

Project COSHH Risk Assessment		Portsmouth Demolition & Salvage Ltd
Product Name: Respirable Crystalline Silica (RCS)	Ref: 07	

Description of activity or process: <i>(including duration, frequency & quantity of substance)</i>	Respirable dust produced from the demolition of structures containing a variety of products, such as bricks, mortar, tiles, concrete and sand.
Substance identification & name of manufacture: <i>(ensure that a copy of the latest data sheet is attached to this risk assessment)</i>	Product Name: <i>N/A</i> CAS No: EINECS No:

Product Classification:

 ☐ Corrosive (to skin, eyes and/or metals)	 ☐ Other Health Hazards	 ☐ Oxidising Gasses, Liquids or Solids
 ☐ Hazardous to Environment	 ☐ Explosives (incl some self-reactives)	 ☒ Severe Health Hazards
 ☐ Gasses Under Pressure	 ☐ Flammable Materials	 ☐ Acute Toxicity

Routes of Exposure:				
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Skin ☒	Eyes ☒	Inhalation ☒	Ingestion ☒
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Hazard Statement:	▪ Causes severe lung diseases such as Silicosis, Lung Cancer & COPD
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Risk Matrix: <i>(likelihood x severity)</i>	Likelihood	Severity		
		minor - 1	major -2	serious - 3
	low – 1	low 1	low 2	med 3
	medium -2	low 2	med 4	high 6
	high -3	med 3	high 6	high 9
	rating:	<i>L3xS3=High 9</i>		

Person(s) at Risk:			
Employees	☒	Visitors	☒
Building Users	☐	Public	☒
Young Persons	☒		
Workplace Control Measures:	- Avoid the production of dust by considering the means of demolition. - Use local exhaust ventilation when cutting or grinding etc. - Use water suppression. - Operatives and visitors to wear correctly fitted P3 respirator and be face fit tested. - Respirators are to be regularly changed. - Operatives are to be notified of the severe health hazards that RCS poses. - Do not dry sweep. - Do not use compressed air to move or dissipate dust.		
Safety Phrases:	Not applicable.		
Health Surveillance:	Yes	☒	No ☐
Personal Protective Equipment: (state type & standard)			
 ☐ Dust Mask  ☒ Gloves  ☒ Respirator  ☒ Footwear  ☒ Goggles  ☒ Overalls  ☐ Visor  ☐ Other Type & Standard of PPE: <i>Goggles EN166</i> <i>P3 Respirator</i>			
First Aid & Emergency Procedures:	- Remove casualty from affected area and seek medical advice if symptoms persist. - Wash out eyes with copious amounts of water. - Clean up using suction or wet sweeping. - Health surveillance may be required for those exposed to RCS.		
Storage:	Keep stock piles wet to prevent spread of dust.		
Disposal of Substances & Contaminated Containers:	Hazardous Waste ☐ Skip ☐ Return to Yard ☐ Return to Supplier ☐ Other ☐		
Final Risk Rating:	Low	☐	Medium ☒
			High ☐

Written By:

Lee Shirley

Date:

23-Nov-18

Review Date:

Following any significant change in the work process or substance