

Hazard/Risk Assessment Profile: **Drain Cleaning**

Steps	Job activity tasks	Possible Hazards “What can harm you?”	Risk “What can happen?”	Risk Score	Safety controls “What can you do?”
1	General Planning	Inadequate training and / or planning	Task specific injuries due to inexperience or failure to provide appropriate equipment	1	<ul style="list-style-type: none"> Sufficient skills (competency to complete the required task) Adequate competent supervision Planning for required equipment carried out Using the appropriate equipment and PPE for the task
2	Establishment of Site	Public access	Injury to the public	2	<ul style="list-style-type: none"> Provide safe passage for the public (provide barriers and supervision)
		Traffic	Motor vehicle accidents	1	<ul style="list-style-type: none"> Traffic control carried out by suitably qualified persons
		Poor access	Slips, trips & falls	2	<ul style="list-style-type: none"> Access to work area, difficult or cluttered (poor housekeeping)
		Working at height	Falls into trench	2	<ul style="list-style-type: none"> Provide barriers and controls to eliminate the fall hazard Use appropriate work platforms, safety harness and safety equipment.
		Working under floors	Confined space	1	<ul style="list-style-type: none"> Conduct a hazardous substance survey prior to commencement to work Ventilate work area and use confined space procedure
3	Using Power Tools	Tool is unsafe or cords damaged	Electric shock / electrocution	1	<ul style="list-style-type: none"> Check condition of power tool before using Check power tool and extension leads display current test tag Operator is trained in correct use of power tool and is confident in the care and use of the power tool Residual current device is utilised in the work area Elevate power leads in the work area Power tools and leads stored correctly and kept dry Use the appropriate PPE for the task.
4	Manual Handling	Lifting weights and forces	Strains and sprains; injuries such as back damage	2	<ul style="list-style-type: none"> Follow the manual handling code of practice The principles of good lifting need to be applied. These are; <ul style="list-style-type: none"> Avoid twisting the back when lifting and hold the load close to the body Bend the knees when lifting objects from low levels (utilise leg muscles) The weight of the load must be considered in relation to other key risk factors, including frequency and duration; distance moved; characteristics of the load; load is checked for contents, height, dimensions and ease of handling Use the appropriate PPE for the task

Steps	Job activity tasks	Possible Hazards “What can harm you?”	Risk “What can happen?”	Risk Score	Safety controls “What can you do?”
5	Locate street services	Electricity / Telecom cables	Electric shock / electrocution	1	• Locate all street services (Dial before you Dig)
		Gas pipelines	Burns / asphyxiation	1	• Isolate the gas supply
		Water pipelines	Flooding	2	• Uncover all services with caution (do not use excavation machinery)
		Other Services			• Use the appropriate PPE for the task
6	Excavation	Electricity / Telecom cables	Electric shock / electrocution	1	• Locate all street services (Dial before you Dig)
		Gas pipelines	Burns / asphyxiation	1	• Isolate the gas supply
		Water pipelines	Flooding	2	• Uncover all services with caution (do not use excavation machinery)
		Falling into trench	Slips, trips & falls	2	• Refer to code of practice excavation work
		Trench depth and location to buildings / poles	Trench collapse	1	• Provide barriers and controls to eliminate the fall hazard
			Confined space		• Ventilate work area and use confined space procedure
		Moving plant	Impact injury	2	• Implement safe working distances and use safety observers
7	Position drain cleaning machine near point of entry to pipeline	Flooding	Drowning	1	• Provide rescue procedures
		Machine unstable	Hand & foot injury	3	• Ensure that the machine's support legs are on firm ground
		Sewerage flowing over the ground (splashing of sewerage on the face and body)	Infections	3	• Stop the flow of sewerage and clean the work area
		Poor access	Slips and trips	2	• Provide a clean and uncluttered work area (good housekeeping)
		Connecting a machine to electricity supply	Electric shock / electrocution	1	• Check condition of machine before using • Check machine and extension leads display current test tag • Operator is trained in the correct use of the machine and is confident in the care and use of the machine. • Residual current device is utilised correctly • Elevate power leads in the work area • Use the appropriate PPE for the task

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8	Feed the steel cable from the machine into the pipeline to blockage	Steel cable tangling with electric lead	Electric shock / electrocution	1	<ul style="list-style-type: none"> Residual current device is utilised correctly Elevate power leads in the work area
		Steel cable tangling with other objects (eg hose)	Slips and trips	2	<ul style="list-style-type: none"> Provide a clean and uncluttered work area (good housekeeping)
		Steel cable twisting when caught or jammed at the blockage	Arm, wrist, hand or leg injury	3	<ul style="list-style-type: none"> Release clutch and rectify the twisted cable and withdraw cable and repeat Use correct cable guide glove
		Splashing of sewerage on face and body	Infections	3	<ul style="list-style-type: none"> Provide disinfectant and the necessary cleaning equipment Use the appropriate PPE for the task
9	Withdrawing and cleaning cable	Steel cable tangling with electric lead	Electric shock / electrocution	1	<ul style="list-style-type: none"> Residual current device is utilised correctly Elevate power leads in the work area
			Slips and trips	2	<ul style="list-style-type: none"> Provide a clean and uncluttered work area (good housekeeping)
		Splashing of sewerage on face and body	Infections	3	<ul style="list-style-type: none"> Provide disinfectant and the necessary cleaning equipment Use the appropriate PPE for the task
10	Removing waste material from site (clean up)	Splashing of sewerage on face and body	Infections	3	<ul style="list-style-type: none"> Provide disinfectant and the necessary cleaning equipment Use the appropriate PPE for the task
11	Backfill trench and clean	Falling into trench	Slips and trips	2	<ul style="list-style-type: none"> Provide barriers and controls to eliminate the fall hazard Provide alternative means of access and egress (earth ramp) to the excavation rather than by ladders
		Working near traffic or moving plant	Impact injury	2	<ul style="list-style-type: none"> Implement safe working distances and use safety observers Use the appropriate PPE for the task

Class 1: Death or permanent disability

Class 2: Serious Injury / lost time

Class 3: Minor injury, no lost time

All risks have the potential to cause death, permanent disability, serious injury or minor injury. The risk score is an approximation of the average incident.