## USSL Risk Assessment

Assessr	Risk Assessment No nent Undertaken by M. W	53 atson	Ass	Activity essment D	late		irit Blasting Jun-17	Locations Review Date			Works 6/18	
E	Persons at risk (PAR) Employees / Contractors	1	Severity Negligible	/ Harm Ra	ating (S)	Risk Rating	1	Extremely unlikely to occur at any	ood (L) / time			
V C	Members of Public Visitors Clients	3 4	Minor injur Lost time is Single seri Multiple de	njury ous injury o	or single de		3 4	A rare combination of factors woo Could happen, but considered un Not certain, but an additional fact Almost inevitable that an incident	likely under or may resi	r normal ci alt in an inc	rcumstance ident	ccur
15	DANGER - Task/activ adequacy before the	ity should r	not proceed.		T	olerance rati	ng be put in p	lace to reduce risk. When in place				essed for
7-	14 SIGNIFICANT RISK is or by introducing new	s attached controls.	to this task/a					e level of risk to a more tolerable I				
- 1	- 6 TOLERABLE RISK - 6 continue with task/act	ivity, but wi	th caution					uce risk further by improving conti ig any works undertaken	rol measure	s. Keep u	nder review	and
Item No	Initial Assessm Hazard Identification		trois S	L	Score			Risk Mitigation M	easures S	L	Revised Score	Risk Acceptable
1	Untrained Personnel	Е	3	4	12	suitably tra	ined perso	ns must only be carried out by nnel or Contractors. Statements and Risk	3	1	3	Yes
2	Occupational Diseases	E	4	4	16	Assessment The Use of long term in Considerat less hazard Use only C Ensure CO and the fini	NON-Sition reversible ion should dous abras ompany A SHH Assets ds are reco	be provided for the operation.  a Grit should be used to avoid lung damage from silica dust, be given to selecting and using two materials, pproved substances, asments have been carried out, orded.	4	2	8	Yes
3	Skin Damage	E	3	4	12	Only use the purpose for Do not use materials of Ensure over abrasive m Ensure good	r which the r which the , touch or s f container rall are wo aterials. od hygiene	ent or substances for the y were designed. smell unknown or unidentified	3	2	6	Yes
3	Skill Dallage	-	3	•	12	Inspect you any problem manager.	r skin at th	e end of each shift, and report ems to your supervisor or	3	2	·	res
4	Noise	E	3	4	12	blasting op	erations.	be worn at all times during grit	3	1	3	Yes
5	Dust/Ventilation.	E	3	4	12	cleaning ec structures i i) prevent a concentrati ii) increase iii) prevent Exhaust ve installed, in OSHA Ven The exhau be dischare dust collect environmen hazardous The dust or accumulate	quipment, a must have i build-up o ons of haz operator v any leakag operator v any leakag operator v any leakag spected, a tilation sta at air from ged to the i toor to prote air contam ollector sho dust car dust car dust du	ge of dust to the outside, stems must be constructed, and maintained according to the adard for abrasive blasting, blast-cleaning equipment must cutside through an appropriate at the workplace, the surrounding community from	3	2	6	Yes
	Duss/ Ventilation. Continued	E,P,V,C	4	4	16	Air Samplir exposure, : effectivene PPE MUST A suitable : protect aga and face pi treated clot safety boot and fall arn any risk fro Isolation ar blasting op	ing to be co selecting a ss of engin be worn a respirator r inst the ab otection sh hing to be s should all est equipm in falling d and enclosur erations to	inducted. Lo measure employee proportiate PPE. Evaluate the seering controls. It all simes. must be worn which is suitable to rative material being used, eye nould be worn, suitable proban worn, a protective helmet and so be worn, hearing protection, ent should be used if there is must should be used during minimise exposure to int exposure to others in the work.	4	2	8	Yes
6	Hand Arm Vibration	Е	3	4	12	Grit Blast suitable tra of working All equips kept for ins Operative tightly. Operative i.e. wear gl maintain bit Select the Always ch properly moroperly moroperly more select the select	ing Operationed members with vibrationent should pection. It is are advised to the same and so the same and sa	one should be rotated with other pers of staff to reduce the effects on equipment. I be maintained and records seed not to grip the equipment too top their hands and arms warm suitable clothing in order to to the hands, fingers and arms. priment for the job.	3	2	6	Yes
7	Working at Height	E	4	4	16	Working a possible, if assessmer     Working a scaffold an     Fall Arres operation.     Operative height tech	at height sh this is not it should be at height sh d not a lad t should be as should be niques and	e used during the blasting e trained in safe working at d the safe use of safety	4	2	8	Yes
8	Contact with grit blast debris	E	4	3	12	protect aga and face pi treated clot safety boot Exclusion a members of exposure to contaminat Never poin body. Use a deax the blasting Ensure who operates as	respirator r inst the ab inst the ab officion sh hing to be s should al cones shou if the public office elevated its. t blast noz. if man cont g hose. ere possible ach blast n	nust be worn which is suitable to caraive material being used, eye nould be worn, suitable proban worn, A protective helmet and so be worn. It do be established to protect and others in the vicinity from levels of hazardous air born cleeks of hazardous air born deas at any person or part of the rol device at the nozzle end of e that only one employee	4	1	4	Yes
9	Contact Lead Based Paints	E	3	3	9	Survey and place prior operation. Information to all opera Work shou	Assessment of the come and Instructives involved stop if the r any lead	ent of paint coating should take mencement of any blasting action should be made available sed in the grit blasting operation. ere is any presence of any based material, if in doubt	3	1	3	Yes
10	Fire /Explosion	E	5	4	20	should be of tested equilibrium and commercial Mechanica build up of Atmospher blasting op Fire Fightin trained in fi	checked for pment prior ontinuously I dust extra air born du ic testing seration. Ig equipme re fighting	hould be carried out during the nt must be provided and staff and emergency procedures.	5	1	5	Yes
11	Manual Handling	E	3	3	9	Avoid haza reasonably Carry out s All staff to s Heavy Equ people.	rdous man practicable uitable and receive ma ipment to b	ted clothing to be worn.  usual handling operations so far as a.  s.  sufficient risk assessment.  rusal handling training  be carried by a minimum of 2  as where possible to move  ent.  asl handling techniques where	3	2	6	Yes
12	Confined Space Working	E	3	4	12	mechanica Any grit bla space mus- permit to w Areas whe should be a tested equi work and ci Atmospher blasting op Only traine enter a cor Ensue all trained and declarar Areas whe should Check to s apparatus i IF IN DOUL SUPERVIS	I means ca string work t be in con, ork system e grit blast blast blast blast blast ontinuously ic testing is e eration, reed, authoris fined space anks, vess; ad safe to ore ere grit blast se ef addition is required. BT SEEK A BOR.	emot be used.  To be carried out in a confined space inclination with a confined space inclination with a confined space inclination with a confined space in the confined space	3	1	3	Yes
13	Use of Compressors' air powered tools	E	4	4	16	equipment. Connection Connection pressurisin Visually ex or damage IT IS NOT: UNTIL REF OBTAINED Fit looking hoses. Ensure the compresses valves, ma Post hazar Wear the a eye protect DO NOT py amy part of Ensure rub work as po Ensure tha disconnect hoses. Ensure cor in doubt co in doubt co	is must be g. amine hos must be respectively. SAFE TO I PLACEMED. It is collars and correct so dair system intain and if dwarning in propopriate ion, safety being the hor the body. Bergaiter the ssible to retay the same pressure in pressure in that the serious propersure in the property of the same pressure is near the same pressure in the same pressure in the property of the same pressure in the same pre	USE DO NOT START WORK TO COUNTED THAT WORK TO COUNTED THAT BEEN and who place that to restrain unrop pressure is used and in protected by adequate relief in protected by adequate relief in protection. In protection of the protection of protection of protection of the protection of the protection of the the the protection of the the the the the the the the	4	1	4	Yes
14	Damage to adjacent structures	E	4	4	16	Adjacent st sheeting or	ructures no suitable p ons posted	ent structures needs to be made, sed to be protected with rotection. and members of the public	4	1	4	Yes
15	Damage to the environment	E	2	4	8	Clean up p daily, or as finished. All waste m	aint chips, soon as p naterial to b	erial to enter all watercourse. dust, and abrasive material ossible after blasting has se placed in the appropriate gnated storage area.	2	2	4	Yes
16	Slips, Trips and Falls	E	3	4	12	All material Work area Ensure all	s and equi to be kept hoses and	gnated storage area. pment to be stored safely. clear and free from hazards. electrical cables are stored away and exit routes. ng 110v should be provided.	3	2	6	Yes