

SCF – Risk Assessment

Oldham Service Station
571 Oldham Road,
Manchester,
M40 5AF

Hazard Category – What Might Go Wrong	Members of public	Operatives	Other		Members of public	Operatives	Other		Members of public	Operatives	Other
1 Fall from height (person)	X	X		19 Exposure to vibration *				Other Hazards			
2 Trip / fall on same level	X	X		20 Repetitive motion / action		X		37 Night Time Working			
3 Fall down access ladders	X	X		21 Collision – moving objects/vehicles	X	X		38 FOD – Foreign Object Debris		X	
4 Struck by moving object	X	X		22 Fire / flammable Atmosphere		X		39			
5 Struck by falling object		X		23 Working in DESEAR Zones	X	X		40			
6 Collapse / overturning		X		24 Drowning	X	X		41			
7 Trapped between objects		X		25 Asphyxiation		X		42			
8 Strike stationary object				26 Loss of containment – liquid/gas	X	X		43			
9 Manual handling		X		27 Adverse weather		X		44			
10 Contact with tools / equipment / etc		X		28 Sharp objects		X		45			
11 Contact with gas supply				29 Radiation *				46			
12 Contact with electricity		X		30 Exposure to fumes / dust	X	X		Other Considerations			
13 Contact with air / water /pressure / pressurised gas / gas / liquid		X		31 Young persons				1 Young people / pregnant women			
14 Contact with contaminated soil		X		32 Public entering sites	X	X		2 Waste products			
15 Contact with hazardous substance	X	X		33 Environmental threat	X	X		3			
16 Exposure to noise	X	X		34 Asbestos *		X		4			
17 Insecure Loading		X		35 Public access to site	X	X					
18 Collapse of shoring		X			X	X					

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01	Fall from height (person)	No edge protection. Working at height- falls Access to workface. Edge of excavation (leading edge) Offloading/loading equipment from truck bed.	2	3	6	Barriers (chapter 8) used to protect small excavation. Larger high-risk excavations will have fixed handrails. The raised beds of all trucks will be offloaded using an excavator with fork attached. All scaffolding erected to be as per NASC guidance. Operatives to use handrails and steps. Scaffold towers erected by PASMA trained personal. Safety harness and inertia reel.	Site Manager/supervisor operatives.	1	2	2	Daily, prior to work.	Site Manager/Supervisor
02	Trip/Fall on same level.	Slips, trips and falls. Loose stones, taking shortcuts across uneven ground. Mud building up in welfare and on steps due to bad weather. Strains, abrasions and ligament damage.	3	3	9	Be aware of working areas, use traffic routes provided with the working control zone. As discussed in toolbox talks be aware of surroundings including equipment. Wear supplied PPE and report any non-conformances. Welfare should be cleaned on a regular basis. Steps to the office should be of checker plate construction.	Site Manager/supervisor operatives.	2	2	4	Daily, prior to work.	Site Manager/Supervisor
03	Fall down access ladders.	Access ladders not fixed, Broken runs, Not sighted correctly, Too short, too steep Using scaffold as a work platform.	2	4	8	All ladders to be inspected daily. Ladder to be suitable and fixed to access gantry at 75 degrees (1 in 4). Maintain 3 points of contact. If more than 20 minutes use, then arrange for alternative MEWP/scaffold. Ladder should be tied and extended at least 1m above the landing point.	Site Manager/supervisor operatives.	2	2	4	Daily, prior to work.	Site Manager/Supervisor

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						A daily excavation form to be completed daily by site manager.						
04	Struck by moving object	Plant/Vehicle hitting pedestrians. Projectiles from abrasive wheels.	3	3	9	Site specific traffic/pedestrian routes in place and displayed within welfare. Routes marked out with barriers/panels covered with debris netting. Operators trained in abrasive wheel. PPE available in office	Site Manager/supervisor operatives.	1	3	3	Daily, prior to work.	Site Manager/Supervisor
05	Struck by falling object	Excavation support left full of earth. Tools left around edge.	3	3	9	Clean and tidy work area around excavation. Daily excavation inspection. All lifting equipment to be certified under LOLER 98	Site Manager/supervisor operatives.	2	3	6	Daily, prior to work.	Site Manager/Supervisor
06	Plant/Equipment overturning	Plant driven too fast, Untrained operator. Uneven access roads, Heaped spoil heaps. Not using seat belt.	2	3	6	Trained operators only to use equipment. Coloured beacons on all equipment to indicate seatbelt in use. Access plant routes kept clear and level. Spoil heaps to be kept under 2m. Speed limits in place.	Site Manager/supervisor operatives.	1	3	3	Daily	Site Manager/Supervisor

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07	Contact or Entrapment	Coming in to contact with equipment/material/plant while assembling earthwork supports.	2	3	6	Ensure all common lifts always have a banksman. All lifting equipment tested under LOLER 98. All earthwork manuals retained onsite and referred to when assembling equipment. Traffic management plan in place, pedestrian segregation from plant. See separate RAMS for earthwork support assembly.	Site Manager/supervisor operatives.	1	1	1	Daily, prior to work.	Site Supervisor. Chargehand.
08							Site Manager/supervisor operatives.				Daily, prior to work.	
09	Manual Handling	Injury from incorrect lifting techniques. Strains to back, shoulders and arms.	3	3	9	Mechanical plant with lifting available on site. Operatives given regular toolbox talks regarding manual handling. Any item weighing 25kg that can not be lifted by mechanical aid will have more than one person.	Site Manager/supervisor operatives.	2	2	4	Daily, prior to work.	Site Supervisor. Chargehand.
10	Contact with tools / equipment / etc	Using damaged or unprotected tools and equipment whose safety provision is comprised.	2	2	4	Ensure that the in built safety functioning of tools and equipment is working correcting by visual and manual inspection, never use unshanked tools. Report any issues to supervisor.	Site Manager/supervisor operatives.	1	1	1	Daily, prior to work.	Site Supervisor. Chargehand.

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11	Contact with Underground Gas Pipework	Striking gas pipe with excavator Hand digging equipment (shovels, picks, and spades) striking pipe. Larger plant tracking over and dislodging the ground support. Works coming close to larger assets when installing larger services	2	2	4	All information regarding the historical utility will be on site. Area CAT scanned every 500m during excavation. All works will conform to guidance HSG47 Banks men observing excavation at a safe distance. Permit to excavate in place. Information regarding existing services location from client on site and marked out on site. And shared to all site operatives	Site Manager/supervisor operatives.	1	1	1	Daily, prior to work.	Site Supervisor. Chargehand.
12	Contact with Electricity	Operatives coming into contact with electrical supply. Underground supply. Overhead cable strike. Temporary supply to welfare.	2	2	4	All information regarding the historical utility will be on site. Area CAT scanned every 500m during excavation. All works will conform to guidance HSG47 Banks men observing excavation at a safe distance. Goal post system around overhead live cables with written procedure included in the site induction.	Site Manager/supervisor operatives.	1	2	2	Daily, prior to work.	Site Supervisor.
13	Working with compressed air and pressurised liquids.	Compressor air lines attached to earthworks frame. Hydraulic system within the earthwork supports.	3	3	9	Goggles, gloves worn as part of PPE. All equipment will be tested and certified.	Site Manager/supervisor operatives.	2	3	6	Daily Weekly	Site Supervisor. Chargehand.
14	Working with contaminated soil.	Materials are carried off site by employees and vehicles. Build up of gasses and liquids in the excavations. Soil could contain heavy metals e.g., arsenic, cadmium and lead.	3	3	9	Geotechnical and Geoenvironmental ground survey carried out before start of project and copy to be retained on site. WAC testing carried out before excavation. Gloves and boots as PPE.	Site Manager/supervisor operatives.	2	3	6	Daily	Site Supervisor

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		Significant harm to people, property or protected species. Significant pollution of surface waters e.g., lakes and rivers or groundwater or well's disease. Harm to people as a result of radioactivity.				Welfare on site, hot water hand washing. Mobile gas detector installed within the excavation.						
15	Contact with chemical hazards.	Employees using chemicals while unaware of the risks. Spillage of fuels, solvents or lubricants. Accidental ingestion. Skin contact.	3	3	9	All chemicals on site in the COSHH register. All DATA sheets retained on site. Site specific COSHH risk assessments in place. Specific PPE made available to all. Toolbox talks regarding COSHH.	Site Manager/supervisor operatives.	1	2	2	Daily Weekly	Site Supervisor. Chargehand.
16	Exposure to noise.	Employees exposed to sudden peak sound pressure. Employees exposed to 87 decibels for daily or weekly periods of time.	3	3	9	All plant and machinery selected must be below 87 decibels. PPE available (helmet attached or earbuds).	Site Manager/supervisor operatives.	1	2	2	Daily Weekly	Site Supervisor. Chargehand.
17							Site Manager/supervisor operatives.				Daily, prior to work.	
18	Collapse of building. Excavation failure or earthwork support	Support overload. Support removed. Heavy plant (crane) working in close proximity to building. Traffic routes in close proximity to excavation. Adverse weather causing changes to soil viscosity. Sudden egress of water.	2	3	6	Geotechnical and Geoenvironmental ground survey carried out before start of project. Copy given to temporary works engineer. Engineers' site-specific demolition specs. Traffic routes at least 6m away from the excavation. No demolition by hand, all completed by the excavator as per	Site Manager/supervisor operatives.	1	3	3	Daily	Site Supervisor. Chargehand.

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						the engineer's design. Temporary works procedures in place. Spoil heaps kept low level, less than 30 degrees.						
19	Exposure to vibration.	Using handheld tools for prolonged periods of time. Operatives not informed of vibration risks.	3	3	9	All vibration breaking carried out by mini digger attachment where practical. HAVS register on site and completed by site manager when required. Toolbox talks on the risks of HAVS.	Site Manager/supervisor operatives.	1	3	3	Daily Weekly	Site Supervisor. Chargehand.
20	Repetitive motion / action	Sprains strains from repeated work Blunt tools, out of date equipment, unsuitable equipment/tools for task	2	3	6	Work allocated by competent manager, and reduced by allowing for mechanical aid. Tools replaced and upgraded. Plant, tools and equipment is hired or purchased for task	Site Manager/supervisor operatives.	1	3	3	Daily, prior to work.	Site Supervisor. Chargehand.
21	Collision – moving objects/vehicles	Plant/Vehicle hitting pedestrians.	2	3	6	Site specific traffic/pedestrian routes in place and displayed within welfare. Routes marked out with fixed barriers. High-vis clothing	Site Manager/supervisor operatives.	1	3	3	Daily, prior to work.	Site Supervisor. Chargehand.
22	Fire/Flammable atmosphere.	Build up of explosive atmosphere within excavations. Fuel spillage near excavation. Residual contaminants (from old/broken fuel tanks) left within the soil. Gas LPG leak from tanks into excavation. Gas (main) pipe struck by plant/tools.	3	3	9	Geotechnical and Geoenvironmental ground survey carried out before start of project to detect and identify any contamination. Mobile gas detector installed within the excavation. All site operatives to have SPA cards.	Site Manager/supervisor operatives.	2	2	4	Daily Weekly	Site Supervisor. Chargehand.

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23	Working in DESEAR Zones around the Forecourt.	•Ignition sources •Leaks •Spillage •Unauthorised personnel •Vapour release •Fire/explosion caused by ignition of vapour following uncontrolled release of product •Impacts	3	3	9	Correct equipment to be used in hazardous areas. available for access chamber covers. Provision of firefighting equipment and absorbent material Provision of cones and barriers Adequate lighting of working area. Gas monitor in place.	Site Manager/supervisor operatives.	2	2	4	Daily Weekly	Site Supervisor
24	Drowning	Operatives overcome with water. Sudden intake of water within the excavation.	2	3	6	Daily excavation form to be completed daily by site manager. Where required: temporary sump to be dug at one end of excavation and water pump installed. Excavation escape ladder to remain fixed in place. Site manager to stop work if the weather becomes hazardous.	Site Manager/supervisor operatives.	1	3	3	Daily	Site Supervisor. Chargehand.
25	Asphyxiation	Operatives overcome with pollutive atmosphere. Combustion engines to close to excavation edge, fumes pooling into excavation. Contaminated soil/water causing toxic fumes. Operatives cutting metal re-bar in excavation.	3	3	9	Geotechnical and Geoenvironmental ground survey carried out before start of project to identify any contamination. Mobile gas detector installed within excavation. Mobile (calibrated) gas monitor always used within the excavation. All cutting prohibited within vapour zones. A daily inspection for to be completed by the site manager. Large pump to be secured away from excavation (see fumes)	Site Manager/supervisor operatives.	1	2	2	Daily	Site Supervisor. Chargehand.
26							Site Manager/supervisor operatives.				Daily	Site Supervisor. Chargehand.

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27	Adverse weather	Sudden downpour flooding excavation. Excess heat in sunny weather. Icy ground conditions. Hot sunny days, high UV radiation. Dehydration from heat	3	3	9	Site manager to stop work if weather becomes hazardous. Toolbox talk on working in the sun. Sun cream supplied by SCF within the welfare/office. Drinking water supplied within welfare unit. Compulsory hard hat rule, and no naked torsos allowed on site.	Site Manager/supervisor operatives.	1	2	2	Daily	Site Supervisor. Chargehand.
28												Site Supervisor. Chargehand.
29												
30	Exposure to dust.	Cutting stone/concrete with petrol cutter. Dry cutting among other operatives. Ingestion of silica dust.	3	3	9	Water suppression system fitted on all petrol cutters. Toolbox talks on the controlling of dust and the dangers of silica dust.	Site Manager/supervisor operatives.	2	3	6	Daily	Site Supervisor. Chargehand.
31												
32	Public entering site	Members of the public entering the site during the working shift. Out of hours (darkness) trespassers entering site. Children playing on site after shift.	2	3	6	GS7 Heras panels with clips always surrounding the site. Pedestrian gate with security code. Signage displayed on Heras panels warning the risks within the site and	Site Manager/supervisor operatives.	2	2	4	Daily	Site Supervisor. Chargehand.

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						warning that children should not play on site.						
34	Exposure to Asbestos	Uncovering ACM's during demolition, excavations, and refurbishment. Airborne particles. Inhalation and ingestion through contamination.	3	3	9	Asbestos survey completed. Ground sampling (WAC testing) Asbestos awareness trained operatives. Any potential ACM's will be treated as ACM and reported to the site manager.	Site Manager/supervisor operatives.	2	3	6	Daily	Site Supervisor. Chargehand.
38	FOD- Foreign Object Debris.	Creating potential debris on site Waste/litter blown off site. Packaging from deliveries not disposed of correctly.	3	3	9	FOB and its potential hazard included in the induction. Signage displayed on the perimeter fence. Skips covered, litter picking. Packaging removed at source. TBT given on site explaining the hazards.	Site Manager/supervisor operatives.	2	3	6	Hourly	Site Supervisor. Chargehand.

