



Risk Assessment

1.0 Risk Assessment Details

1.1 Risk Assessment Number	0000000005
1.2 Risk Assessment Date	02/10/2020
1.3 Risk Assessment Author	Terence Cooper
1.4 Project/Contract	
1.5 Start Date	10/10/2020
1.6 Expected Job Duration	3 weeks
1.7 Client Contact	
1.8 Description	Plumbing (Example) land adjacent to 22 gnoll road goderergraig swansea sa9 2pa
1.9 Site Address	

2.0 Signatures

	Name	Title	Signature	Date
Document Author	Terence Cooper	Director	<i>terrycooper</i>	02/10/2020

Data Protection Statement

The information and data provided in this Risk Assessment applies only to the task, project or contract for which it was written. It shall not be duplicated, disclosed or disseminated by the recipient to any third party other than for the purpose of managing and controlling health and safety in relation to this task, project or contract.

It is the duty of all employees, contractors and agents to observe the provisions of this Risk Assessment, which has been produced in order to provide a code of good practice and conduct with the object of preventing accidents. At all times employees, contractor and agents must work in a safe manner both to prevent personal injury to themselves or to other personnel.

This Risk Assessment may contain personal data relating to one or more persons. Such data must not be disclosed to any third party or used for any purpose other than compliance with this Risk Assessment except with the written consent of the Company or the individual concerned.

3.0 Risk Assessment Notes

8am to 5pm

Groups Affected

O & T Developments Employees

Main Contractor

o and t developments

5.0 Hazards and Control Procedures :

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	4	16	Control Procedures	2	4	8
			Wear shoes or boots with non-slip soles for work on the outside, in particular in wet or snowy weather.			
			Ensure that high powered torches are used when walking around site in the dark.			
			All staff will keep the working area tidy and remove trip hazards as and when they occur.			
			Staff will ensure that good standards of housekeeping are maintained at all times, cables and other equipment will be managed so as not to cause a trip hazard.			
			Ensure walkways and Emergency Escape routes are kept clear of obstruction at all times.			

Pre-Control			Hazard: High Levels of Dust	Residual Risk		
P	S	RR	Respiratory irritation, Lung damage, Eye damage, Fire, Explosion.	P	S	RR
4	4	16	Control Procedures	2	4	8
			Appropriate dust masks to BSEN149 FFP3 must be worn until the nature and extent of the dust is determined.			
			Ensure the area is well ventilated prior to starting work.			

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	4	16	Control Procedures	2	4	8
			All power tools and machinery must comply with the Provision and Use of Work Equipment Regulations 1998.			
			All power tools and machinery must be regularly inspected and maintained in good condition.			
			Only trained and experienced operatives are allowed to use Power tools, inexperienced or young workers are kept under strict supervision whilst using power tools.			
			Tools and cables are visually inspected before use, damaged tools are withdrawn from service until repaired.			
			Company power tools are PAT tested on an annual basis.			

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
			Assess the best way to lift, with the maximum weight nearest the body.			
			Ensure that the route to be taken while lifting is clear of any obstructions.			
			All staff have been trained in correct lifting methods.			
			Team lifting to be used when loads are heavy or awkward.			
			The site foreman shall be responsible for identifying and controlling manual handling issues on site.			

Pre-Control			Hazard: Working on external sites	Residual Risk		
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P	S	RR	Death or Serious injury	P	S	RR
4	3	12	Control Procedures It is vitally important that potentially hazardous areas are signposted, barricaded and, where appropriate, covered to avoid possible injury to workers and members of the public.	2	3	6
			Anyone who may be affected by the works to be informed of site work, especially tenants and other contractors. Site to be secured to prevent un-authorised access. Foreman is to ensure no access onto site without a permit, or permission. Staff will cordon off the work area and will ensure tenants do not enter any area of danger. Hand tools and power tools will not be left unattended. The site will be made safe at the end of each shift. Staff will follow the method statement devised for this task. Construction staff are experienced in construction site work and are aware of the dangers associated with this type of work. We have a rolling program of training and sub-contractors are carefully selected for competence. Construction staff will be inducted onto site and follow all principle contractor safety rules. Young workers and apprentices will be supervised at all times and have a specified supervisor.			

Pre-Control			Hazard: Hand Tools (Use)	Residual Risk		
P	S	RR	Bruising, Cuts, Eye damage - Improper use of hand tools and use of defective hand tools are common causes of minor injuries. Serious injuries may be caused particularly through failure of the tool e.g. mushrooming of chisel heads	P	S	RR
3	3	9	Control Procedures Ensure all tools to be used are in good condition i.e. no loose or damaged parts.	2	3	6
			All hand tools should be in good condition and must be inspected prior to use. Operatives must be deemed competent to use relevant hand tools. Sharp knives must have blades retracted or sheathed when not in use.			

Pre-Control			Hazard: Step Ladders	Residual Risk		
P	S	RR	Death, Major Injury Fall from height, contact with other equipment, falling objects.	P	S	RR
4	5	20	Control Procedures O & T Delevopments step ladders are inspected before every use and defects reported, damaged ladders are removed from site and replaced.	1	5	5
			Step Ladders are used for work of short and light duration. Do not use the top two steps of a stepladder unless a suitable handrail is available on the stepladder.			

Pre-Control			Hazard: Driving Company Vehicles	Residual Risk		
P	S	RR	RTA, injury, injury to others	P	S	RR
4	5	20	Control Procedures The Company will hold a copy of each drivers license on file renewed annually.	1	5	5
			Drivers are not allowed to work whilst under the influence of alcohol or drugs and face severe disciplinary measures for breaches. Staff will adhere to speed limits at all times.			

All vehicles used for company business are maintained and serviced on a regular basis.
Drivers will carry out vehicle checks prior to starting work including tyres pressures and damage, oil and water levels, headlights side lights and indicators, windscreen washers etc.

Pre-Control			Hazard: Working With Gas	Residual Risk		
P	S	RR	Fire, Explosion, Burns	P	S	RR
4	5	20	Control Procedures	1	5	5
			Gas fitters and Plumbers must be Gas Safe registered.			
			All gas appliances must be subject to an annual maintenance programme.			
			All work must follow the DSO Code of Practice.			
			Fire fighting equipment must be available on site prior to work on gas installations commencing.			
			All fire fighting equipment must be properly maintained.			

Pre-Control			Hazard: Hot Work	Residual Risk		
P	S	RR	Burns, Explosion, Material damage.	P	S	RR
4	4	16	Control Procedures	1	4	4
			Ensure that all gas cylinders are safely secured in an upright position and fitted with flashback arrestors.			
			Ensure you know where the nearest telephone is and that you are familiar with Fire emergency procedures.			
			The area must be personally examined upon completion of work and 30 minutes after completion.			
			A Hot Work permit is required by all contractors doing hot work and all personnel in the following areas: Paint machines, Spray areas, Aluminium spray paint and filter, on or near hydraulic or gas systems, enclosed spaces, working at height.			
			Work must not be carried out on, or adjacent to, drums, vessels/pipes previously containing flammable liquids or gases and/or pressurised. These will require isolation, emptying, purging and approving by competent person prior to issue of a Hot Work Permit.			
			All air ducts and flues must be cleaned to remove dust contamination before commencing hot work.			
			Floors/surrounding areas must be clear of combustible materials.			
			Combustible material, vulnerable equipment, service trenches, ducts and electrical cables must be protected or removed prior to commencing hot works..			
			Suitable fire extinguishers must be available on the job during hot works.			
			The following additional precautions may be necessary depending on the work: Warning notices posted adjacent to and below the work, Work area to be sanded over or wet down, Fire Watcher to be posted through hot work operation.			
			Where Hot Work Permits are required or in force it is the duty of the designated foreman to establish that all requirements have been met before work commences, during and on completion of work.			
			Heat pads must be used to protect combustible surfaces and contain heat spread when soldering.			
			Operatives are trained and deemed competent to carry out hot works procedures.			
			Fire retardant overalls to be worn when burning, grinding or welding. Will also protect body from UV Rays.			
			Fire retardant PPE to be worn. Gauntlets, spats, apron.			
			All Hot works zones must be checked for fire potential 60 minutes after completion of hot work.			
			Hot Work is NOT ALLOWED on this project.			

Hot Work is NOT ALLOWED on this site.

Pre-Control			Hazard: Fire on Site	Residual Risk		
P	S	RR	Accidental fires may cause Burns, Asphyxiation, Blast injuries, Respiratory damage may be caused through toxic smoke.	P	S	RR
4	4	16	Control Procedures	1	4	4
			Ensure all staff are aware of site fire plan.			
			No Smoking Allowed other than in designated areas.			

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	2	8	Control Procedures	2	2	4
			The designated foreman is responsible for suspending work if weather conditions make the task unsafe.			

Pre-Control			Hazard: Site Waste Management/Cleanliness	Residual Risk		
P	S	RR		P	S	RR
4	2	8	Control Procedures	2	2	4
			Speak to clients/tenants to ask them to remove any valuables or ornaments from the work area.			
			All rubbish and waste will be segregated into the appropriate waste streams and placed in the relevant skips or bins provided.			

Pre-Control			Hazard: Solder Fumes	Residual Risk		
P	S	RR	Lung damage, illness	P	S	RR
4	4	16	Control Procedures	1	4	4
			When inhaled, rosin-based solder flux fume can lead to occupational asthma or make existing asthmatic conditions worse. The fume can also cause irritation to the eyes and upper respiratory tract.			
			As exposure to rosin-based solder flux fumes may be hazardous to health, their use is subject to the Control of Substances Hazardous to Health Regulations (COSHH). A suitable assessment of the risks to health must be carried out.			
			Where reasonably practicable, exposure should be prevented, or failing that, adequately controlled.			
			All staff will follow instructions on safe working practices, including the correct use and adjustment of control measures such as local extraction ventilation.			
			When required, all staff will wear protective equipment such as respirators. Suitable gloves, protective clothing and eye protection may also be appropriate for certain work where splashing of fluxes etc can occur.			

Pre-Control			Hazard: Lone Working	Residual Risk		
P	S	RR	Dangerous situations	P	S	RR
4	2	8	Control Procedures	2	2	4
			Periodic telephone contact with lone workers necessary.			

Pre-Control			Hazard: Legionella	Residual Risk		
P	S	RR	Can cause death or serious ill health to PCO	P	S	RR
4	1	4	Control Procedures	1	1	1
			Ensure that the release of water spray is properly controlled.			
			Treat water to either control the growth of legionella (and other microorganisms) or limit their ability to grow and measure any control measures applied.			

Refer to the written legionella control scheme before working on the system.

The bacteria multiply where temperatures are between 20-45°C and nutrients are available. The bacteria are dormant below 20°C and do not survive above 60°C. Keep temperatures within these parameters where possible.

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

6.0 Required PPE



Standard Hard Hat



Ear Protection



Dust Mask



Hi Visibility Vest



Knee Pads



FFP3 Mask



Type 5 overalls



Safety footwear



Dust mask BS En 149 FFP2



Eye protection



Full Face Shield



Respirator



Face Mask Organic Vapour with P3 particle filtration.



Safety Glasses With Face Shield



Face shield to EN166



Flame retardent overalls



Footwear to ISO20345



Hand Sanitiser



Sanitised Hand Wipes

Sign Off Sheet

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
