

<b>Task/Activity:</b> RA24 Culvert Maintenance	<b>Date assessment completed:</b> 31/1/2023	<b>Review Date:</b> 31/1/2026
<b>Brief Details of Task/Activity;</b> Culvert and Screen Maintenance	<b>Assessment completed by:</b> Sean Croudace	<b>Signature:</b>

What are the hazards?  e.g. slip/trip hazards, electricity, manual handling, work equipment	Who might be harmed and how?  e.g. staff, service users, visitors etc... and likely injury e.g. bruises, muscle strain, fracture, poisoning etc...	What are you already doing to control the hazard?	What further action or additional controls are required  (if necessary)	Risk rating  (after control measures)	Action by who	Action by when	Date completed
Equipment, tools and machinery	Employees  Major/minor injuries or fatalities from contact with equipment and machinery	Correct PPE issued and use monitored, (SEE PPE LIST 1)  Ensure all machinery and equipment being used are intrinsically safe and checked prior to use.  Only trained and competent operators to operate equipment.  Daily site checks completed.  Remove from service any equipment, tool or machinery that is not working correctly or requires maintenance.	Maintain operatives/supervisors training  Ensure PPE is being worn as advised and replace as necessary.	E			

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Manual handling, bending, twisting and lifting.	Employees  Musculoskeletal injuries, sprains, strains.	Operatives to have Manual Handling training (SEE MANUAL HANDLING GUIDANCE LIST 1 and Manual Handling Risk Assessment RA01)  Suitable P.P.E to be worn at all times. (SEE PPE LIST 1)	All operatives to have undertaken mandatory Manual Handling training.  Ensure PPE is being worn as advised and replace as necessary.	D			
Manual handling - size, weight and shape of culvert materials	Employees  Musculoskeletal injuries particularly to back and arms, shoulders and hands	Manual handling training, use techniques to ease strain on back and shoulders, use mechanical lifting aids where possible, see Manual Handling Risk Assessment RA01.	All operatives to have undertaken mandatory Manual Handling training.	D			
Infection or disease from biological and other contaminants	Employees  Diseases including hepatitis, tetanus,  Dermatitis and skin disorders.  Leptospirosis	Correct PPE issued and use monitored, (SEE PPE LIST 1)  Operatives trained in handling sharps.  All drainage operatives are to have vaccination protection, see AGMA list of inoculations refer to Guidance on Occupational Immunisations for Local Authority Workers.  Operatives to carry Leptospirosis cards and to inform any medical personnel of the possibility of contact with rats and Leptospirosis  'Service washed' overalls for all drainage employees	Regular inspection of operatives PPE to see if any items need replacing.  Operatives to have personal first aid kit on site which is up to date and replenished as necessary.  Phone to inform supervisor if necessary.  Leptospirosis awareness toolbox talks.	E			

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Working in confined spaces	<p>Employees</p> <p>Poisonous gases, slips, trips and falls.</p> <p>Heavy objects</p>	<p>See Confined Space entry Risk Assessment – RA51.</p> <p>Only trained operatives to enter confined space, gas detectors to be used, barriers in place to prevent falls.</p> <p>Confined space assessed before entry for flow and ground conditions, ladders and step irons checked prior to full load being applied.</p> <p>Operatives must not enter or work inside confined space unless they are specifically skilled, trained and certified in accordance with the Confined Spaces Regulations, 1997.</p> <p>Only confined spaces, breathing apparatus, resuscitation and first aid trained operatives to enter confined spaces.</p> <p>Gas monitoring equipment calibrated bi-annually in accordance with regulations and used in every confined space</p> <p>Personal 10 minute escape sets checked and certified bi-annually and rescue tripod and winch on site during confined space entry operations – LOLER certified bi-annually</p>	<p>Maintain operatives/supervisor Confined Space training.</p> <p>Regular inspection of operatives PPE to see if any items need replacing.</p> <p>Gas monitoring equipment tested in accordance with regulations and used in every confined space</p> <p>Escape sets, rescue tripod and winch on site during confined space entry operations</p>	E			

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Working over or adjacent to water	Employees  Drowning or injuries from falling into water.	Barriers in place to prevent falls and access to public. Traffic Management to Chapter 8 as required.  Correct PPE issued and use monitored (SEE PPE LIST 1)  Pre commencement site inspections to be carried out, water levels volume and speed of flow, obstructions to channels and grills.  Only trained and competent operators to carry out activity.  Complete site check daily record sheets.	Maintain operatives/supervisor Confined Space training.  Ensure PPE is being worn as advised and replace as necessary	E			
Climate and environmental conditions	Employees  Climate induced injuries.  Injuries from falls, slips and trips (ground conditions.)	Only trained and competent operators to carry out activity.  Correct PPE issued and use monitored (SEE PPE LIST 1)  Visually inspect walkways, ladders, step irons prior to applying full load	Ensure PPE is being worn as advised and replace as necessary	E			

CATEGORIES OF LIKELIHOOD	
<b>Highly Likely</b>	Expected to happen/reoccur, possibly frequently.
<b>Possible</b>	Might happen/reoccur at some time depends on circumstances.
<b>Unlikely</b>	Not expected to happen/reoccur but possible in certain circumstances.
<b>Very Unlikely</b>	Would only occur in very exceptional circumstances.

CATEGORIES OF CONSEQUENCE SEVERITY	
<b>Catastrophic</b>	Incident could result in <u>one or more fatalities</u> .
<b>Major</b>	Major injury resulting in incapacity, hospitalisation >24 hours.
<b>Significant</b>	Injury requires attention of a Doctor or Hospital treatment or hospitalisation <24 hours.
<b>Minor</b>	Small cut, bruise, abrasion, basic first aid treatment provided.
<b>Negligible</b>	Some discomfort, self help. No treatment required.

RISK RATING				
	Highly Likely	Possible	Unlikely	Very Unlikely
<b>Catastrophic</b>	<b>A</b>	<b>A</b>	<b>B</b>	<b>E</b>
<b>Major</b>	<b>A</b>	<b>B</b>	<b>C</b>	<b>E</b>
<b>Significant</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>
<b>Minor</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>E</b>
<b>Negligible</b>	<b>E</b>	<b>E</b>	<b>E</b>	<b>E</b>

RISK CLASSIFICATIONS	
<b>A</b>	<b>Unacceptable risk</b> , requires immediate attention. Work <u>should not be started or continued</u> until the level of risk has been reduced.
<b>B</b>	<b>High risk</b> , requires immediate attention. Control measures must be identified and put into place as soon as possible.
<b>C</b>	<b>Medium risk</b> , requires attention as soon as possible. The risk should be only be tolerated in the short term and only when further control measures are being planned and introduced, Timescales must be short.
<b>D</b>	<b>Low risks</b> , confirm that there are no low/no cost solutions which may eliminate/ reduce the risk further.
<b>E</b>	<b>Trivial risk</b> , no further action required but review at regular intervals to ensure controls remain effective.