

N°	Activity	Hazard Risk	Risk								Control Procedures/Actions	Resultant Risk Assessment			
			To	Severity			Likelihood			Assessment		H	M	L	
				H	M	L	H	M	L						
1	Delivery of Materials														
1.1	General public getting onto site.	Personal injury.	Trespassers	H				M		High	1. Although works are within the Site Boundary there is a risk of entry from the General public when parking and using Pall Mall. Ensure that the fence line is secure and signed. 2. Ensure the site boundary is included within safety audits. 3. Banksman to close gateways in any fence line once site vehicle has passed and deter unauthorised access.			L	
1.2	(Restrictions on) Vehicular access to site	Disruption to project schedule and nuisance	Project Progress, General Public		M			M		High	1. No significant restrictions for plant (crane, excavator) accessing the Site.			L	
1.3	Working on site, authorised personnel	Personal Injury	Authorised personnel		M			M		High	1. Ensure all personnel entering the site are made aware of the site hazards through an induction. 2. No unauthorised persons to be allowed unescorted access to the site. 3. Maintain ‘good order’ on site. Keep walkways clear of debris (trip hazards); mop up spills and pump away water to avoid slips.		M		
1.4	Site traffic	Collision with plant and structures	Plant, structures or services	H				M		High	1. Site speed limits to be obeyed at all times 2. SF&S to ensure that Banksmen are used during all moving operations.		M		
1.5	Banksman / labouring near mobile plant.	Personal injury from impact of plant or debris	Demolition operatives, site personnel	H				M		High	1. Traffic / pedestrian routes have been agreed with the Client to minimise shared access. These will be reviewed as activities progress through defined work phases. 2. Operatives / site personnel are to keep out of the working radius of the Plant.		M		

N°	Activity	Hazard Risk	Risk									Control Procedures/Actions	Resultant Risk Assessment		
			To	Severity			Likelihood			Assessment	H		M	L	
				H	M	L	H	M	L						
											<p>3. SF&S operatives to ensure safe access / egress routes are maintained at all times.</p> <p>4. SF&S operatives to wear Hi Vis vest.</p> <p>5. SF&S to install suitable fencing and danger warning signs in the designated work areas.</p>				
2	Working Near Live Services														
2.1	Electricity														
2.1.1	Electricity	Electrocution	Operatives	H				M		High	<p>1. Client to confirm that all power supplies to the project areas have been terminated and cables have been physically cut.</p> <p>2. Client to issue isolation certificates to the SF&S Site Manager prior to the removal of plant or equipment.</p> <p>3. Client to ensure that all live cables that are to remain in place are to be clearly marked prior to the commencement of any operations.</p> <p>4. All cables that are not cut or marked are to be assumed live</p> <p>5. No SF&S operative to cut through any cable that has not been viewed and confirmed as having two air gapped ends.</p> <p>6. SF&S to ensure that actions have been taken to protect any services that are to remain live.</p> <p>7. SF&S to ensure that any equipment taken to site is PAT tested and transformed down to 110v.</p> <p>8. Client to sign isolations boxes on method statements.</p> <p>9. All areas to be excavated to be cat scanned.</p>		M		

N°	Activity	Hazard Risk	Risk								Control Procedures/Actions	Resultant Risk Assessment		
			To	Severity			Likelihood			Assessment		H	M	L
				H	M	L	H	M	L					
2.1. 2	Operating mobile plant near over head electric cables	Electrocution.	Operatives, Driver	H				M		High	N/A			
2.2	Gas													
2.2. 1	Gas –Natural, Propane,	Injury as a result of explosion		H				M		High	N/A			
2.2. 2	Inert gases; Argon, Nitrogen	Depletion of Breathable atmosphere, Asphyxiation	Operative, Authorised personnel, Contractor, Site personnel	H				M		High	N/A			
2.3	Compressed Air	Injury Following on From Blood Clotting	Operative, authorised personnel, Contractor s, Site personnel	H				M		High	N/A			
2.4	Fire / Security Alarm	Injury as a result of delayed response to emergency situation	Operative, authorised personnel, Contractor s, Site personnel	H				L		Med	1. Fire Alarm system within the conveyor will be kept live up to the point of demolition; confirmation is required that the affected areas have been re-routed prior to demolition. 2. SF&S to provide Air horns for each project area/team. 3. SF&S Site Manager to instruct all SF&S operatives on the project emergency procedures (induction). 4. All SF&S operatives to work to the Client’s hot work procedures as on permit.			L
2.5	Water	Injury as a result of delayed response to emergency situation	Operative, authorised personnel, Contractor s, Site personnel	H				L		Med	1. SF&S Contracts Manager to ensure that permission to use a standpipe has been granted by Severn Trent that the correct connections and hoses are provided for the project. 2. Site Manager to ensure that safe access to the fire fighting water system is maintained throughout the project.			L

N°	Activity	Hazard Risk	Risk									Control Procedures/Actions	Resultant Risk Assessment		
			To	Severity			Likelihood			Assessment	H		M	L	
				H	M	L	H	M	L						
2.6	Steam / hot oil	Burns and scalds from contact with live services	Operatives, Authorised personnel.	H				M		High	N/A				
2.7	Underground Services Electrical Cables, Water Services, Telecom cables, C.A.T.V. services.	Fire, Explosions, Flooding Asphyxiation, Electrocutation	Operatives, Authorised personnel. Site Activities	H				M		High	1. All excavations; including grubbing out of gantry supports will be covered by a Permit to Excavate issued by the SF&S Site Manager.			L	
2.8	Chiller Systems	Release of Ozone depleting materials	Environment, Site Hazard	H				M		High	N/A				
3	Working at Height														
3.1	Working at Height	Personal injury as a result of a fall.	Operatives, Authorised personnel.	H				M		High	1. Working at height cannot be avoided. 2. Works will be undertaken from within the body of the conveyor whenever practicable; as an existing safe place of work. 3. It will not be practicable to reduce the distance of fall (hence the consequences), by use of protective measures such as scaffolding. 4. Operatives to be trained in the hazards of working at height and in the use of any access equipment. 5. Operatives to be given clear instructions for any given task involving working at height.			M	
3.2	Working near an exposed edge	Personal injury as a result of a fall.	Operatives, Authorised personnel.	H				M		High	1. Where scaffolding or collective protection is not practicable, operatives to wear safety harnesses whilst accessing any area of the project where there is a risk of injury as a result of a fall: harnesses are to be attached to a suitable anchor point and in good condition. 3. SF&S will provide and fall restrictive barriers at the void in the basement.			M	

N°	Activity	Hazard Risk	Risk									Control Procedures/Actions	Resultant Risk Assessment		
			To	Severity			Likelihood			Assessment	H		M	L	
				H	M	L	H	M	L						
3.3	Working beneath dismantling operations.	Personal injury, impact from dropped hand tools/ liberated materials.	Operatives, Authorised personnel, Contractor s, site personnel.	H				M		High	1. Area will be secured at all times.to eliminate the risk from entering all danger areas 2. Exclusion zones to be defined and adhered. 3. Safetymen to be positioned at strategic points to stop unauthorised access to exclusion zone 4. Wearing of PPE, hard hats, to be enforced. 5. No tools, equipment, or removed materials to be stored close to any exposed edge.			L	
3.4	Use of MEWP	Personal injury as a result of overturning or trauma, suspended at height from harness.			M			M		High	1. MEWPS will only be used in areas under sole control of SF&S to minimise risks of impact from shared access. Use of MEWPS will be halted during skip exchange operations. 2. Operatives / site personnel are to keep out of the working radius of the Mobile Plant. 3. SF&S operatives to ensure safe access / egress routes are maintained at all times. 4. SF&S operatives to wear Hi Vis vest. 5. SF&S to install suitable fencing and danger warning signs in the designated work areas 6. Operator to ensure that the MEWP is suitable for the terrain. 7. Operator to ensure that the working limits of the machine are not exceeded. 8. Safety harness to be clipped to a secure anchor			L	

N°	Activity	Hazard Risk	Risk									Control Procedures/Actions	Resultant Risk Assessment		
			To	Severity			Likelihood			Assessment	H		M	L	
				H	M	L	H	M	L						
											point in basket whilst working from the MEWP. 9. Ground workers to be briefed in operation of lift controls from ground level to allow platform to be lowered in the event of an emergency.				
3.5	Use of Scaffold for demolition work	Personal injury as a result of a fall.	Operatives, Authorised personnel, general public		M			M		Med	N/A				
3.6	Use of Tower Scaffold.	Personal injury as a result of a fall.	Operatives, Authorised personnel		M			M		Med	N/A				
3.7	Working from a ladder	Personal injury as a result of a fall.	Demolition operatives	H				M		High	1. Ladders should only be used for short duration tasks or when it is not practicable to use other forms of access equipment. i.e. aluminium scaffold towers, full scaffold platforms etc. 2. Ladders should be in good condition and have the correct inspection documents before use. 3. All ladders should be of a British Standard Grade 1. 4. Ladders to be erected on a firm base and at the right angle i.e. a ratio of 1:4. 5. Floors must be clean free from loose dirt and oil. 6. Footwear should be clean and free from mud/debris. 7. When moving ladders always be aware of overhead power lines and electrical equipment.			L	
3.8	Working from a man basket (crane)	Personal injury as a result of a fall.	Demolition operatives	H				M		High	N/A				
4	Working near fragile materials														

N°	Activity	Hazard Risk	Risk									Control Procedures/Actions	Resultant Risk Assessment		
			To	Severity			Likelihood			Assessment	H		M	L	
				H	M	L	H	M	L						
4.1	Access for purpose of inspection or demolition works	Personal injury as a result of a fall	Demolition operatives	H				M		High	There will be no need to access any area considered to be constructed from a fragile material.				
5	Lifting Operations														
5.1	Lifting of plant, equipment or persons	Personal Injury	Demolition Operatives, authorised personnel, General Public.	H				M		High	1. All equipment must be suitable for purpose. 2. Equipment must be marked with its Safe Working Load, which must not be exceeded. 3. All equipment can be located in a safe position on firm ground away from external hazards. 5. All Operatives will provide evidence of training or competency to the SF&S Site Manager. 6. Where required evidence of ‘thorough examinations’ will be viewed by the Site Manager.		M		
5.2	Removal of tanks vessels and redundant plant	Personal injury (crushing) as a result of dropped load.	Demolition Operatives, authorised personnel.	H				L		Med	N/A		M		
5.3	Removal of liberated plant and equipment (internal).	Personal injury (crushing) as a result of a dropped load.	Demolition Operatives, authorised personnel.	H				L		Med	N/A				
5.4	Working with 360° Excavator	Electrocution	Driver, Banksman Site Operatives	H				M		High	1. All operations to be covered by the permit to work system 3. SF&S to carry out a underground service scan prior to any excavation work.				
5.5	Working with 360° Excavator	Explosions	Driver, Banksman Site Operatives	H				M		High	Permit to Work system will apply (Unexploded Ordnance)			L	
5.6	360° Excavator	Personal injury as a	Driver, Banksman,	H				L		Med	1. SF&S to ensure that only Trained operatives are used for these operations.			L	

N°	Activity	Hazard Risk	Risk									Control Procedures/Actions	Resultant Risk Assessment		
			To	Severity			Likelihood			Assessment	H		M	L	
				H	M	L	H	M	L						
		result of overturning.	Authorised personnel									2. SF&S to ensure that all plant is suitable for the area that it will be operating in. 3. Traffic routes to be agreed with Client and other contractors to minimise shared access. 4. SF&S to ensure that Banksmen are used during all manoeuvring operations. 5. Site speed limits to be obeyed at all times			
5.7 - 5.8	Driving FLT / Dumper Truck	Personal injury as a result of overturning and following collision	Driver		M			M		Med	1. SF&S to ensure that only Trained operatives are used for these operations. 2. SF&S to ensure that all plant is suitable for the area that it will be operating in. 3. Traffic routes to be agreed with Client and other contractors to minimise shared access. 4. SF&S to ensure that Banksmen are used during all manoeuvring operations. 5. SF&S operatives to wear Hi Vis vest. 6. Site speed limits to be obeyed at all times 7. SF&S Site Supervisor to ensure that operatives and authorised personnel are segregated.			L	

N°	Activity	Hazard Risk	Risk									Control Procedures/Actions	Resultant Risk Assessment		
			To	Severity			Likelihood			Assessment	H		M	L	
				H	M	L	H	M	L						
6	Use of Plant and Equipment														
6.1	Demolition works	Personal Injury	Demolition Operatives	H				M		High	1. SF&S to ensure that all plant and equipment selected is fit for purpose. 2. SF&S to ensure that all equipment provided for work is ‘in-test’, ‘certificated’ and maintained in good condition. 3. SF&S to ensure that facilities are provided as appropriate to store equipment in conditions that will not lead to their deterioration. 4. SF&S to ensure that only trained and competent personnel are allowed to use plant and equipment provided.			L	
6.2	Cutting operations.	Electrocution.	Demolition Operatives.	H				M		High	1. SF&S to ensure that only trained and competent personnel are to use power tools. 2. Trailing leads are to be kept to minimum. 3. Trailing leads are not to be trailed over traffic / pedestrian routes without being protected and signed. 4. Client to confirm that all power supplies to the plant to be removed have been terminated and cables have been physically cut.			L	
6.3	Cutting with Saws (Reciprocating Stihl, Chain..)	Cuts, breakages.	Demolition Operatives.		M			M		Med	1. Only trained and competent personnel to use Reciprocating Saw, Stihl saw 2. SF&S site supervisor to ensure that the correct PPE is used at all times during cutting operations.			L	

N°	Activity	Hazard Risk	Risk									Control Procedures/Actions	Resultant Risk Assessment		
			To	Severity			Likelihood			Assessment	H		M	L	
				H	M	L	H	M	L						
											3. Other operatives / site personnel are to be prevented from entering the cutting area.				
6.4	Cutting with Saws (Reciprocating Stihl, Chain..)	Damage to eyes	Demolition Operatives, authorised personnel.	H				M		High	1. Only trained and competent personnel to use Reciprocating Saw, Stihl saw 2. SF&S site supervisor to ensure that the correct PPE is used at all times during cutting operations. 3. Other operatives / site personnel are to be prevented from entering the cutting area.			L	
6.5	Working with Power Tools.	Damage to hearing	Demolition Operatives.		M				L	Med	1. SF&S to provide ear protection and the SF&S site supervisor ensure it is use if assessed as being required. 2. Warning signs to be placed at strategic places. 3. Inform personnel in the area of on going operations. 4. SF&S site supervisor to ensure that all mandatory ear protection zones are Barrired and signed			L	
6.6	Use of Reciprocating Saw. Stihl saw	Explosion	Operatives, site personnel.	H				M		High	N/A				
6.7	Use of compressed air tools (air saws and drills, etc.)	Blood clots (death) through skin contact, personal injury through whip of baggings.	Operatives, site personnel	H				M		High	N/A				
6.8	Use of Power Tools	HAVS Vibration white finger	Operatives		M			M		Med	1. SF&S Site supervise to ensure that the correct PPE is supplied and used 2. SF&S Site Supervisor to ensure that operatives are rotated to minimise the operating times 3. SF&S Site Supervisor to ensure that regular breaks are taken for warm food and drinks, maintain blood flow			L	

N°	Activity	Hazard Risk	Risk									Control Procedures/Actions	Resultant Risk Assessment		
			To	Severity			Likelihood			Assessment	H		M	L	
				H	M	L	H	M	L						
												4. Operative to keep hands warm 5. SF&S Site supervisor to assess the exposure limits of power tools and ensure that operatives don't exceed daily exposure limits.			
6.9	Use of hand tools in demolition	Personal injury as a result of impact	Demolition Operatives		M			M		Medium	1. Ensure correct tool is selected for the task. 2.Ensure any cutting edges are sharp 3. Make sure any impact points are in good condition; not mushroomed which may cause the tool to slip. 4. Ensure that the tool handle is free from contamination or oil which could cause it to slip. 5. Wear eye protection for impact tools and gloves for cutting tools.			L	
6.10	Use of Chain saw	Personal injury as a result of impact from moving blade, Eye damage, hearing damage, HAVS	Demolition Operatives	H				M		High	N/A				
7	Poor Ground Conditions														
7.1	Use of Mobile Plant	Personal injury as a result of plant overturning.	Demolition Operatives, Site personnel.	H				M		High	1. The ground conditions have been assessed as satisfactory for general site traffic. Specific assessments will be required for the development of lift plans.			L	
7.2	Pedestrian access	Personal injury as a result of a slip and fall.	Demolition Operatives, Site personnel.		M			M		High	1. Pedestrian walkways to be defined and kept clear of mud, debris and slip hazards wherever practicable. 2. Suitable footwear to be provided for the prevailing site conditions.		M		

N°	Activity	Hazard Risk	Risk									Control Procedures/Actions	Resultant Risk Assessment		
			To	Severity			Likelihood			Assessment	H		M	L	
				H	M	L	H	M	L						
7.3	Set up and use of crane	Personal injury as a result of plant overturning	Demolition Operatives, Site personnel.	H				M		High	Works to be undertaken as Contract Lift; see separate lift plans and risk assessments.		M		
8	Impact of Vehicles and Pedestrians														
8.1	Traffic movement on site	Personal injury as a result of an impact with site traffic.	Demolition Operatives, Site personnel	H				M		High	1. Traffic Management plan has been defined for the project to ensure segregation of pedestrians and vehicles. 2. The Project can be split into 3 sections with respect to traffic risk. a) Lifting of section connecting to Solent Building; this will be carried out over the period 14-16 th June. There will be no use of the adjacent areas including weighbridge over this period. b) Lifting over the Port Access Road; isolation works will commence to minimise re-routing of Port traffic and road closure as this section is lifted down. c) Lifting from Contractors Working Area (phase 1) and Contractors Compound (phase 2); no other port traffic will be within these areas; although temporary breaks may be required for Port Operatives to gain access to the quayside for mooring. 3. Banksman to be used for any other activity involving reversing. 4. Demolition equipment to be fitted with mirrors or other devices to give 360 degree visibility. 5. Speed limits of 10 mph to be enforced for the demolition site. 6. All personnel working on the site to be given instruction in site vehicle hazards through site safety induction.		M		

N°	Activity	Hazard Risk	Risk									Control Procedures/Actions	Resultant Risk Assessment		
			To	Severity			Likelihood			Assessment	H		M	L	
				H	M	L	H	M	L						
											7. High visibility clothing to be worn when on site.				
9	Storage of materials														
9.1	Storage of plant, equipment, and materials arising from demolition.	Personal injury resulting from slips, trips and falls.	Demolition Operatives, site personnel.		M				M		High	1. SF&S site supervisor to ensure good standards of housekeeping are maintained 2. All plant to be kept in secure store area when not in use. 3. Ensure safe access and egress to all project areas at all times. 4. Trailing Leads / Baggins are not to be trailed over Traffic / Pedestrian Routes without being protected and signed 5. Spillages of oils / chemicals to be contained and disposed of as soon as practicable.			L
9.2	Storage of plant, equipment, and materials arising from demolition.	Personal injury resulting from collapse of stored items.	Demolition Operatives, site personnel.		M					L	Med	1. Materials to be stored securely on the ground. 2. No materials to be stored close to any exposed edge. 3. Site personnel to be prevented from entering the project area. 4. All processed materials are to be placed into skips ASAP.			L
9.3	Storage of plant, equipment, and materials arising from demolition.	Personal injury resulting from collapse of structure on which materials are stored.	Demolition Operatives, site personnel.	H					M		High	1. Structural assessment to be completed for any platform or structure where materials may be stored at height. (Where there is a risk of persons being hit by materials on collapse). 2. Clear practical guidance to be given to all operatives to prevent overloading of structure.		M	

N°	Activity	Hazard Risk	Risk									Control Procedures/Actions	Resultant Risk Assessment		
			To	Severity			Likelihood			Assessment	H		M	L	
				H	M	L	H	M	L						
											3. Components of the conveyor running line will be removed from the section closest to the Solent Mill and placed onto the line in the adjacent section. Equipment and scrap removed from within the Solent Building will be skated into the first section for lifting to ground over the period 14-16 th June.				
See also Environmental section															
10	Unstable Structures														
10.1	Destabilisation of structures	Injury through impact following collapse of structure	Demolition operatives, Authorised personnel, site personnel members of the public, site services	H				M		High	1. Demolish structure in accordance with BS5189		M		
10.2	Working over slabs / cellars	Injury as a result structural collapse	Demolition operatives Machine drivers Banksmen, authorised personnel	H				M		High	1. Ensure that the conduit adjacent to the quayside; 415V distribution is marked and protected from trafficking by site vehicles.		M		
10.3	Machine demolition of buildings / breaking out of concrete floors, adjacent to structures that are to be retained.	Destabilisation of retained structures through collisions and vibrations	Operative site personnel and buildings	H				M		High	N/A				

N°	Activity	Hazard Risk	Risk									Control Procedures/Actions	Resultant Risk Assessment		
			To	Severity			Likelihood			Assessment	H		M	L	
				H	M	L	H	M	L						
11	Adjacent Land Use														
11.1.1	Demolition works	Personal Injury	Members of the public, workers from adjacent businesses.	H				M		High	1. High risk of impact on Simons activities. 2. Fenceline to be extended into the Taxi Rank to keep the General Public and their vehicles clear of the demolition zone. 3. Road closure to be enforced when lifting down the section of conveyor from other the Dock Access Road.			L	
11.2.1	Lifting heavy fencing or fence supports.	Manual handling injuries.	Site Operatives		M			M		High	1. Lifting heavy fence sections should not be undertaken by one person. 2. Manual handling training should be carried out by the entire workforce, and all dangers identified.			L	
11.2.2	Erection of fencing/hoarding	Fencing sections falling onto operatives before being secured.	Site Operatives, members of the public		M			M		High	1. Operatives should work in teams when erecting fencing to ensure that the fence section is supported at all times. 2. When stored fencing should be secured as not to fall on others.			L	
11.2.3	Erection of fencing/hoarding	Operatives trapped hands or arms between fence sections while erecting.	Site Operatives		M			M		High	1. All operatives undertaking this type of work should be experienced in the erection of Heras style fencings or hoarding.			L	
12	Work on Excavations														
12.1	Excavation operations	Electrocution, gas explosion, and personal injury from a burst water main.	Operative and under ground services.	H				M		High	1. All excavation operations are to be carried out under the control of a permit to dig. 2. Client to provide site drawings for any underground services in the project area.			L	

N°	Activity	Hazard Risk	Risk									Control Procedures/Actions	Resultant Risk Assessment		
			To	Severity			Likelihood			Assessment	H		M	L	
				H	M	L	H	M	L						
											3. SF&S site supervisor to refer to the service information to determine the possible depth of any services 4. SF&S site supervisor to ensure that the project area is checked with the use of a CAT scanner / Pipe detector, to determine the position of any underground services.				
12.2	Excavation operations	Structural damage	Operatives, Building, roadways and hard standings		M				L	Med	N/A				
12.3	Operatives working in confined areas (Trenches)	Asphyxiation	Operatives	H				M		High	N/A				
12.4	Operatives working in confined areas (Trenches)	Personal injury as a result or entrapment	Operatives	H				M		High	N/A				
12.5	Operatives working in confined areas (Trenches)	Personal injury as a result of mobile plant movements causing the collapse of the trench sides.	Operatives	H				M		High	N/A				
13	Works on wells, working underground or on tunnels.- These works are not within the scope of works undertaken by SF&S Limited.														
14	Work near water														
14.1	General access when working near water	Drowning	Demolition operatives	H				M		High	N/A			L	
14.2	Working near contaminated water	Leptospirosis (Weil's disease).	Demolition operatives	H				M		High	1. Weil's disease is spread through rat and cattle urine. 2. Cover all cuts and broken skin with waterproof plasters before and during work. 3. Wear protective clothing. 4. Wash your hands after handling any contaminated clothing or other materials, and always before eating, drinking or smoking.			L	

N°	Activity	Hazard Risk	Risk									Control Procedures/Actions	Resultant Risk Assessment		
			To	Severity			Likelihood			Assessment	H		M	L	
				H	M	L	H	M	L						
											5. Report any illness to your doctor. Tell the doctor about your work. 6. Leptospirosis is much less severe if it is treated promptly. If your doctor decides you have leptospirosis tell your employer, who must then report it to the Health and Safety Executive.				
14.3	Working on quayside	Injury as a result of falling into the water, shipping colliding with the quayside in the project area		H				M		High	1. Works near the quayside will be suspended whilst vessels are berthed. 2. Client to forward berthing schedules to the SF&S Contracts Manager, Site Manager and SHE Advisor. 3. SF&S site supervisor to ensure that the correct PPE is supplied and used (Lifejackets to be used by personnel working in close proximity to the waters edge). 4. All operatives and machines to keep clear of the quayside edge. 5. SF&S site supervisor to ensure that rescue equipment is readily available a) Rescue lines b) Lifebuoy 6. Position lookout / safety men during shipping movements close to the project area. 7. If it is observed that shipping movements are close to the project area, all personnel will: - a) Cease work and leave equipment as safe as practical. b) Vacate the project area until it is safe to resume operations.			L	
15	Work involving Diving: This is outside the scope of works undertaken by SF&S Dismantling Limited														

N°	Activity	Hazard Risk	Risk								Control Procedures/Actions	Resultant Risk Assessment		
			To	Severity			Likelihood			Assessment		H	M	L
				H	M	L	H	M	L					
16	Work in a Caisson													
16.1	Operatives working in Caisson.	Asphyxiation	Operatives	H				M		High	N/A			
16.2	Operatives working in Caisson	Personal injury as a result or entrapment as a result of water ingress.	Operatives	H				M		High	N/A			
17	Work involving Explosives: All such work would be undertaken by a competent approved Contractor.													
18	Removal of Asbestos													
18.1.1	Identification of potential asbestos content.	Control limit of 0.1 fibres/cm3 over 4h may be exceeded if materials are not correctly identified.	Demolition operatives, site personnel and general public.	H				M		High	1. A pre-demolition asbestos survey has been completed (Economic Insulations 09-10/04/2013) confirming the presence of Chrysotile Asbestos within mastics on the conveyor roof joints, duct joining compounds, inspection hatch gaskets, floor tiles (within the drivers loader cabin) and flash pads.			L
18.1.2	Confirmation that the work is non-licensed.	Control limit of 0.1 fibres/cm3 over 4h may be exceeded if materials are not correctly identified.	Demolition operatives, site personnel and general public.	H				M		High	1. Pre-demolition survey has been reviewed; materials are Chrysotile based in good condition or encapsulated there is no need to appoint a licensed asbestos removal Contractor or treat as Notifiable Non Licenced.			L
18.1.3	Definition of work to be completed.	Failure to define the work could lead to the control limits being exceeded.	Demolition operatives.	H				M		High	1. Quantity of ACM to be specified in method statement. 2. Expected duration of work to be specified in method statement. 3. Equipment to be used and sequence of demolition to be specified in method statement. 4. Methods to minimise fibre loss to be specified (mist spray).			L

N°	Activity	Hazard Risk	Risk									Control Procedures/Actions	Resultant Risk Assessment		
			To	Severity			Likelihood			Assessment	H		M	L	
				H	M	L	H	M	L						
18.1.4	Confirmation of site conditions.	Failure to identify 'hot spots' of ACM in poor condition could lead to control limits being exceeded.	Demolition operatives, site personnel	H				M		High	1. Trained operatives with level 2 asbestos awareness to be used. 2. Operatives to be briefed in the work to be undertaken and sign for understanding of MS and RAS. 3. Operatives to undertake personal risk assessment at the workplace to confirm that ACM is in a fit condition for removal. 4. If suspect material is encountered work will not continue until it is identified and additional controls deployed.			L	
18.1.5	On site confirmation that the work is non-licensed.	Control limit of 0.1 fibres/cm3 over 4h may be exceeded if materials are not correctly identified.	Demolition operatives, site personnel	H				M		High	Operatives and Site Manager to confirm conditions when on site.			L	
18.1.6	Assessment of expected exposure.	Control limit of 0.1 fibres/cm3 over 4h may be exceeded if materials are not correctly identified.	Demolition operatives, site personnel	H				M		High	1. Removal of asbestos will only impact upon 2 of the 6 operatives removing floor tiles, flash pads and gaskets (low duration and low risk of exposure). The mastic in the roof joints will not be disturbed; with the steel being processed by cold methods prior to removal from site as steel with diminish quantity of contaminant. 2. RP3 masks to be used as standard (on precautionary principle) site assessment to be carried out to determine whether higher level of protection is required.			L	
18.1.7	Use of RPE	Incorrect usage of PPE renders it useless.	Demolition operatives.	H				M		High	1. RP3 masks to be used as standard (on precautionary principle) site assessment to be carried out to determine whether higher level of protection is required. 2. All operatives to have received 'face fit' testing and training in the correct use of RPE.			L	

N°	Activity	Hazard Risk	Risk									Control Procedures/Actions	Resultant Risk Assessment		
			To	Severity			Likelihood			Assessment	H		M	L	
				H	M	L	H	M	L						
											3. Site Manager to check that operatives are clean shaved and monitor safe use of equipment.				
18.1.8	De-contamination of plant and equipment used.	Failure to keep plant clean could lead to control levels being exceeded.	Demolition operatives, maintenance personnel.	H				M		High	1. Tack rags and damp cloth to be used to wipe down equipment after use (used cleaning materials to be bagged*). * double bagged and labelled as asbestos waste.			L	
18.1.9	Personal decontamination	Failure to adopt safe procedures in the use of PPE could lead to exposure to asbestos fibre.	Demolition operatives, site personnel.	H				M		High	1. ‘Tyvek’ suits to be worn when working with asbestos. 2. Operatives working with ACMs must not enter site offices or welfare units wearing their PPE. 3. Area to be defined for removal of PPE. RPE to be the last item to be removed. 4. All used PPE to be bagged and labelled as asbestos waste. 5. Changing area to be wiped down at regular intervals (tack rags).			L	
18.1.10	Site Hazards	Failure to adequately assess other hazards on site could lead to serious injury or death.	Demolition operatives, site personnel and general public.	H				M		High	Full risk assessment to be undertaken for other site hazards on a project specific basis.			L	
18.1.11	Control of waste	Failure to contain and control waste could lead to release of asbestos fibre.	Demolition operatives, site personnel and general public.	H				M		High	1. All ACM to be bagged* and labelled as ACM waste and taken to secure storage. 2. All tack rags and similar used to clean work and changing areas to be bagged, labelled and taken to secure storage. 3. All waste to be disposed of in accordance with statutory duty of care with licenced waste carriers and registered disposal sites.			L	

N°	Activity	Hazard Risk	Risk									Control Procedures/Actions	Resultant Risk Assessment		
			To	Severity			Likelihood			Assessment	H		M	L	
				H	M	L	H	M	L						
											* materials to be placed in a red inner bag with an asbestos warning and clear outer bag with appropriate CDG (carriage of dangerous goods) labels in accordance with the guidance in em9 asbestos essentials (disposal of asbestos waste).				
18.2	Clearance of asbestos cement sheeting	Asbestosis	Demolition operatives. Site personnel	H				M		High	N/A				
18.3	Removal of CAF Gaskets	Asbestosis	Demolition Operatives,	H				M		High	1. Avoid disturbance of gaskets if practicable. 2. Cut pipes either side of flanges and dispose of whole section as Asbestos. 3. If flanges are to be retained; spray with water to impregnate and ease flange apart-peeling the gasket away to minimise the risk of disturbance.			L	
18.4	Dismantling Operations (Location asbestos type materials, not previously identified in the asbestos survey)	Asbestosis	Demolition Operatives,	H				M		High	1. Particular care to be taken when tackling previously inaccessible areas, instructions to be given not to disturb suspect material. 2. Site of any suspect material to be made secure. 3. Operatives to seek clarification of all unidentified materials encountered 4. Remove all personnel from the area 5. Inform the Client’s project manager of the situation 6. Inform SF&S head office of the situation; await further instructions from head office 7. Licensed Asbestos Contractor, to be utilised as appropriate			L	

N°	Activity	Hazard Risk	Risk									Control Procedures/Actions	Resultant Risk Assessment		
			To	Severity			Likelihood			Assessment	H		M	L	
				H	M	L	H	M	L						
19	Dealing with Contaminated Land														
19.1	Clearance of ground debris	Infection: Hepatitis C, Weil's Disease	Demolition Operatives		M			M		High	1. Use mechanical mean if practical to minimise contact with dust and residues 2. SF&S Site Supervisor to ensure the correct PPE is supplied and used at all times.			L	
20	Manual Handling														
20.1	Manual handling of Plant, liberated materials, waste etc.	Muscular / skeletal damage (Back injury).	Demolition Operatives.		M			M		High	1. SF&S site supervisor to assess requirements on a 'task- by task', basis. Consider Task, Individual, Load and Environment. 2. Use of mechanical equipment, wherever possible.			L	
20.2	Manual handling of Plant, liberated materials, waste etc.	Cuts and abrasions.	Demolition Operatives		M			M		High	1. SF&S site supervisor to ensure that the correct PPE is supplied and use at all times throughout this project: - Good rigger gloves when handling material			L	
20.3	Handling of contaminated Plant, liberated materials, waste etc.	Dermatitis, skin Irritation burns.	Demolition Operatives.		M			M		High	1. SF&S site supervisor to ensure that the correct PPE is supplied and use at all times throughout this project: - Oil or chemical resistant gloves to be used as appropriate. 2. Operatives to ensure that all substances found on materials requiring lifting are identified before handling.			L	
20.4	Handling of Glass	Lacerations to hands and eye damage.	Demolition Operatives		M			M		High	1. Assess whether the glass needs to be removed.			L	

N°	Activity	Hazard Risk	Risk									Control Procedures/Actions	Resultant Risk Assessment		
			To	Severity			Likelihood			Assessment	H		M	L	
				H	M	L	H	M	L						
											2. Cross tape the glass to reduce the risk of glass being broken. 3. Use suction pads to hold on to the glass as it being removed to reduce the risk of hands being sliced by sharp edges. 4. Consider wind loadings when removing/lifting sheets of glass. 5. Wear safety glasses. 6. Wear cut resistant gloves and full body cover. 7. If windows have already been broken set out sheeting inside the structure to take any shards. Do not break glass outwards, particularly when working at height. 8. Using hand tools loosen the glass such that it can be lifted onto the protective sheeting. 9. Use hand tools, bar or claw of hammer, to clean out residual fragments of glass adhering to the frame. 10. Do not attempt to brush clear with your hand; embedded fragments will cut through your gloves and hand. 11. Roll up all glass fragments in the protective sheet, make secure and lower to ground by rope.				
21	Use of Hazardous Substances														
21.1	Maintenance of equipment, cleaning and decontamination activities, manual handling of contaminated materials.	Dermatitis, skin Irritation burns.	Demolition Operatives.		M			M		High	1. All substances must have an assessment carried out on them before they are used in the workplace. This assessment will establish the possible harmful effects, how it is handled, how it is to be stored and			L	

N°	Activity	Hazard Risk	Risk									Control Procedures/Actions	Resultant Risk Assessment		
			To	Severity			Likelihood			Assessment	H		M	L	
				H	M	L	H	M	L						
											what appropriate control measures should be taken. 2. If substances unknown to the personnel on the site are discovered, they must be brought to attention of the Site Manager and a suitable assessment must be carried out before the substances are handled. 3. The risk to personnel must be considered and the exposure to harmful substances must be reduced to a safe level wherever possible. 4. Where use of hazardous substances cannot be avoided all possible precautions must be taken to minimise exposure. 5. All appropriate PPE must be used as required by the assessment.				
21.2	Cleaning and Dismantling internal structures	Infection: Psittacosis	Demolition Operatives		M				L	Med	N/A				
21.3	Demolition and removal of plant and equipment	Irritation and burns to skin mouth and eyes. Exposure to corrosives / irritants.	Demolition Operatives.	H				M		High	1. SF&S to review full COSSH data on site establishment. 2. SF&S site supervisor to ensure that the correct PPE is supplied and utilised throughout the project. 3. Wherever possible remove dust and waste materials from the area, and place into skips ready for disposal. 4. If required, project areas are to be mist sprayed with water to suppress any dust and airborne particles.			L	
21.4	Removal of equipment / pipework by hot cut methods covered with	Irritation of bronchial tract through Polyurethane / dust inhalation		H				M		High	N/A				

N°	Activity	Hazard Risk	Risk									Control Procedures/Actions	Resultant Risk Assessment			
			To	Severity			Likelihood			Assessment	H		M	L		
				H	M	L	H	M	L							
	Polyurethane insulation															
21.5	Re-fuelling of mobile plant and machinery with diesel / gas oil	Drying and cracking of skin and possible dermatitis, especially from repeated prolonged contact with diesel / gas oil.	Demolition Operatives and maintenance personnel.		M				M		Med	1. SF&S Site Manager to ensure that the correct PPE is supplied and utilised throughout the project. 2. All re-fuelling operations to be carried out in a well ventilated area with the engine stopped and cool. 3. SF&S Site Supervisor to ensure that a suitable bunded area is used for the storage of fuel oil and refuelling of plant. 4. SF&S personnel maintain a high standard of personal hygiene. 5. Spills kit to be available during refuelling operations.				L
21.6	Site clearance and soft strip works	Hepatitis C , HIV through needle stick injury	Demolition Operatives, Estimating Manager, SHE Adisor	H					M		High	N/A				
21.7	Welfare issues	Infection, dermatitis, irritation, disease	Operatives, site visitors		M			H			High	1. Adequate toilet and washing facilities must be provided. 2. Procedures must be defined (rota) to keep facilities clean. 3. Hand towels/soap and warm water to be provided. 4. Sterile wipes to be provided at smoking stations. 5. No work clothes to be worn in welfare areas.			M	

N°	Activity	Hazard Risk	Risk									Control Procedures/Actions	Resultant Risk Assessment		
			To	Severity			Likelihood			Assessment	H		M	L	
				H	M	L	H	M	L						
											6. Changing and drying rooms to be provided and used. 7. Operatives to change from work clothes before travelling home/to ‘digs’				
22	Noise														
22.1	Use of Power tools, working near plant and machinery.	Hearing impairment, deafness.	Demolition operatives, site personnel.								1. Action should be taken to reduce noise at source. 2. All operatives should be aware that it is essential that the correct PPE is worn at all times e.g. Earplugs, Eardefenders.				
23	Dust														
23.1	Demolition of structures and traffic movements on site.	Inhalation leading to irritation of respiratory tract, skin, eyes. General statutory nuisance.	Demolition operatives, site personnel, general public.	H				M		High	1. There is a significant quantity of wheat dust within the conveyors. This presents a fire risk as well as an occupational health risk fro inhalation. Due note should be taken of the overall occupational exposure standards for dusts (10mg/m3) total dust which can be inhaled (5mg/m3) for respirable dust which includes cement, and the more stringent maximum exposure level for silica should this be involved. 2. The dust will be contained within the working area; through the conveyor ends being sealed prior to lifting to ground. 3. Dampen down with water to suppress dusts to an acceptable level and place materials into bags to prevent wind blown debris as sections of conveyor are released. 4. Operative s should be provided with adequate RPE (usually of the disposable type.)			L	

N°	Activity	Hazard Risk	Risk									Control Procedures/Actions	Resultant Risk Assessment		
			To	Severity			Likelihood			Assessment	H		M	L	
				H	M	L	H	M	L						
												5. Eye protection should be worn when the conditions require it.			
												6. Operatives must be instructed to maintain good standards of hygiene.			
23.2	Working with abrasive wheels	Inhalation leading to irritation of respiratory tract, skin, eyes.	Demolition Operatives, site personnel	H				M		High	1. Ensure work is carried out in a well ventilated area; must not be used until there is a physical break from the Solent Mills building. 2. Assess whether local exhaust ventilation, can be used (air movers). 3. If not practicable use appropriate respiratory protection. NB. Petrol operated machines must not be used in confined spaces or where the fumes could cause hazard to the operator or others.				
23.3	Demolition of a building containing Aspergillus dust.	Respiratory disease: Acute: fatal to people with very weak immune systems Chronic: reduced lung function.	Demolition Operatives, site personnel	H				M		High	N/A				
24	Vibration														
24.1	Use of Power Tools (e.g. abrasive wheels) or compressed air tools (e.g. breakers).	Hand Arm Vibration Syndrome (HAVS).	Demolition operatives.		M			M		High	1. Remote or machine demolition techniques cannot be used; due to concerns over neighbouring activities , potential damage to fibre optics and the surface of hardstandings. 2. Appropriate, suitable equipment to be selected for the task.				

N°	Activity	Hazard Risk	Risk									Control Procedures/Actions	Resultant Risk Assessment		
			To	Severity			Likelihood			Assessment	H		M	L	
				H	M	L	H	M	L						
											3. The vibration rating of tools should be used to calculate safe operating durations where prolonged exposure is anticipated. 4. Gloves should be used to keep the hands warm and improve circulation. 4. Operative rotation will be used to reduce exposure times and where applicable exposure times will be recorded. 5. Operatives to be given breaks for hot drinks to maintain blood circulation.				
25	Work with Ionising Radiation														
25.1	Excavation works, working in cellars, decontaminating plant containing ionising radiation sources.	Mutagenic effects, potential sterility, cancer.	Demolition Operatives, site personnel.	H				M		High	N/A				
26	Exposure to UV Radiation														
26.1	Demolition works	Skin burns and cancer	Demolition Operatives	H				M		High	1. Prolonged exposure to sunlight can give rise to melanomas (skin cancer). 2. Skin should be protected at all times; there may be additional chemical hazards that could cause dermatitis. 3. Wear lighter full body protection if heat is an issue. 4. Use sun block to protect the face. 5. Work in exposed areas in hot weather should be rotated allowing drink breaks to prevent dehydration.				
27	Working in Confined Spaces														
27.1	Accessing the inside of tanks / vessels	Personal injury following entrapment.	Operatives, Authorised personnel	H				M		High	N/A				

N°	Activity	Hazard Risk	Risk									Control Procedures/Actions	Resultant Risk Assessment		
			To	Severity			Likelihood			Assessment	H		M	L	
				H	M	L	H	M	L						
		falling and incapacitation													
28	Hot Works														
28.1	Liberation of plant and vessels	Explosion.	Demolition Operatives, Site Personnel.												
28.2	Working near gas supply lines	Explosion.	Demolition Operatives.												
28.3	Processing of liberated materials.	Poisoning through inhalation of fumes.	Demolition Operatives, Site Personnel.												

N°	Activity	Hazard Risk	Risk									Control Procedures/Actions	Resultant Risk Assessment		
			To	Severity			Likelihood			Assessment	H		M	L	
				H	M	L	H	M	L						
											area, well vented, signed, and fenced off. 7. All SF&S operatives to work to the Client’s hot work procedures as on permit.				
28.4	Processing of liberated materials.	Burns and inhalation of smoke as a result of fire.	Demolition Operatives, Site Personnel.		M				M		Med	1. Combustible material to be removed from all hot work areas prior to the start of any hot work operations. 2. Fire fighting equipment to be at the ready in all hot work areas. 3. Firemen to be in attendance throughout all hot cut operations. 4. The need for a fireman to be in attendance throughout hot processing operation will be reviewed on site establishment 5. All personnel to be made aware of the Emergency procedures. 6. Fire blankets to be used when working over plant. 7. Work area to be monitored for at least 1hour after burning has ceased. 8. All SF&S operatives to work to the Client’s hot work procedures as on permit.			L
28.5	Use of Burning equipment.	Explosion.	Demolition Operatives, Site Personnel.	H					M		High	1. Daily checks to be carried out on all gas cutting equipment by the SF&S supervisor or other competent operative i) Gas regulator. ii) Flashback arrester fitted. iii) Gas hose connections and hose condition. iv) Cutting guns. 2. All defects to be rectified prior to use 3. All bottles in use to be placed in a well ventilated area close to the project area and secured in the correct			L

N°	Activity	Hazard Risk	Risk									Control Procedures/Actions	Resultant Risk Assessment		
			To	Severity			Likelihood			Assessment	H		M	L	
				H	M	L	H	M	L						
											manner (Vertical) (Gas and oxygen to be stored apart) 4. All gas bottles not in use to be stored in a secure well ventilated area. 5. All empty gas bottles to be stored in a secure well ventilated area and marked accordingly (EMPTY) 6. All SF&S operatives to work to the Client’s hot work procedures as on permit.				
28.6	Use of Burning equipment.	Eye damage	Demolition Operatives.	H				M		High	1. SF&S Site Supervisor to ensure that the correct PPE is supplied and used at all times throughout this project: - <i>Tinted face shield / goggles</i> 2. All SF&S operatives to work to the Client’s hot work procedures as on permit.			L	
28.7	Use of Burning equipment.	Burns.	Demolition Operatives.		M			M		High	1. SF&S site supervisor to ensure that the correct PPE is supplied and use at all times throughout this project: - <i>Burning Gloves, Flame Resistant Overalls (Overalls to be changed regularly to prevent build up of combustible materials, e.g. oil.)</i> 2. All SF&S operatives to work to the Client’s hot work procedures as on permit.			L	
28.8	Use of welding equipment	Electrocution	Demolition Operatives, Site personnel	H				M		High	N/A				
29	Environmental Protection														
29.1	Dismantling of contaminated plant	Contamination of land and controlled water	Principal Contractor, Client	H			H			High	1. Ensure that all pipework, vessels and washings are placed into suitable containers prior to disposal 2. Ensure that all surface drains are protected by installing bund materials (Sand) around the drain 3. All spillages to be cleaned up immediately.		M		

N°	Activity	Hazard Risk	Risk									Control Procedures/Actions	Resultant Risk Assessment		
			To	Severity			Likelihood			Assessment	H		M	L	
				H	M	L	H	M	L						
												4. All liberated materials to be stored in a protected area. 5. SF&S Site Supervisor to ensure that a suitable bunded area is used for the storage of fuel oil and refuelling of plant.			
29.2	Drainage	Pollution and prosecution		H					L	Med	1. SF&S Site Supervisor to ensure that any drains in the project area are protected. 2. spills kit to be available in case of accidental spillage of oil or chemicals		M		
29.3	Effluent System	Pollution and prosecution		H				M		High	N/A				
29.4	Demolition of Buildings	Contamination of land and controlled waters.	Principal Contractor, Client	H			H			High	N/A				
29.5	Plant maintenance activities.	Contamination of land and controlled waters.	Principal Contractor, Client	H			H			High	1. Ensure that all surface drains are protected by installing bund materials (Sand) around the drain 2. All plant to be stored and maintained on concrete hard standing, any drains in the area to be protected as above. 3. If required drip trays are to be placed under machines as to control any spillage. 4. All spillages to be cleaned up immediately.		M		
29.6	Hot work operations.	Pollution of the atmosphere, creation of black smoke	Principal Contractor, Client.		M			M		Med	1. SF&S site supervisor to ensure that adequate fire fighting equipment is available throughout all hot work operations. 2. Firewatchers to be in attendance throughout any hot work operations. 3. Fire blankets to be used when necessary. 4. Fire retardant Polly sheets to be used to localise hot work operations 5. No waste to be burnt on site.		M		

N°	Activity	Hazard Risk	Risk								Control Procedures/Actions	Resultant Risk Assessment		
			To	Severity			Likelihood			Assessment		H	M	L
				H	M	L	H	M	L					
29.7	Waste disposal	Prosecution, Duty of Care	Principal Contractor	H				M		High	1. Copies of the waste brokers, waste carriers and waste disposal site licences to be forwarded on to the CDM Coordinator for inclusion in the H&S file 2. Duty of Care / Consignment notes to be signed off and forwarded to the CDM Coordinator for inclusion in the H&S file		M	
29.8	Site traffic	Creation of dust (nuisance)	Principal Contractor		M			M		Med	N/A			
29.9	Storage of waste	Litter (nuisance)	Principal Contractor Client			L			L	Low	1. SF&S site supervisor to ensure that a high standard of housekeeping is maintained throughout this project. 2. All waste to be stored securely in skips 3. All waste to be disposed of by others to be placed into the designated on site storage area. 4. Light waste streams to be bagged or placed in covered storage.			L
29.10	Segregation of waste	Minimise waste to landfill	Contractor			L			L	Low	1. Waste streams to be segregated at source wherever practicable. 2. Waste to be placed into segregated skips wherever practicable. 3. Where waste is sent to transfer stations- high recovery facilities are to be selected.			L
29.11	Use of plant, deliveries etc	Noise	General public		M		H			High	N/A			
29.12	Control of materials arising	Debris around the site	Shipping		M		H			High	Area regularly inspected by banksmen.		M	