USSL Risk Assessment

	Risk Assessment No	62		Activity		Safe U	lse of a Cor	npressor	Locations			Works	
	nent Undertaken by M. W Persons at risk (PAR)	Severity / Harm Rating (S)				Jun-17 Review Date 1/6/18 Risk Ratings Likelihood (L)							
E P V	Employees / Contractors Members of Public Visitors	1 Negligible injury or no inju 2 Minor injury requiring Firs 3 Lost time injury			injury	 Extremely unlikely to occur at any 			r time uld be required for an incident to occur				
C	Clients	4 5	Single serie	njury ous injury o aths and or	r single de serious in	ath juries	4 5	Not certain	en, but considered un but an additional fact vitable that an incident	or may resu	It in an inci	dent	
Tolerance rating DANGER - Task/activity should not proceed. Further control measures are to be put in place to reduce risk. When in place the level of risk should be re-assessed for													ssed for
7 -	SIGNIFICANT RISK is	attached t		ctivity. Loc	k critically	at ways of r	educing the	level of risk	to a more tolerable le	vel by impro	oving existin	ng control m	neasures or b
	TOLERABLE RISK - O	Consider if I	risk is "as lo	w as reasor	nably pract	icable", If no	ot try to red	ice risk furth	er by improving contro	ol measures	. Keep und	der review a	nd continue
1	with task/activity, but w			will be uti	lised as a	matter of c	ourse duri	ng any worl	ks undertaken				
	Initial Assessm Hazard Identification			L	Score				Risk Mitigation M	easures S	L	Revised	Risk
Item No	Hazard Identification	PAR	S	L	Score	Control Measures The Compressor must only be used by suitably trained and authorised personnel.			S	L	Score	Acceptable	
1	Untrained Personnel	E	4	4	16	A Site Bas	ed Risk As	sessments a	nd Method r the operation.	4	1	4	Yes
2	Contact with Vehicles/Members of the public	E,P	4	4	16	Ensure Compressor is parked on level ground, if the ground is not level place wheel chocks under wheels to prevent novement. Finally provided the provided in the provided in Finally parked as applied. Ensure lacks are positioned. Ensure has compressor is protected by barriers to prevent members of the public from coming into direct contact. If the compressor is parked on a road, ensure it is parked in a safe position, with adequate lighting, with the beacon in use. Hezard warning signs should be posted. Any hoses or cabbes must be kept tidy, and should not cross a public forograph.				4	1	4	Yes
3	Damaged Hoses and attachments	Е	3	4	12	Visually examine hoses and connections. Any defects of damage must be reported. IF IT is NOT SAFE TO USE, DO NOT STAFT WORK, Until replacement equipment has been obtained. The use of unauthorised accessories and attachments in not permitted. Always replace faulty hoses never attempt to repair any hose if a leak is detected. Connections must be checked for tightness before pressurising. Locking collers and anti whip chains must be fitted to restrain hoses. Ensure the correct source pressure is used and compressed air system is protected by adequate relief compressed and system is protected by adequate relief compressed and system is protected by adequate relief compressed pressure in the region of a protection of the control of the compressed of the control of the				3	1	3	Yes
4	Noise	Е	3	3	9	Where possible site the compressor away from public areas. Wherever possible hoods/doors on plant and equipment should be kept closed. When plant and equipment is not in operation it should be turned off. If the equipment is defective contact the supervisor. You must wear hearing protection while working with or in the vicinity of the compressor. All moving parts and mechanisms should be properly.				3	1	3	Yes
5	Entrapment.	Е	4	4	16	and secured guarded. Warning signs should be in place to worn about moving parts and mechanisms. Segregate pedestrians from area of operation. Supervision needs to be in place to prevent inquisitive people especially children getting to close or underneaft the vehicle. When httchingluthitching the compressor to a vehicle the operative need to stand away from the rear of the vehicle while it is in motion. Operatives need to be wearing the necessary PPE. A method of communication need to be established between the driver and the person at the rear of the vehicle.				4	1	4	Yes
6	Fire	E,C	4	4	16	are stored Fire fightin	ure not combustible material or flammable liquids stored in the vicinity of the Compressor. fighting equipment must be provided and staff led in fire fighting and emergency procedures.		4	1	4	Yes	
7	Fumes	E,P,V,C	3	3	9	Do note site petrol or diesel-engine compressors in, or near the edge of an excavation unless tumes can be ducted away or the area can be ventilated. Do not site compressors in doorways or near basement areas. Carry out a on site risk assessment prior to using the compressor. DO NOT use equipment indoors or in poorly ventilated areas.				3	2	6	Yes
8	Contact with Hot Services	Е	4	3	12	Operatives need to be aware that during operation, the motor, connections, cylinder and tubes may get hot, avoid contact with these surfaces. Safety gloves should be worn at all times. Avoid hazardous manual handling operations so far as				4	1	4	Yes
9	Manual Handling	Е	3	3	12	reasonably practicable. Carry out suitable and sufficient risk assessment. All staff to receive manual handling training. Heavy Equipment to be carried by a minimum of 2 people. Use Mechanical means where possible to move materials and equipment. And use trained manual handling techniques where mechanical means cannot be used.				3	1	3	Yes
10	Environmental Issues.	Е	3	3	9	Any spills must be cleaned up immediately. Any spillage must not enter the watercourse. Drip trays should be placed under the compressor unit.				3	1	3	Yes
11	Maintenance.	E	3	4	12	The Operator should carry out the following daily checks before operating the machine. Ensure controls are clear and can be understood. Ensure stop procedures operate correctly. Check Tyres, Brakes, Safety Guards, Locking Pins. Ensure Hoses are in good condition. Ensure all safety decals are in place and can be read clearly.				3	1	3	Yes
12	Refuelling	E	4	4	16	Never re-fr DO NOT s	moke while			4	1	4	Yes
13	Isolation	Е	4	4	16	Guards sh tampering children.	with, contr	d to prevent ols by unaut	the operation of, or horised persons or	4	1	4	Yes
14	Towing	E,P,V,C	4	4	16	Ensure all Ensure that tow the un Check the Connect lip contact su plate is als Check cor Raise prop Ensure bra Ensure ha	at the vehiclit safely. towbar and ghting cable pervisor if to so in positio rect operatio pstands/ Jo akaway cab andbrake is	coupling re to towing v his not possi n on compre on of lights. key wheel a le is secured released.	any reversing vehicles spacity is sufficient to port any defects. shicle if applicable, ble, ensure number ssor unit. and lock in position. It to towing vehicle. line manager.	4	2	8	Yes
15	Entrapment	E	5	3	15	and secure Warning s parts and o Segregate Supervision	be in place s. s from area be in place t	should be properly to worn about moving of operation. o prevent inquisitive to close or underneath	5	1	5	Yes	
16	Dangers from Compressed air	Е	4	4	16	When bowing through a hose or air line, ensure that the open end is held securely. A free end will whip and can cause injury. Open the supply cook carefully and ensure that any ejected articles are restrained. A blocked hose can become a compressed gun. DO NOT blow detries aly purself or others. Never apply compressed air to you skin or directly at others. Do not use compressed air to blow debris from your clothing. DO NOT use air directly from a compressor for breathing purposes.				4	2	8	Yes