Welders wear electrically insulated footwear.			\	
03	Fire and explosion in welding area could cause burns or death	Welder and others in area	 Designated welding area free from combustible materials and gasses. 'Hot work' precautions taken when MIG welding outside of designated area. 			\	
04	Inhalation of welding fumes/inert gas	Welder	MIG welding is only carried out in well-ventilated areas.			\	

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05	Inhalation of welding fumes/inert gas	Welder	2. MIG welding is not carried out on a production basis.			\	
06	Ignition of work wear	Welder	 Welders issued with fire retardant overalls. Welders informed not to weld with oil or fuel soaked overalls. 			\	
07	Contact burns with hot metal	Welder	 Heat resistant gauntlets provided and worn. Cooling down period in place prior to handling heated metal. Leather apron, skullcap and spats provided if required due to nature of welding operations. 			\	
08	Manual handling injuries	Welder and assistant	Lifting equipment and accessories provided to transport heavy items. Welder trained in manual handling techniques. Safety footwear worn by welder.			\	

Significant	People Affected List groups of people who may be at risk e.g. maintenance staff, contractors, cleaners, public etc	Existing	Level of Risk Decide on the level of risk remaining. (Likelihood \ Severity) High Med Low			Further Action required List further action required to control significant risks. If there is lots to do, make an action list. (STEP 4)
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Slips, trips and Falls Cables are a trip hazard	Welder Others	Cables are kept to a minimum length and are laid out avoiding pedestrian walkways			\	
Discarded welding rods could cause slips and falls if left on the floor		Use of a suitable receptacle to keep debris to a minimum.			١	
Welders working at height could fall or falling objects could cause injury or death to welder or others		Welder and assistant wear safety harness at height, Secure cables and accessories.			١	
		Cones, tape or other means of warning signs to be displayed in the working areas.			\	
Fire Sparks could cause combustible materials to smoulder and catch fire		Assistant to keep watch for fires and use appropriate fire fighting appliance.			\	
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Action Timescale Guidelines

High Risk – Action Immediately

Medium Risk – Action within 2 Months

Low Risk – Re-assess after next review