

Project:	Workshop / Yard Operatives / Site Operations	RA No:	16a	Review Date
Operation / Task:	Refuelling of mobile plant and generators using mobile diesel bowser	Persons at risk:	Operatives / Drivers	31/01/2027
Location / Area:	Sites	Public at risk:	Potential of major fire / contamination water course	
Monitoring Responsibility:	Project Manager, Site Foreman/ Supervisors, Operatives, HSQE Team, Transport Manager, Depot Manager			

KEY

S = Severity Rating

- Negligible
- Minor Injury
- Major Injury (RIDDOR)
- Fatality
- Multiple Fatality

L = Likelihood of Occurrence

- Improbable
- Remote 1 – 10%
- Possible 10 – 50%
- Probable 50 – 90%
- Almost certain 90%+

RR = Risk Rating

Severity	5	4	3	2	1
Likelihood	1	2	3	4	5

R Unacceptable risk, plan out or add further controls.
O Acceptable only if no other method viable & with high level controls in place.
Y Acceptable with suitable controls.
G Acceptable, no further action required.

Activity	Hazards/Risks Identified	Risk Rating			Control Measures	Residual Risk			Responsibility
		S	L	RR		S	L	RR	
Refuelling of vehicles and plant using mobile pumps	Fuel spillage/leakage Contamination of water course	3	3	12	<ul style="list-style-type: none"> Use drip trays and spill kits; bunded bowser; trained personnel; supervise fuelling; inspect hoses/nozzles regularly Ensure all operatives are aware of site emergency numbers Ensure all Operatives are aware of the UN number to relay to emergency services in event of major spill Refuelling to Not take place close to any water course 	3	1	3	Project Manager Site Foreman/ Supervisors Operatives HSQE Team Transport Manager Depot Manager
Cont.	Static electricity	4	3	12	<ul style="list-style-type: none"> Earth bonding cable on bowser; avoid refuelling in extreme dry/windy conditions 	4	1	4	Project Manager Site Foreman/ Supervisors Operatives HSQE Team Transport Manager Depot Manager
Cont.	Fuel vapour inhalation	4	3	12	<ul style="list-style-type: none"> Refuel in well-ventilated areas; do not overfill; additional respiratory PPE to be worn if necessary 	4	1	4	Project Manager Site Foreman/ Supervisors Operatives HSQE Team Transport Manager Depot Manager

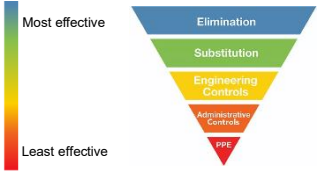
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Severity	5	4	3	2	1
5	5	10	15	20	25
4	4	8	12	16	20
3	3	6	9	12	15
2	2	4	6	8	10
1	1	2	3	4	5
	1	2	3	4	5
	Likelihood				

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		S	L	RR		S	L	RR	
Cont.	Fire/explosion from ignition sources	5	3	15	<ul style="list-style-type: none"> Refuel in well-ventilated areas; do not overfill; Always wear the correct PPE Remove all sources of ignition in the vicinity of the refuelling operation Enforce a strict no smoking policy within 25 metres of all refuelling procedures In date dry powder of foam fire extinguishers to be readily and easily available to aid safe evacuation 	5	1	5	Project Manager Site Foreman/ Supervisors Operatives HSQE Team Transport Manager Depot Manager
Cont.	Manual handling (fuel hoses)	4	3	12	<ul style="list-style-type: none"> Use mechanical aids if needed; training on manual handling; proper hose storage 	4	1	4	Project Manager Site Foreman/ Supervisors Operatives HSQE Team Transport Manager Depot Manager
Cont.	Slips, trips, falls (spilt fuel or hose routing)	4	3	12	<ul style="list-style-type: none"> Clean any spills immediately; clearly mark refuelling zone; keep hoses tidy Complete a Dynamic RA at each refuelling stop to identify slips and trips Never refuel near the edge of an excavation 	4	1	4	Project Manager Site Foreman/ Supervisors Operatives HSQE Team Transport Manager Depot Manager

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1	1	2	3	4	5	
		1	2	3	4	5

Severity

Likelihood

Activity	Hazards/Risks Identified	Risk Rating			Control Measures	Residual Risk			Responsibility
		S	L	RR		S	L	RR	
Cont.	Unauthorised access during refuelling	4	3	12	<ul style="list-style-type: none"> Use barriers and signage to restrict access; only trained staff to operate bowser 	4	1	4	Project Manager Site Foreman/ Supervisors Operatives HSQE Team Transport Manager Depot Manager
Cont.	Contact Dermatitis	4	3	12	<ul style="list-style-type: none"> Wear Correct PPE at all times Wash off any splashes of containment immediately 	4	1	4	Project Manager Site Foreman/ Supervisors Operatives HSQE Team Transport Manager Depot Manager
Cont.	Control of plant item being refuelled	4	3	12	<ul style="list-style-type: none"> Once the plant item is in place the Fuel operative is to retain the keys for the item being refuelled until the operation has been completed 	4	1	4	Project Manager Site Foreman/ Supervisors Operatives HSQE Team Transport Manager Depot Manager

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KEY

Most effective
Least effective

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Cont.	Working at height	4	3	12	<ul style="list-style-type: none"> Work at height should be limited; and should comply with RA 20 in the event that it is necessary Should only happen in a safe area with the cooperation of site to mitigate risk as much as is reasonably practicable 	4	1	4	Project Manager Site Foreman/ Supervisors Operatives HSQE Team Transport Manager Depot Manager

Risk Assessment Prepared By: Craig McCormack

Signature:

Date: 31/01/2026

Risk Assessment Reviewed By: Paul Lynch

Signature:

Date: 31/01/2026

