

Our ref: B0575 rev C				Risk Assessment Record Prepared by Ian Rothen			
Contract: Nestle Factory Site				Operations:- Dredge canal and Install piling			
Date of Assessment 1/11/23				Equipment:- 8t excavator with vibro hammer, breaker and clamshell			
Probability x Severity 1-- 4 1--5 = Level out of 20							
Hazard	Assessment		Action	New assessment			
EXAMPLE	P	S	L				
Movements of vehicles on and off site	2	5	10	Client to be advised of dates vehicles will be on site ahead of arrival. All off road movements to be monitored by a banksman Designated drivers only to drive vehicles on or off site Vehicles to be limited to approved parking areas only			
Welfare	2	3	6	Welfare will be provided by client. Ensure hands are washed as directed before & after eating.			
Personnel protection of operatives	2	5	10	Mandatory personal protection equipment of safety boots, hi-viz top or jacket, hi-viz trousers, hard hat & lifejacket should be worn at all times by all operatives. Overalls, rubber gloves, ear defenders, safety glasses and dust mask should be worn as required. A mobile telephone will be carried by all staff at all times.			
Waterborne diseases	2	5	10	There are water related risks from Leptospirosis (Weil's Disease), & Tetanus. All staff will have up to date tetanus vaccinations. All hands and areas of body that have come into contact with water to be washed with soap and clean water before eating, toileting etc. Ensure gloves worn where possible.			
Operator errors caused by poor visibility.	2	3	6	In cases where the driver's visibility is restricted, competent banksmen must be placed in full view to direct operations, if required two way radios (or similar) should be used to maintain effective two way communication.			
Danger of electric shock	2	4	8	All power tools to be 110v			
Controlling the risk of falling into the canal.	2	5	10	All staff to wear gripped protective boots, any boots found to have excessive wear to be replaced.			
Anti-Social behaviour.	3	4	2	All staff will carry mobile telephones and if necessary call their supervisor and or the Police.			

Pollution	3	5	15	COSHH sheets to be consulted before fuelling takes place. Only suitable drums to be used to transport fuel. A funnel and spill kit must be used when re-fuelling and care must be taken not to spill fuel into the waterway. A plant nappy will be in place. If there is a pollution of the waterway contact the CRT emergency contact 0800 47 999 47. All COSHH items to be stored at least 10 m from canal or on nappy. All staff are trained in spills and pollution control and will report to the SHEQ at TRG (the Pollution contractor).	1	5	5
Dangers to other boaters	2	5	10	Signs will be put out before work commences, warning boaters of the works ahead.	1	5	5
Manual Lifting	2	3	6	All staff have been instructed in manual lifting. When an object looks too heavy for one person, several members of staff should help in the lifting of the object.	1	2	3
Use of vibrating attachments	2	3	6	All staff using vibrating attachments to adhere to HAVS rules. Ensure regular breaks are taken when using tools. It is not anticipated that HAVS will be applicable as no personnel will come into direct contact with vibrating tools/accessories.	1	3	3
Damage to equipment	3	3	9	Ensure machines and equipment's capabilities are not exceeded - only trained personnel will operate plant. SWL displayed on digger. Duty charts and SWL in place on digger. In the event of contact with overhead obstacles/trees etc the digger and attachment will be inspected prior to re-use and recorded on the attachment register	1	3	3
Services	3	4	12	CAT scanner to be used prior to works commencing and during works to locate and clearly mark out services. Utility drawings provided.	1	4	4
Underground services	3	4	12	Underground services to be scanned for ahead of works commencing. Depending upon exact location of cable, matting/boards may be required to spread the load of the machine. Hand digging only around services with insulated tools (if required).	1	4	4
Piling hammers/Noise, vibration and flying debris	2	4	8	Vibrating piling hammers will be used, see above risk. General piling requirements of 35db reducing ear defenders will be worn.	1	5	5
Safety of staff engaged on works	2	4	8	Care should be taken at the canal edge due to unprotected edges, All staff to wear gripped protective boots, any boots found to have excessive wear to be replaced. Care should be taken on the waterway in general due to the possible hazards created by other waterway users, such as boaters, walkers or cyclists, all staff on the towpath to wear high visibility clothing.	1	3	6

Dangers to other boaters	2	5	10	Signs will be put out before work commences, warning boaters of the works ahead.	1	5	5
The possibility of the digger capsizing.	3	5	15	Before making any digger movements ensure that the blade is down. When working the excavator, monitor the safe load indicator at all times to ensure that an unsafe load is not lifted. Only trained, experienced operatives to use plant. Adhere to 45degree rule at all times.	2	5	10
Possible collapse of the canal bank	3	4	2	Do not dredge the canal deeper than specified, to avoid the banks collapsing or to break through the puddling clay bed seal.	1	4	4
Loss of Load	3	4	12	All lifting equipment to be adequate for the load with up-to-date test certificates. Trained, competent slinger to visibly inspect before use and after each change of attachment and record on quick hitch/attachment register. Weekly LOLER checks carried out and recorded on LOLER inspection pro-forma. All slingers and banksman to be trained certified and competent. All areas affected by the operation will be cordoned off to prevent unauthorised personnel from entering. All lifting equipment to display a valid colour code, certification maintained in site files. 6-monthly thorough examination certificates provided for the excavator In the event of defects being identified the equipment is to be quarantined immediately and returned to the supplier for repair. Adhere to lift plan.	1	4	4
Plant operations.	3	5	15	Only trained, experienced operatives to use plant. Banksman to be employed. Any operative should get a thumbs up from the excavator operator before passing into the danger zone of the digger.	2	5	10
Contaminated waste	3	5	15	Contaminated waste will be disposed of offsite in accordance with waste regulations.	1	5	5
Contaminated silt	3	5	15	All personnel are to wash hands and any body parts that have come into contact with water before leaving site or eating or drinking. All kit to be washed at the end of the contract.	1	5	5
Adverse weather conditions	3	4	12	Wear appropriate clothing for weather. Suitable footwear if icy conditions. Monitor weather for laying brickwork.	1	4	4
Wildlife	3	4	12	The works are being undertaken between November and end of March. There is no suitable vegetation for nesting birds and the time of year reduces the impacts on nesting birds. Dredging works will be undertaken between November and end of March which will reduce the impact on fish to minimum. Visual monitoring of the fish	1	4	4

				health will be carried out throughout the works.			
Total			256	Total			122
Checked by				Authorised by			
K Olyphant SHEQ Executive & NEBOSH				I Rothen Director			

By signing below, you are confirming that you have read, understood and will follow the above risk assessment.