



# RISK ASSESSMENT

## RA015-CEN WORKING NEAR WATER

HATTON TRAFFIC MANAGEMENT LTD  
[www.hattontraffic.co.uk](http://www.hattontraffic.co.uk)



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## PREFACE

These risk assessments are based on working near water, the risks include everything from slips, trips and falls to exposure to contaminated water. The following operational risks provide a general indication of what may be encountered during normal Hatton Traffic Management limited (HTML) works:

- Slips and trips at the water sources (edges)
- Insecure banks and unmarked edges of water reservoirs
- Contact with contaminated water (chemical, substances, polluted, biological, etc.)
- Manual handling and lifting hazards
- Exposure to Legionella Bacteria (Biological & viral)
- The risk of falling into water and drowning
- Contact with contaminated water, presenting, for example, the risk of Weil's disease
- Drowning-related risks such as incoming tides and rising floodwaters
- Exposure to extreme weather CONDITIONS, whether it's direct sunlight or cold temperatures
- Use of electrical equipment, tools, machinery around water, leading to electric shock electrical hazards
- Trips, slips and falls
- Impact with submerged objects
- Floating or submerged debris
- Hypothermia
- Sunburn and heat stress
- Insect/bee stings.

However, the list is not exhaustive and operational personnel **MUST** carry out an on-site dynamic risk assessment before any operations work is undertaken.

If any risks operational or environmental are identified when carrying out the on-site dynamic risk assessment outside this generic risk assessment, then you **MUST** inform your Supervisor, prior to starting any works.

If at any point throughout your work an unsafe situation is identified **STOP WORK** and contact your Supervisor immediately for guidance.

This risk assessment **MUST** be communicated to all personnel before undertaking works near a water.

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## NHSS TRAINING REQUIRED

The appropriate NHSS training is required for the works being carried out at the time depending on the operation.

### Other training if working within 50m of a water course.

- 1 First Aider
- Basic safety & rescue skills

## LINKED DOCUMENTS

All linked documents are held on the field Service tablets and are accessible to the Operative.

The linked documents are to be read in conjunction with this risk assessment before any work is carried out.

Document Name	Location
OF20-CEN Task Briefing Sheet	Documents/QHSE/Approved RAMS
PY002-CEN Vehicle Policy	Documents/QHSE/Policies/Policies
PY003-CEN Incident Reporting Policy	Documents/QHSE/Policies/Policies
PY007-CEN Lone Working Policy	Documents/QHSE/Policies/Policies
PY036-CEN Health & Well Being Policy	Documents/QHSE/Policies/Policies
PY051-CEN Working at Height Policy	Documents/QHSE/Policies/Policies
PY053-CEN Personal Protection Policy (PPE)	Documents/QHSE/Policies/Policies
RAMS025- Works at or near a level crossing in place.	Documents/QHSE/Approved RAMS

Note: All the above documents can also be found on the field service tablets









Note: If you are unable to find the documents, please speak to your line manager

Note: The appropriate Method Statement for the works being carried out.

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## PPE

Minimum requirements on site for this risk assessment for all personnel are:

Hard Hat	Eye Protection	Hi-Vis Clothing	Safety Gloves	Safety Boots
				
Colour dependent on role, with 4-point chin strap that meet EN397 & EN12 492 standards. Head torch to be worn for night working and poor visibility	Safety glasses or goggles  To be worn for task specific work or when required by client / site	Long sleeve Hi-Vis Jacket EN 20 471 class 3  Hi-Vis trousers EN ISO 20 471 class 1	Minimum of cut level F	(laced only) metatarsal if required by client / contractor  S3 steel toe cap with ankle support
Black	White		Blue	
				
SMSTS Managers and SSSTS Supervisors	General use, Managers, Clients and Competent Operatives		Trainee workers and Site visitors	

Additional PPE for these works are:

- Wellington boots when working on verges-Shallowwater.
- Life Jacket/Buoy
- Waterproof Hi-Vis Clothing.

<b>Note</b>	The above PPE requirements apply to either Yellow or Orange (this could depend on Client's requirements). PPE is to be clean, fit for purpose and identifiable with the company logo.
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## RISK ASSESSMENT INFORMATION

- If ANY risk is **HIGH**, **do not proceed with the operation**, abandon the job or look into doing it a different way.
- If ANY risk is **MEDIUM**, **proceed only with caution**, introduce additional controls, where possible.
- If ALL risk is **LOW**, **proceed with work**.

## RISK ASSESSMENT KEY

Likelihood Categories		Severity Score				
Category	Description	1	2	3	4	5
A	Extremely Unlikely	Green	Green	Green	Yellow	Yellow
B	Unlikely	Green	Green	Yellow	Yellow	Red
C	Occasional	Green	Yellow	Yellow	Red	Red
D	Likely	Yellow	Yellow	Red	Red	Red
E	Expected	Yellow	Red	Red	Red	Red
Severity Score Descriptions						
1	Minor Injuries/inconveniences. Employee can continue to work. Short term local damage					
2	Minor Injuries. Operative requires first aid treatment. Stops work. Medium term local/short term regional damage.					
3	Reportable/LTI or illness Long term local/regional damage					
4	Major injury or illness with long term effects Long term widespread damage					
5	Fatalities Widespread permanent damage					
Action Required						
Low Risk	Check that no other risks can be eliminated by modifications of design then proceed with design. Record residual risks					
Medium Risk	Reduce risks as far as reasonably practical. Consider alternative design or construction method. If alternatives are not available, specify precautions to be adopted. Record residual risks.					
High Risk	Seek alternative solutions. If alternatives are not available, specify precautions to be adopted & advise Senior Management & Supervisor (if appropriate). Record residual risks					
Hazard Phase Codes				Examples of Persons at Risk		
SI	Site Investigation/Survey			Inexperienced (I)		
OD	Outline Design			Vulnerable Road Users (VRU)		
DD	Detailed Design			Public (P)		
C	Construction			Gang Members (GM)		
CMT	Commissioning /Testing			Lone workers (LW)		
O	Operation			TM Operative (TMO)		
M	Maintenance			Site Personnel (SP)		
D	Demolition/Decommissioning/Dismantling			All		

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### RISK ASSESSMENT

Item	Activity	Phase Code(s)	Hazard(s)	Persons at Risk	Risks	PRE-RCM			Risk Control Measures (RCM)	POST-RCM		
						Likelihood	Severity	Risk		Likelihood	Severity	Risk
1	All Site Based Operations	O/M	1. Working Near Water	TMO GM I SP P	<ol style="list-style-type: none"> <li>Slips and trips at the water sources (edges)</li> <li>Insecure banks and unmarked edges of water reservoirs</li> <li>Contact with contaminated water (chemical, substances, polluted, biological, etc.)</li> <li>Manual handling and lifting hazards</li> <li>Exposure to Legionella Bacteria (Biological &amp; viral)</li> <li>The risk of falling into water and drowning</li> <li>Contact with contaminated water, presenting, for example, the risk of Weil's disease</li> <li>Drowning-related risks such as incoming tides and rising floodwaters</li> <li>Exposure to extreme weather conditions, whether it's direct</li> </ol>	D	5	H	<ol style="list-style-type: none"> <li>Personnel <b>MUST</b> be qualified for the type(s) of works they are to undertake.</li> <li>An on-site risk assessment to be undertaken before any works is conducted.</li> <li>Correct training to be given and Supervision is mandatory and part of appropriate control measures.</li> <li>Personnel that come into contact with contaminated water <b>MUST</b> report it to their Supervisor/Manager.</li> <li>Personnel to take regular breaks and have regular drinks in the shade during hot periods.</li> <li>Personnel do not stand/work near water courses during extreme weather conditions. (Windy/Blizzards, Rain).</li> <li>Personnel to wear a head torches ensuring they are switched on at night and in poor weather conditions.</li> <li>Manual Handling TBT HSTBT02 is given to all TM Operatives.</li> <li>Manual Handling risk assessment in place.</li> <li>Personnel to -                             <ul style="list-style-type: none"> <li>Check the route they are to undertake the lift from to.</li> <li>Carry out a test lift.</li> <li>Pivot the feet and not their body.</li> <li>Bend at the knees when commencing and executing the lift.</li> <li>Carry items close to their bodies.</li> <li>Take regular rests If persistence lifting/operations are involved.</li> <li>2 Man lift to be carried out on heavy equipment (only if it is safe and manageable for both TMO(s))</li> </ul> </li> </ol>	A	5	M

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# Risk Assessment

RA015-CEN Working Near Water



Item	Activity	Phase Code(s)	Hazard(s)	Persons at Risk	Risks	PRE-RCM			Risk Control Measures (RCM)	POST-RCM		
						Likelihood	Severity	Risk		Likelihood	Severity	Risk
					sunlight or cold temperatures 10. Use of electrical equipment, tools, machinery around water, leading to electric shock electrical hazards 11. Trips, slips and falls 12. Hypothermia 13. Sunburn and heat stress 14. Insect/bee stings.				k) Personnel to keep three points of contact when on the rear of the works vehicle(s). l) Lone working is <b>NOT</b> allowed. m) Waterproofed communication devices <b>MUST</b> be available n) An emergency plan <b>MUST</b> be in place to tackle and manage emergencies and briefed to the works personnel. o) At least 1 first aider to be on site. p) Provision of Lifebuoys, meeting an approved standard with an appropriate buoyant lifeline of adequate length attached, to be available within around 50m of any working position where a person could fall into the water. q) Reasonable personal buoyancy equipment, such as life jackets, are be provided and worn. r) Other PPE should be provided as mandatory to protect against other hazards, such as chemical exposure. s) Personnel are to cover broken skin and wash hands thoroughly after coming into contact with water from rat-contaminated areas. t) All electrical installations and equipment, tools, machinery are to be constructed, installed, operated, protected and maintained to prevent the risk of danger from electric shock or burns. u) Guard rails/Secure Barrier to be in place to prevent and safeguard personnel from falling into water are required, e.g. on walkways, embankments and platforms. v) Appropriate safety footwear to be worn to minimize the risk of slipping. w) Personnel to wear wellington boots when working on verges. x) Personnel issued with Leptospirosis card.			

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## ENVIRONMENTAL RISK ASSESSMENT INFORMATION

- If ANY risk is **HIGH**, **do not proceed with the operation**, abandon the job or look into doing it a different way.
- If ANY risk is **MEDIUM**, **proceed only with caution**, introduce additional controls, where possible.
- If ALL risk is **LOW**, **proceed with work**.

## ENVIRONMENTAL RISK ASSESSMENT KEY

Control		Severity Score				
		Insignificant /Positive	Minor	Moderate	Major	Severe
Category	Rating Description	1	2	3	4	5
A	High degree of control					
B	Medium degree of control					
C	Moderate degree of control					
D	Slight degree of control					
E	Negligible degree of control					
Severity Score Descriptions						
1	All aspects fully controlled or have negative effect upon the environment					
2	Aspects exist at recognisable levels, which may impact on the environment; but any change is easily recoverable with no lasting effect					
3	Will have an effect on the environment. Damage is short term and is always recoverable					
4	Major Impact. Damage is not permanent, but may take some time to remedy					
5	High Impact. Risk of severe environmental damage					
Action Required						
Low Risk	Low impact identified - Control measure to be adopted and monitored					
Medium Risk	Medium impact identified - Ensure that the aspect & impact assessment is reviewed, further controls may be necessary					
High Risk	High impact identified - Re-evaluate the aspect & impact assessment and develop / determine greater controls					
Hazard Phase Codes			Examples of Receptor			
SIS	Site Investigation/Survey		Air (A)			
OD	Outline Design		Land (L)			
DD	Detailed Design		Water (W)			
C	Construction		Natural Resources (NR)			
CMT	Commissioning /Testing		Community/Residence/Pedestrians (CRP)			
O	Operation		Operative (O)			
M	Maintenance		Ecology /Habitat (EH)			
D	Demolition/Decommissioning/Dismantling		All			
Key Environmental Issues						
Local effects of Pollution (air quality, noise, waste, lighting, odour			Carbon emissions and greenhouse effect global warming			
Water source and ocean Pollution			Deforestation, soil erosion and land quality			
Material resources & Land despoliation, supply chain issues & inequal disruption to impacts			Energy Supplies, innovations in food and fuel			
Waste and International waste trade			Agricultural issues arising from global trade			
Climate change and extreme weather events			Biodiversity loss			

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ENVIRONMENTAL RISK ASSESSMENT

Item	Activity	Phase Code(s)	Aspect	Receptor	Potential Impact	PRE-RCM			Risk Control Measures (RCM)	POST-RCM		
						Control	Severity	Risk		Control	Severity	Risk
1	Works Near Water	O M	Emissions to Water from fuel/oil spillages. Failure to follow waste hierarchy. Failure to comply with Duty of Care. Avoidance of disposal of waste. Use of fossil fuels (natural resources)	W/L/EH /NR	Water source and ocean Pollution, Deforestation, soil erosion and land quality & Biodiversity loss Water source and ocean Pollution, Waste and International waste trade Deforestation, soil erosion. Material resources & Land despoliation, supply chain issues & inequal disruption to impacts	C	3	M	Minimum Qtys of Oils and Lubes kept on some works vehicles. Bunds used for the receptacle of Oil and Fuel are kept in secure containers. Spill kits are kept on vehicles that work near water. TBT given regarding Spillages/pollution. Maintenance is carried out by the supplier of the vehicle and not on our sites. Drip trays and funnels are used when topping up vehicles/plant. Vehicle/plant services inspections carried out regularly to spot leaks. Waste is collected from site and brought back to the depot to dispose of within the waste receptacles. Waste is managed by a Contractor GoGreen. Reports are generated by the QHSE Manager and reported on at the Senior Management QHSE meetings. Weekly walk around checks are carried out within the depots to ensure waste is in the correct areas. PPE controlled and supplied Stock off PPE kept New PPE is swapped for old and recycled through the supplier where it is reused.	A	3	L

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