

GWP2 – Risk Assessment



Task / activity **Site Establishment and Early Works**
 Project Name **Gascoigne West Phase 2**

Location **Gascoigne Estate - Barking**
 Project Number **700389**

Evaluation of risk (refer to bottom of this template)

RISK	LIKELIHOOD		
	LOW	MEDIUM	HIGH
SEVERITY	It has not happened for a long time, is known to be infrequent and is not likely to happen.	It may be less regular, but is still recognised as being likely to happen.	It may happen regularly or it could be a usual or common occurrence.
LOW There would be minor injuries to persons or some slight damage to property. Environmental impact resulting in minimal environmental damage in both the short- and long-term.	LOW	LOW	MEDIUM
MEDIUM It would probably cause serious injuries, or persons would be off work for over three days due to their injuries / substantial property damage. Environmental impact resulting in damage contained within site boundaries but requiring prompt remedial action, e.g. fuel spillages.	LOW	MEDIUM	HIGH
HIGH The result could be a fatal accident or multiple injuries / major property damage. Significant environmental impact resulting in off-site damage or long term environmental issue, e.g. pollution of watercourse, contamination of land etc.	MEDIUM	HIGH	HIGH

What are the hazards?	Who might be harmed? Employees Contractors Public Others Environment	How	Initial risk (without controls)			What controls are required?	Residual risk			Action by
			Severity	Likelihood	Risk Rating		Severity	Likelihood	Risk Rating	
Pedestrians being struck by vehicles	Employees Contractors Public	Being struck / crushed	H	M	M	1) Turning eliminated/segregated turning areas provided. 2) Only trained Traffic Operative to bank vehicles/plant 3) Trained Traffic Operative defined by holding current CITB 'Take Control' vehicle management course or another specific vehicle banksman course 4) 'Signallers Safe Work Practice' ACOP for directing vehicle / plant movements to be utilised at all times. 5) Traffic Management Operative to ensure that the working area is clear of potential slip / trip hazards and leading edges prior to commencing manoeuvre. 6) Driver to be instructed in hand signals to be used prior to commencing manoeuvre. 7) Vehicles banked from defined marshalling	H	L	L	Wates

					points (where possible) clear of turning vehicle / plant. 8) Traffic Management Operative to maintain direct line-of-sight with driver. 9) Driver instructed to stop manoeuvre immediately if they lose sight of the Vehicle Banksman.					
Excessive number of vehicles on site	Employees Contractors Public	Road congestion/limiting emergency vehicle access	H	M	M	1) All deliveries to be booked in advance 2) Drivers informed and directed of site layout and location point.	H	L	L	Wates
Operatives being struck by vehicles	Employees Contractors	Being struck / crushed	H	M	M	1) Segregated foot path provided 2) Clear line of sight (visibility splay) provided where possible from gate / hoarding line to centre line and around vehicle.	H	L	L	Wates
Low light levels along roads during winter months	Employees Contractors Public	Collision of vehicles/fixed structures and pedestrians	H	M	M	1) Ensure vehicle ARB's and hazard lights are turned on.	H	L	L	Wates
Moving plant	Employees Contractors Public	Collision of mobile plant	H	M	M	Banks man to direct moving plant at all times Exclusion zone site around the works	H	L	L	Wates
Excavation	Employees Contractors Visitors	Sips trips and falls Collapse Service strike / penetration	M	M	M	High visible barriers are to be set up prior to work commencing to form a exclusion zone Excavated areas are to be marked out and CAT scanned prior to work commencing, if anything is detected it is to be marked up on the ground using line paint. and marked on to drawings then hand dug to expose services All excavators are to be guided in and out by banks man and other operatives are to stand away from the turning circle of the machines arm All spoil that has been excavated is to be a least 1m away from excavation edge If there are any signs that the trenches are collapsing Suring must be put in place and must be checked at the beginning of every shift	M	L	L	Wates

					Any spoil left is to be scrapped up and piled up on site					
Concrete Operations	Employees Contractors	Skin burns and internal burns	M	M	M	All appropriate PPE to be worn, if at any time concrete comes into contact with skin wash off immediately with warm soapy water. Eye wash is to be readily available.	M	L	L	Wates
Buried Services	Employees Contractors	Electrocution	H	M	M	CAT Scan area prior works commencing Permit to Dig must be obtained prior works commencing	M	L	L	Wates
Working @ Height	Employees Contractors Public Visitors	Falls from height	H	M	M	Barriers set up around all excavations Permit to work area Exclusion zone	H	L	L	Wates
Leptospirosis- Weil's disease	Employees Contractors	Ingestion of virus into cut	M	M	M	Wear gloves, cover cuts and abrasions with waterproof dressings. Wash hands before eating and drinking	M	L	L	Wates
Use of electrical hand tools	Employees Contractors	Electric shock, burns, electrocution	M	M	M	Only low voltage cordless electrical hand tools used All tools to be PAT tested as required and visually inspected prior use	M	L	L	Wates
Human behaviour	Employees Contractors Public	Poor safety behaviour leading to unsafe acts & and unsafe conditions	M	M	M	All operatives & management hold current CSCS cards Regular toolbox talks on work activities are undertaken and recorded There is a documented training file held to show all training provided. Operative will be expected to attend a site induction course.	M	L	L	Wates
Poor house keeping	Employees Contractors Public	Slips/trips & falls	M	M	M	Site supervisor to ensure that the work area and stored materials are kept in such a manner so as not to present trip or fall hazards. Any spilled liquids are to be cleaned up immediately Other materials such as plastic bags/sheeting are not to be left lying around in work or pedestrian areas Documented routine site safety checks to be completed	M	L	L	Wates

Manual handling	Employees Contractors	Muscular skeletal injuries	M	M	L	Maximum lift weight restricted to frame weight at 30KG Operatives trained in manual handling techniques Working gloves provided There will be plenty of space in the area to manoeuvre equipment & for material man handling	M	L	L	Wates
Noise	Employees Contractors Public	Hearing damage Public disturbance	M	M	M	Wear hearing protection where lower action level is exceeded, Enforce use at or above upper action level. Due to proximity of public, ensure that a noise sign is in place to inform passing pedestrians of noise levels. Set up exclusion zone to ensure that the general public aren't submitted to noises greater than 85dB Noise monitors in use within project boundary	M	L	L	Wates
Using compactors	Employees Contractors Public	Hearing damage White finger or muscular skeletal injuries	M	M	M	Ear defenders are to be worn when using whacker plate or rollers when compacting stone Machines are not to be used for long periods of time and shared with other operatives because of vibration from the machinery Vibration monitors in use within project boundary	M	L	L	Wates
Parking within wider Gascoigne Estate	Employees Contractors Public	Public disturbance	L	L	L	Site operatives notified during induction that is no parking on site or within the wider estate Random patrols to be conducted by Wates Management Notification to be given to local enforcement (Traffic Marshal) should the need arise	L	L	L	Wates
Lifting operations	Employees Contractors Public	Materials falling and striking operatives or members of the public	H	M	M	All lifting operations are to be planned, work areas must be restricted to others (exclusion zones), banksman to be in attendance throughout.	H	L	L	Wates

Over turning of plant	Employees Contractors Public		M	M	M	Vehicle must be on level ground & lift even load, out riggers must be used (where fitted) & forklift must operate within S.W.L. Care must be taken when working near slopes especially when lifting over a gradient. Do not lower material over gradient which will be lower than ground level forklift is based at. Forklift / plant must be suitable for the task at hand. Operative is to be trained and competent	M	L	L	Wates
Fire	Employees Contractors Public	Burns and property damage	H	M	M	Appropriate firefighting equipment to be located nearby the area. Flammable materials to be stored away from heat sources. All heat sources to be turned off when not in use. Fire escapes etc to be kept clear at all times. Fire plan for the building to be briefed out to al staff with copies of the plan diagram displayed in prominent locations. Smoking in designated areas only	H	L	L	Wates
Lone Working	Employees Contractors	Illness Accidents Assaults Other emergencies	M	L	L	Staff to sign in and out. Check calls to and from supervisor. Missed check call action plan Security to be informed of cleaners location and start and finish times. Works planned to limit the need to have lone working.	M	L	L	Wates
COSHH	Employees Contractors	Ingestion, inhalation and absorption	M	M	M	Copies of COSHH risk assessments and SDS's to be held on file in the work area, with the contents of these briefed out to staff regularly. Materials to be stored in original containers and as per manufacturers guidance. Materials to be used only as directed by the manufacturer. Materials to be disposed of as per manufacturers guidance. The supply of PPE and RPE as per the SDS's Register of all COSH Materials to be held. Appropriate fire fighting equipment to be on hand. Spill kits and absorbent	M	L	L	Wates

Mechanical equipment	Employees Contractors Public	Nips Cuts Entanglement	M	M	M	All equipment to have a regular maintenance regime in place. Equipment inspected prior to use. Faulty or damaged equipment to be removed from work area, segregated and labelled "Don't Not Use" until repaired. All guards and safety devices to be in place and operational. Only trained / competent staff to operate. PPE to be worn as appropriate. No loose clothing or long hair when operating rotating / moving equipment	M	L	L	Wates
Electrical Equipment	Employees Contractors Public	Electrocution Burns Fatalities Fires	H	M	M	All equipment to be maintained to a high standard. All equipment to be regularly PAT with a register in place. All guards and safety devices to be in place and operational. No wet works to be undertaken adjacent to power points or outlets. Faulty or damaged equipment to be removed from work area, segregated and labelled "Don't Not Use" until repaired	H	L	L	Wates

Assessor	Position	Signed	Date
Ben Cachia	Project Director	<i>Ben Cachia</i>	26.11.20

Review the risk assessment at regular intervals or when there is reason to believe that it is no longer valid.

Reviewed by	Review comments	Review dates

Evaluation the risk

1. Aim – reduce the risk to low if possible.
2. List the hazards associated with an activity → estimate (L, M, H) the potential severity of the hazard (*refer to definitions in 'severity' column*) then estimate (L, M, H) the likelihood of it occurring (*refer to definitions in 'Likelihood' row*) → do this before and after controls are identified.

3. Results:

- Combined risk = LOW: the activity does not require further management attention beyond the standard 'good practice' controls included in the Construction Health and Safety Plan (or Environmental Management Plan), site rules and relevant procedures / guidance.
- Combined risk = MEDIUM: the activity could be significant and management control is important. Manage through Method Statements and or other management plans or procedures specific to the project. Additional training or resources may be required.
- Combined risk = HIGH: deemed to be significant and senior management control is of a high priority. Consider design changes. Best Practice measures should be adopted. Manage through Method Statements and or other management plans or procedures / instructions specific to the activity plus specialist knowledge and planning. Note that higher risks may require more effort (and costs) to control.