## **USSL Risk Assessment**

	Risk Assessment No	57	Activity			Welding Operations. Locations			Site Works					
Assessn		Watson	Assessment Date			Jun-17 Review Date		1/6/18						
	Persons at risk (PAR)		Severity / Harm Rating (S)			Risk Ratings  Likelih			ood (L)					
Е	Employees / Contractors	1	Negligible injury or no injury			1 Extremely unlikely to occur at any				time				
P V	Members of Public Visitors	3	Minor injury requiring First Aid Lost time injury				3	A rare combination of factors would be required for an incident to occur  Could happen, but considered unlikely under normal circumstances					ur	
C	Clients	4	Single seri	ous injury or										
		5	Multiple de	aths and or			5		vitable that an incident v					
	DANGER - Task/acti	vity should no	ot proceed.	Further cont		olerance rati es are to be		e to reduce ri	sk. When in place the l	level of risk	should be r	e-assessed	for	
15	adequacy before the					res are to be put in place to reduce risk. When in place the level of risk should be re-assessed for								
7 -			this task/ac	tivity. Look	critically at	ways of redu	ucing the le	vel of risk to	a more tolerable level b	oy improving	g existing co	ontrol measu	ures or by	
,	introducing new cont		ials is "- '		bbre "	able" If	v to '	relate from 1	hu languagia a a a a a			nday: -: 1	antinus''	
1 -			sk is "as low	as reasona	bly practica	able", If not tr	y to reduce	risk further i	by improving control me	easures. Ke	eep under re	eview and c	ontinue with	
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		ND E-II DD	E will be ut	iliand on o	matter of a	a dire		a undertaken					
	Initial Assess			E WIII De ut	ilised as a	s a matter of course during any works undertaken  Risk Mitigation Measures								
						Control Measures				Pavisad			Risk	
Item No	Hazard Identification	PAR	S	L	Score					S	L	Score	Acceptable	
			4	4	16	conjunction	with hot w	s should be o ork permit. from flamma	arried out in able materials before					
						likely smou	Idering ma	terials.	ter completion for					
1	Welding Operation, Fire.	E,C				ends.			t 1hr before the shift ent and suitable for the	4	1	4	Yes	
						material be Dry Powde	ing welded r).	and gases u	sed (Usually CO2 or					
						Dispose of suitable cor		electrodes a	nd hot metal in a					
							BT SEEK A	DVICE FRO	M YOUR					
			4		16	Ensure cab	les, electro		nd cable connections n is complete.					
						Ensure wel	ding machi	ine is correct						
	Waldian Caractions Flactric					containing t			iter or change					
2	Welding Operations, Electric Shock	E		4		electrodes	while stand	ling on wet o	r earthed surfaces.	4	2	8	Yes	
						Never touch clothing.	h live meta	I parts with b	are skin or wet					
						IF IN DOUB		DVICE FRO	M YOUR					
						SUPERVIS	UPERVISOR.							
	Welding Operation, Fumes and gases								r low level volume for the correct type).					
						Additional f	orced vent	ilation/extrac	tion may be required					
3		E,C	3	4	12	BELOW).		nvironment.	(SEE	3	2	6	Yes	
	3		ļ					DVICE FRO	M YOUR					
								e carried out	in a confined space					
			4	4	16	must be in	conjunctior		ned space permit to					
						work syster Only trained		ed personnel	are permitted to enter					
	Welding Operation, Confined Space					a confined	space.	·						
4		E				Ensue all ta and declare			have been purged	4	2	8	Yes	
						Check to se	ee weather	additional ve	entilation or breathing					
							BT SEEK A	DVICE FRO	M YOUR					
						SUPERVIS								
5						Assume all Mark welde			small pieces in a					
	Welding Operations, Hot Metal, Radiation ,Arcs, Manual Handling.					suitably ma	rked conta	iner.	•					
						Flame resist foot protect		ng is required	I for body, hand and					
						Filter lense:	s will be re		e protection. (Consult					
		E,C	4	4	16			the correct to	ype). triking an arc.	4	2	8	Yes	
	i iailullily.					Use screen	s to protec	t others from	arc radiation.					
						Use Mecha materials a			sible to move					
						And use tra	ined manu	al handling to	echniques where					
								nnot be used						
6			5			areas (1 Da	ays Supply	).	cylinders at work					
	Fire and Explosion: Storage, use and movement of compressed							secure cyling						
						Store spare rack.	cylinders	correctly in a	compound bottle					
									with flash back nd non-return valves				v	
	and movement of compressed gas cylinders.	E,C		4	20	at the inlets	to the blow	wpipes.		5	1	5	Yes	
	3 ··· · · · · · · · · · · · · · · · · ·					Close valve	es before m	noving cylinde	ers and after use.					
						Keep oil aw	ay from cy	to become h linders and v	alves etc.					
							ect a leak,	move the cyl	inder into the open air,					
				l		contact you	ii supervisi	л.		L	L			