

Risk Assessment

Risk Assessment Details

Risk Assessment Number	103
Risk Assessment Date	04/11/2021
Risk Assessment Author	Jenny Hormell
Project/Contract	Hough End Leisure Centre, Manchester
Start Date	03.12.2021
Expected job duration	9-10 weeks
Client contact	David Stone
Description	Installation of 20 No. Geoloops and Associated Pipework 480 Princess Road Manchester M20 1HD
Site Address	

Signatures

	Name	Title	Signature	Date
Document Author	Jenny Hormell	Manager		04/11/2021

Data Protection Statement

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It is the duty of all employees to observe the following Risk Assessment framed to provide a code of good practice and conduct with the object of preventing accidents. At all times employees must work in a safe manner both to prevent personal injury to themselves or to other personnel.

Risk Assessment Notes

Person Affected

James Stuart
Darrell Witts
Mark Crew

Main Contractor

Enercret Ltd. (UK)
Hexagon House
21-23 Gatley Road
Cheadle
SK8 1NZ

Hazards and Control Procedures :

Pre-Control			Hazard: Coronavirus Covid-19 Close Working	Residual Risk		
P	S	RR	Serious ill health/death	P	S	RR
4	5	20	Control Procedures	2	5	10
			Sites and work will be planned and organised to avoid crowding and minimise the risk of spread of infection by following PHE and HSE guidance and the advice within Construction Leadership Councils Site Operating Procedures.			
			The company will remind the workforce of the specific control measures necessary to protect them, their colleagues & families.			
			Workers who are unwell with symptoms of Coronavirus (Covid-19) should not travel to or attend the workplace.			
			Avoid skin to skin and face to face contact.			
			Where possible, mechanical aids are to be used to reduce worker interface.			

Pre-Control			Hazard: Coronavirus Covid-19 First Aid and Emergency Service Response	Residual Risk		
P	S	RR	Serious ill health/death	P	S	RR
4	5	20	Control Procedures	2	5	10
			When planning site activities, the provision of adequate first aid resources must be agreed between the relevant parties on site.			
			Emergency plans including contact details will be kept up to date.			

Pre-Control			Hazard: Coronavirus Covid-19 Isolation & Ill coworkers	Residual Risk		
P	S	RR	Serious ill health/death	P	S	RR
4	5	20	Control Procedures	2	5	10
			If a worker develops a high temperature or a persistent cough while at work or has a recent loss of, or change, in normal sense of taste or smell (anosmia), they should return home immediately and avoid touching anything. Any coughing or sneezing should be done into a tissue and put it in a bin, or if they do not have tissues, cough and sneeze into the crook of their elbow. They must then follow the guidance on self-isolation and not return to work until their period of self-isolation has been completed.			
			Anyone who has a high temperature or a new persistent cough or has a recent loss of, or change in, your normal sense of taste or smell (anosmia) should NOT come to site & follow the guidance on self-isolation. Anyone who is a vulnerable person (by virtue of their age, underlying health condition, clinical condition or are pregnant) should NOT come to site & follow the guidance on self-isolation. Anyone who is living with someone in self-isolation or a vulnerable person should NOT come to site & follow the guidance on self-isolation.			
			If a member of staff has helped someone who was taken unwell with a new, continuous cough or a high temperature or has a recent loss of, or change in, normal sense of taste or smell (anosmia), they do not need to go home unless they develop symptoms themselves.			

Pre-Control			Hazard: Coronavirus Covid-19 Personal Hygiene	Residual Risk		
P	S	RR	Serious ill health/death	P	S	RR
4	5	20	Control Procedures	2	5	10
			Individuals must not touch eyes, mouth or nose with unwashed hands, particularly after coughing or sneezing. Hands should be washed with adequate soap or sanitiser immediately.			
			Hand Hygiene procedures should be in place and communicated to all employees. focus around coughing and sneezing into tissues which are disposed of in closed lid bins.			
			The company will allow regular breaks to wash hands.			
			The company will Provide hand sanitiser (minimum 60% alcohol based) where hand washing facilities are unavailable.			
			The company will ensure adequate supplies of soap and fresh water are readily available and kept topped up at all times.			
			Where PPE is not required, the company will permit employees to voluntarily wear their own face masks to give a level of reassurance to the wearer. These must however be subject to strict cleaning or disposal regimes.			

Pre-Control			Hazard: Coronavirus Covid-19 Site Movement	Residual Risk		
P	S	RR	Serious ill health/death	P	S	RR
4	5	20	Control Procedures	2	5	10
			Site movement will be reduced by discouraging non-essential trips within buildings and sites.			
			The number of people in attendance at site inductions will be reduced and induction will be considered to be held outdoors wherever possible with social distancing.			

Pre-Control			Hazard: Coronavirus Covid-19 Surface Contamination & Cleaning	Residual Risk		
P	S	RR	Serious ill health/death	P	S	RR
4	5	20	Control Procedures	2	5	10
			Work areas and equipment will be frequently cleaned between uses, using your usual cleaning products.			

Pre-Control			Hazard: Coronavirus Covid-19 Travelling To & Driving At Work	Residual Risk		
P	S	RR	Serious ill health/death	P	S	RR
4	5	20	Control Procedures	2	5	10
			The company will put consideration into how someone taken ill would get home.			
			If workers have no option but to share transport, the journeys should be shared with the same individuals and with the minimum number of people at any one time.			
			If workers have no option but to share transport, Good ventilation should be used (i.e. keeping the windows open) and facing away from each other may help to reduce the risk of transmission.			

Pre-Control			Hazard: Coronavirus Covid-19 Welfare	Residual Risk		
P	S	RR	Serious ill health/death	P	S	RR
4	5	20	Control Procedures	2	5	10
			Wash hands before and after using the toilet facilities.			
			Provide suitable and sufficient rubbish bins for hand towels with regular removal and disposal.			

Pre-Control			Hazard: Manual Handling	Residual Risk		
P	S	RR	Muscular skeletal disorders - Twisting, Over-reaching, muscular problems, poor techniques load too heavy	P	S	RR
4	3	12	Control Procedures	2	3	6
			Ensure that the route to be taken while lifting is clear of any obstructions.			
			Team lifting to be used when loads are heavy or awkward.			
			Staff will not lift beyond their capabilities, and will seek help for any load they consider too heavy or hazardous to lift.			
			All site staff have received instruction and training in house for manual handling.			

Pre-Control			Hazard: Compressed air	Residual Risk		
P	S	RR	Pencture wounds, eye damage, inhalation, death.	P	S	RR
4	2	8	Control Procedures	2	2	4
			The compressor is included in a regular maintenance program and is serviced twice a year.			
			Compressed air supply to be isolated at manual valve and system vented to de-energise prior to locking off.			
			Check that the compressed air line is in undamaged condition and that fittings are leak free when pressurised. Report any leaks immediately.			

Pre-Control			Hazard: Slips Trips and Falls	Residual Risk		
P	S	RR	Bruising, Cuts, Broken Limbs - Caused by items left on the floor, water, oil and other slippery surface or poor footwear	P	S	RR
4	2	8	Control Procedures	2	2	4
			Ensure that any spillages are cleaned up using spill kit.			
			The area of work will be kept clean and tidy, cables will be managed so as not to cause a trip hazard.			
			All staff will keep the working area tidy and remove trip hazards as and when they occur.			
			All staff will wear suitable footwear with non slip soles at all times.			
			Ensure walkways and Emergency Escape routes are kept clear of obstruction at all times.			

Pre-Control			Hazard: Loading / Unloading deliveries	Residual Risk		
P	S	RR	Serious Injury, Crushing, Death	P	S	RR
4	2	8	Control Procedures	2	2	4
			Mechanical lifting aids will be used by competent operatives.			

Pre-Control			Hazard: Refuelling	Residual Risk		
P	S	RR	Fire Explosion	P	S	RR
4	4	16	Control Procedures	1	4	4
			Ensure when refuelling vehicles or plant that the machine engine is not running.			
			Ensure all fuel tanks and containers are stored correctly, inspected regularly and checked for defects.			
			Spill kits to be provided in the designated area of refuelling.			
			Where possible refueling should be done on hard and impermeable surfaces.			
			Refuelling area must be designated NO SMOKING ZONE. All fuels must be stored securely in well ventilated area.			

Pre-Control			Hazard: Vibration from cutting / grinding / drilling tools	Residual Risk		
P	S	RR	Muscular, Circulatory damage, Material damage.	P	S	RR
4	2	8	Control Procedures	2	2	4
			Issue anti-vibration gloves prior to start of operation.			
			Minimise the time workers are exposed to vibration by job rotation, i.e. workers will be given rest periods or other tasks to perform.			

Pre-Control			Hazard: Inhalation of hazardous dust, fumes, mists or vapours	Residual Risk		
P	S	RR	Ill-health	P	S	RR
4	2	8	Control Procedures	2	2	4
			Operatives subject to exposure must wear good fitting dust mask BS EN 149 FFP2.			

Pre-Control			Hazard: Portland Cement	Residual Risk		
P	S	RR	Dermatitis, Severe chemical burns	P	S	RR
4	2	8	Control Procedures	2	2	4
			All persons exposed to Portland cement must have sufficient protection from the caustic effects of cement. Staff will wear impervious gloves overalls and wellington boots.			
			Eye protection must be used during mixing, working and laying of Portland cement and its products.			
			Eye protection should be worn when mixing cement to form mortar or concrete. Hands and skin should be protected to prevent burns from mix contact. .			
			Personnel should practice good personal hygiene by washing hands with soap and water, drying and use barrier cream. Regularly examine for potential dermatitis condition.			
			Wear wellington boots when mixing or laying cement based products. If material gets into the boots, remove and wash the affected area immediately.			

Pre-Control			Hazard: Lifting Equipment	Residual Risk		
P	S	RR	Serious injury, trapping, death.	P	S	RR
4	4	16	Control Procedures	1	4	4
			When using portable lifting equipment e.g. Chain Blocks, care must be taken to ensure any support used is capable of taking the weight of the equipment plus the weight of the load with a degree of safety. If in doubt, ASK.			

Pre-Control			Hazard: Power Tools	Residual Risk		
P	S	RR	Cutting stabbing Penetrating wounds, Entanglement with tool bits, Lacerations, eye damage. Lack of maintenance and use of defective tools are common causes of injuries. Improper use of equipment poor training may cause injuries to operators and others.	P	S	RR
4	2	8	Control Procedures	2	2	4
			Only trained and experienced operatives are allowed to use Power tools, inexperienced or young workers are kept under strict supervision whilst using power tools.			
			Battery operated tools will be used wherever practical.			
			A visual inspection must be carried out prior to use, any defects must be reported and the equipment withdrawn from service for repair or replacement.			

Pre-Control			Hazard: Welding equipment	Residual Risk		
P	S	RR	Fire, burns, electric shock,fume, gas leaks, asphyxia.	P	S	RR
4	2	8	Control Procedures	2	2	4
			Operative must be deemed competent to use specific equipment.			

Pre-Control			Hazard: Leptospirosis (Weils Disease)	Residual Risk		
P	S	RR	Flu like illness, fever, severe headache, pains in the back and calf, Jaundice	P	S	RR
4	4	16	Control Procedures	1	4	4
			Staff will be given information on Leptospirosis and instructed to minimise contact with dirty water.			
			Good hygiene procedures will be followed to prevent transmission from hands to mouth etc.			
			All guests will be provided with information regarding the potential for Leptospirosis infection and the need for good hygiene practise following water activities.			
			Leptospirosis can be contracted from contact with water contaminated by rats urine, and in some cases cattle urine. Where contact is possible wear gloves and cover any cuts or broken skin.			

Pre-Control				Hazard: Stihl Saw				Residual Risk		
P	S	RR		Serious injury, damage to eyes and hearing				P	S	RR
4	3	12		Control Procedures				1	3	3
				Check Guarding, controls and cutter disc prior to use. Any faults to be rectified before use, or equipment removed from service for repair as necessary.						
				Safety goggles to be worn to protect eyes from flying debris during cutting operations.						
				Hearing protection must be used when operating this equipment.						
				Ensure that the correct blade is being used for the material being cut and that the speed rating of the blade exceeds the spindle speed of the machine.						

Pre-Control				Hazard: Noise				Residual Risk		
P	S	RR		Hearing damage				P	S	RR
4	2	8		Control Procedures				1	2	2
				Staff must wear suitable hearing protection in compliance with risk assessment when carrying out noisy works or when exposed to high noise levels.						
				Always use hearing protection when using power tools.						

Pre-Control				Hazard: Working on external sites				Residual Risk		
P	S	RR		Death or Serious injury				P	S	RR
4	2	8		Control Procedures				1	2	2
				Hand tools and power tools will not be left unattended.						
				The site will be made safe at the end of each shift.						
				Staff will be inducted onto site and follow all site safety rules.						
				Staff will place barriers around the work area to prevent access by unauthorised personnel.						

Pre-Control				Hazard: Inclement Weather				Residual Risk		
P	S	RR		Illness, increased risk of slips, trips or falls, especially when working at height.				P	S	RR
4	1	4		Control Procedures				1	1	1
				The Team Leader will be responsible for suspending work if weather conditions make the task unsafe.						

Pre-Control				Hazard: Building and Site Security				Residual Risk		
P	S	RR		Slips ,Trips, Violence, Arson				P	S	RR
4	1	4		Control Procedures				1	1	1
				Site to be secured to prevent un-authorised access.						
				The site will be made secure at the end of each shift.						
				All staff will keep the working area tidy and remove trip hazards as and when they occur.						

Pre-Control				Hazard: Toilet and hand washing facilities				Residual Risk		
P	S	RR		Minor Injury				P	S	RR
4	1	4		Control Procedures				1	1	1
				Facilities to be available on site van as minimum provision.						

Probability (P)	Severity (S)	Risk Ranking (RR = P * S)
1 Highly Unlikely	1 Trivial	< 1 - No Action Required
2 Unlikely	2 Minor injury	> 2 - Low Priority
3 Possible	3 Over 3 Day injury	> 8 - Medium Priority
4 Probable	4 Major injury or condition	>10 - High Priority
5 Certain	5 Incapacity or Death	>15 - Urgent Action Required

Required PPE



Standard Hard Hat



Ear Protection



Dust Mask



Gloves



Hi Visibility Vest



Mobile / Radio



First Aid Kit



FFP3 Mask



Safety footwear



Eye protection



Overalls



Gloves



Hand Sanitiser



Anti-bacterial Wipes



Barrier Cream

I have read and understood the contents of this Risk Assessment.

Anything I did not understand has been explained to me to my satisfaction.

I agree to follow the Risk Assessment and understand that any control procedures are provided for my safety and the safety of others.

Print Name

Signed

Date[illegible]