

Young Bros

Morfa Bychan Outfall

RISK ASSESSMENT

(C) CONSEQUENCE (F) FREQUENCY (RR) RISK RATING

- | | | | |
|-------------------------|---------------|---------|-------------|
| 1. Negligible/No effect | 1. Negligible | 1 - 4 | Low |
| 2. Minor Injuries | 2. Unlikely | 5 - 8 | Medium |
| 3. Major Injuries | 3. Likely | 9 - 12 | High |
| 4. Fatalities | 4. Probable | 13 - 16 | Intolerable |

} WORK MUST
NOT START

HAZARD	CAUSE/RISK	EFFECT	Before Control			CONTROL	After Control			
			(C)	(F)	(RR)		(C)	(F)	(RR)	Risk
Collision with other vehicles, plant or equipment.	Injury to operatives or members of the public with vehicles whilst working on or adjacent to the public highway.	Serious injury and possible death.	4	3	12	Erect warning signs on the carriageway to inform road users of construction works and site access. A banksman will assist delivery vehicles if reversing is required. All site operatives to wear high visibility waistcoats.	4	2	8	M E D I U M
Lifting Operations	Uncontrolled lifting of load causing failure of lifting appliances or equipment.	Dropping/lifting load in a unsafe manner, uncontrolled slewing causing collision with plant or operatives.	4	3	12	All lifting equipment to have current test or inspection certificates. Test and inspection certificates to be maintained on site. Trained slinger/signaller to assist with lifting operations. Jordan Jones is an appointed lifting person.	4	2	8	M E D I U M
Working on a construction site	Moving and lifting of plant and equipment.	Being struck by moving plant, equipment and lorries. Tripping and falling over equipment left laying around. Falling into open excavations.	4	3	12	Isolate pedestrian areas from vehicle / plant movement areas using pedestrian barriers. Erect signs, barriers and edge protection to all open excavations. Protect openings, adopt good house keeping methods. Ensure all personnel have received induction training. Wear PPE at all times, this must include as a minimum: Helmet, Safety Boots, Gloves and Hi Vis Vest / Jacket.	4	2	8	M E D I U M
General public.	General public (usually children) gaining access to the site causing injury to themselves.	Possible injury or even death due to falling, tripping and other accidents, mainly due to the ignorance of the dangers of working on a construction site.	4	4	16	All open excavations to be made safe at the end of each working shift, using temporary fencing. Provide signs to highlight the dangers present. Remove keys from all plant and equipment. Erect temporary fencing to completely bound open excavations.	4	2	8	M E D I U M

Falling and tripping	Falls into open excavations due to lack of edge protection and poor house keeping.	Serious injury	3	3	9	Temporary fencing with warning signs to isolate any open excavations. A handrail will be fixed to the shoring equipment to prevent personnel falling into open excavations. Backfill open excavations when ever possible to mitigate the possibility of falling.	3	2	6	M E D I U M
Manual handling	Repetitive, heavy or poor handling techniques	Back or muscular strain	2	4	8	Only operatives trained in manual handling to carry out activities. Individual capabilities should be assessed by Supervisors on site. Mechanical plant will be available on site to carry out lifting operations. Weight to be assessed, assistance to be provided for lifts over 25kg. Supervisors to monitor manual handling techniques and ensure physical and mechanical lifts are not exceeded. Refer to the YBL employee handbook.	2	3	6	M E D I U M
Noise	Use of plant and equipment, piling operations	Permanent damage to hearing of operatives and supervisors. Inconvenience to members of the public.	2	4	8	Operatives to receive Toolbox Talk Re: Noise. Carry out noise assessments and record. Noise may exceed first level action level. Ear protection zone to be designated in the area of 10 metres directly surrounding piling operations. Hearing protection (to BS EN 352 Pt3) must be maintained in good order. Carry out regular inspections of ear protection, any defects to be reported.	2	3	6	M E D I U M
Vibration	Use of hand tools and equipment. Working on concrete pours	Hand and arm vibration syndrome (HAVS), vibration white finger.	2	4	8	See vibration action chart for exposure levels. When using vibration type tools, remember to change at regular intervals to reduce exposure.	2	3	6	M E D I U M
Use of chemicals or hazardous substances (COSHH)	Serious burns, injuries or death.	Damage to eyes, skin or internal organs.	3	3	9	COSHH assessments to be maintained in the site office. Ensure the COSHH assessments are read and understood prior to use. Personal protective equipment will be available on site for use as required.	3	2	6	M E D I U M
Small Tools	Electrocution of operator due to faulty or incorrect type equipment. Injury from flying debris. Damage to hearing	Electrocution causing injury of possible death. Damage to eyes. Prolonged use may cause Vibration White Finger. Small tools may exceed first or second action level db(a)	4	3	12	Ensure all necessary guards are in place. Small tools to be P.A.T tested prior to use. 110v or battery operated tools only. Portable power leads to be in good condition. PPE will be available on site for the safe use of all small tools & equipment. All operatives using abbrasive wheels to have abbrasive wheel training.	4	1	4	L O W

Use of plant, tools and equipment on sites. Use of materials	Use of Personnel Protective Equipment (PPE)	Damage to eyes, hearing, head, hands and feet. Respiratory problems etc	3	3	9	PPE equipment will be maintained on site for use as identified. PPE must comply with the following standards:- Goggles to BS EN 16611995 Hearing Muffs to BS EN 352 Pt 3 Dust Masks to FFP25 Gloves Impervious PVC to EN 428 Gloves Polyimide Palm Coated to EN 420 Head Protection to BS EN 397 JSP/Extension for Protection to BS EN 345	3	1	3	L O W
Environmental, Pollution during trial hole works.	Pollution of beach	Damage to the environment including killing fish and plants.	3	3	9	All diesel bowzers to be twin walled. Refuel plant in designated areas away from beach or surface water drains. Emergency spill kits and granules to be maintained on site. Provide drip trays for pumps and generators. Obtain a permit to pump prior to any pumping operations commencing.	3	1	3	L O W

Person completing assessment : Paul Morgan

Date : 02.08.23