



Project: Bulk Fuel Delivery	Project No: LU 012 Bulk Fuel Deliveries
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Title: Fuel Delivery RAMS

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Issued to: Kohler Power Systems C/O Gratte Brothers KAO Long 6 Data Center Galvin Road, Slough SL1 4AN	Revision: 1	Review Date: 14/02/2025
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1. SCOPE OF WORKS

General: Bulk delivery of fuels from delivery tanker to fixed or mobile fuel tank









2. Project Organisation for Health and Safety Control

LubiQ Fuels Compliance Site & Customer Supervisors. Delivery Contractor: Clugstons on behalf of LubiQ Fuels.



3. Main Hazards and Controls	
Main Hazards	Controls
Ignition sources	Restrict area of heat & ignition sources. Wear Antistatic PPE.
Exposure to fumes	Safety Data Sheets – LubiQ Renewable Diesel Fuel to EN15940 Risk assessment – Ref: 005, 006, 009, 020 Ensure good ventilation in loading & unloading area to prevent fume pocket build-up areas. Cordon off working area to unauthorised persons/vehicles when loading & unloading.
Physical contact with product	Use approved industry standard hoses and connections. Wear appropriate PPE – Ref CoSHH Data Ref: 005, 006, 009, 020
Slips trips and falls	Good housekeeping in work area. Hoses to be kept coiled up when not in use. Cordon off working area to unauthorised persons/vehicles when loading & unloading. Signage to warn others.
Vehicle movements	All reversing man & tight access to be accompanied by a Banksman where available. Observe site speed limits & site restrictions. Observe site height limits & site overhead obstructions. Observe site weight & area restrictions.
Working at Height	Fuel transfers at ground level where possible. Fuel transfers above ground level using fixed or mobile platforms. Fuel transfers above ground level using ladders Ref: TR 003 Use of Ladders

Manual Handling	Limit lifting operations to without the use of mechanical means. Vehicles fitted with coil hoses.
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New International Globally Harmonised Hazard Symbols							
							
Flammable	Toxic	Harmful	Oxidising	Corrosive	Explosive	Harmful to the environment	Health Hazards
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4. Risk Assessments References for Task

<i>RA Ref..</i>	Fuel Delivery V1 (2024-25)
<i>RA Ref..</i>	005
<i>SDS Ref..</i>	Safety Data Sheets – LubiQ Renewable Diesel EN15940 SDS
<i>Supporting/additional RA...</i>	TR001 – Tanker Loading/Unloading (customer sites), TR003 - Use of Ladders

Mandatory PPE:	
<ul style="list-style-type: none"> • High visibility vest/coat • Hard Hat (if required – follow site safety rules) • Safety boots with toe and mid sole & Ankle protection • Safety glasses • PVC or Nitrile Protective gloves 	BS EN 471 BS EN 397 BS EN 345 BS EN 166 BS EN 388

- Overall protection (Anti-static)
- Ear defenders (if required – follow site safety rules)

BS ISO 11611
BS EN 352.1

Personal Protective Equipment					
					
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Other:	Wear glasses to prevent splashes into eye whilst filling pots, tanks, and screwing and unscrewing connection hoses. Wear nitrile or PVC gloves. Wear coveralls/overalls, remove if contaminated with spills/splashes. Covid-19 Wear hand & Face coverings to ensure social distancing.				

NOTE: All PPE will be inspected and be in good condition and conform to all current EN BS standards before each time it is used.

5. Emergency Procedures:

Crown Oil operatives will fall under Site and Customer procedures for all emergencies, incidents, and accidents.

Staff shall familiarise themselves with the emergency arrangements upon arrival by visitor information/induction to site. The

Customer will ensure that all staff are aware of site first aid facilities and identification of trained first aiders on site.

In the event of an emergency evacuation, staff will follow the instructions of site instructions and return to work only when told it is safe to do so. Driver shall have the appropriate ADR equipment, Fire extinguishers for the size of the vehicle & suitable spill equipment.



6. ADR Vehicle Requirements (max permissible mass)	Minimum dry powder fire extinguisher provision
Up to 3.5 tonne	2kg for cab plus 2 kg
over 3.5 t and up to 7.5 tonne	2 kg for cab Total 8 kg (usually one 6 kg but other provision is acceptable as long as there is one 6 kg)
Over 7.5 tonne	2 kg for cab Total 12 kg (including at least one 6 kg)
Any vehicle carrying dangerous goods under the "small load" limit or carrying only infectious substances	One 2 kg only

7. ACCESS & EGRESS
Access gate: Rear Gate on Ajax Avenue off Galvin Road.

8. LIGHTING
Delivery will be carried out during daylight hours. General access lighting' and 'emergency lighting' as provided by the client is sufficient for this task.

9. PLANT & EQUIPMENT
Plant to be used: Fuel Tanker.

10. TRAINING CERTIFICATION/PERMIT TO WORK



Tanker Driver holds appropriate ADR HGV licenses, which will be available for inspection on the day.
Risk & Method, CoSHH and job specific training in the use of the fuel delivery equipment.

11. HAZARDOUS MATERIALS & SUBSTANCES

Material / Substance	COSHH Sheet
DERV or HVO Diesel Fuel	Ref: 005 CoSHH
Gas Oil	Ref: 006 CoSHH
Kerosene	Ref: 009 CoSHH
IHO	Ref: 020 CoSHH

12. WASTE MANAGEMENT

Tanker Driver will deliver specified amount of fuel only – any surplus fuel will remain in the Tanker. Standard use
Spill pads & PPE shall remain with the vehicle.

13. SPECIAL CONTROL MEASURES

The Driver shall always monitor the fuel delivery during transfer, ensuring the hoses & receiving tanks are visible. A spill kit will
be carried by the Tanker and be available while the tanks are being filled.

14. Emergency Contacts

LubiQ HVO Fuels – Ben Hardwick – 07848 452665

Kohler: M Jolley – 07919 250030

Gratte Brothers – Site Manager – 07714 826337



15. Method of Fuel Delivery Sequence:

The fuel will be delivered in a tanker by Clugstons Fuels competent ADR drivers.


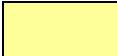

1.	On arrival at site, the driver will establish contact with the Customer/Site Supervisor/Security.
2.	The Driver shall obey the site rules. Wear a minimum suitable PPE: high vis vest, foot & ankle protection & overalls protection, when not in vehicle. The Driver shall wear additional PPE above the minimum as per the site requirement.
3.	The Driver shall place the tanker at the tank fill point as indicated by the Site Supervisor. Where tight access & reversing manoeuvres are required, the Site Supervisor or banksman shall assist the tanker Driver where available. The Site Supervisor shall inform the Driver of any height, weight & one-way restrictions of the site. Where a Crown Oil supervisor is present, the Supervisor shall assist.
4.	The Customer Supervisor will confirm with the Driver the correct Fill Point for the fuel delivery and any tank monitoring/measuring equipment.
5.	The Driver shall wear additional PPE above the minimum when connecting & transferring Fuels: Eye protection, PVC/Nitrile gloves. Where hazards exist of objects/people working at height, head protection shall be worn.
6.	The Tanker driver shall inspect the delivery hoses/seals prior to use. Defect hoses shall not be used & reported to Clugstons Supervisor on return to depot. Replace defect seals as required.
7.	The driver shall ensure sufficient spill kits & drip trays are available prior to connections & fuel delivery. The area shall be restricted to unauthorised persons and vehicles during the fuel transfer.
8.	The Tanker Driver to connect vehicle delivery hose/hoses to inlet valve as advised by the Site Supervisor. Where multiple hose connections are required, spill pads/drip trays shall be laid under the joints where practical.
9.	The tank will be inspected to confirm available space in the tank for fuel.
10.	The Driver shall set the Vehicle delivery meter to the agreed volume requested to be delivered & recorded. Where insufficient space is available, the meter shall be reset & agreed with the Site Supervisor.
11.	On completion of meter set, the tanker driver shall open all inline valves & the tanker outlet valves. The Driver shall check the hose/hoses for leaks. If any leaks are visible, the driver shall isolate the tank/tanker, empty the hoses & clean any spills. Remaking any leaking joints. All spillages shall be reported to the Site Supervisor & LubiQ Fuels Supervisor. Used spill pads & contaminated PPE shall be bagged up for disposal on return to depot.
12.	If safe to do so, the pump will be engaged and delivery commenced.
13.	The tanker driver shall remain at the delivery points of the Tank/Tanker & monitor the delivery at all times. Where a Clugstons Supervisor is present, the Supervisor shall monitor the tank during the delivery and be in contact with the Tanker Driver.

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14.	Tank to be continually monitored during delivery.
15.	On completion of delivery, the driver will stop pump then close delivery hose valve once pressure released. Quantity of fuel (in litres) to be recorded by Customer Supervisor.
16.	Hose disconnected ensuring any drips are contained within the drip tray. Hose caps to be fitted on completion.
17.	Hoses to be rewound & stowed away onto delivery vehicle.
18.	The Customer Supervisor to sign delivery note in driver's presence and retain a copy.
19.	The tanker will exit site, observing all signs and notices.

15. Task Based Risk Assessment – Fuel Delivery V3

Persons at Risk	Risk Rating (SxLH)	Remote	Unlikely	Possible	Probable	Certain
		Equipment Damage	1	2	3	4
Negligible Incident	2	4	6	8	10	
First Aid	3	6	9	12	15	
Major	4	8	12	16	20	
Fatality	5	10	15	20	25	

	Low
	Medium
	High

Task No.	Activity	Persons at Risk	Hazards / Event	Severity	Likelihood	Risk Rating	Control Measures	Revised Severity	Revised Likelihood	Revised Risk Rating
1	Travel to site & contact site Supervisor	E, C, V, P	Traffic / Traffic Incident.	5	4	20	<ul style="list-style-type: none"> Only licensed and experienced ADR operatives to drive vehicles. Any site safety signage to be followed e.g., speed restrictions, one-way systems etc. 	5	1	5

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2	Site PPE: high vis vest, foot & ankle protection & overalls protection	E	Other traffic; Site Hazards.	3	3	9	<ul style="list-style-type: none"> Driver shall wear a minimum suitable PPE: high vis vest, foot protection, overalls protection. Any additional PPE required by site shall be worn. Observe all customer hazard warning signs and follow site rules. 	3	1	3
3	Vehicle manoeuvres around client site.	E, C	Vehicle reversing; tight access; height & weight restrictions.	5	4	20	<ul style="list-style-type: none"> Only licensed and experienced ADR operatives to drive vehicles. If available ask a banksman for tight access & reversing maneuvers. Driver to adhere to height & weight restrictions of the site. Customer to advise driver of site restrictions. 	5	1	5
4	Identify Tank Fill Point & tank monitoring/measuring equipment.	E, C	Reactions from incompatible materials; overfilling; environmental spills.	3	3	9	<ul style="list-style-type: none"> The customer supervisor shall confirm/identify with the driver the correct fill point for the fuel delivery and any tank monitoring/measuring equipment. Driver to inspect fill point for any obvious damage. Any obvious damage is to be reported to site supervisor before filling commences. 	5	1	5
5	Fuel delivery area/location; additional site conditions & additional PPE	E, C	Collision with other vehicles & unauthorised persons; dermatitis; objects falling from height.	4	4	16	<ul style="list-style-type: none"> Isolate work area from others. Driver shall wear additional PPE above the minimum when connecting & transferring fuels: Eye protection, PVC gloves. Where hazards exist of objects/people working at height, head protection shall be worn. Observe all customer hazard warning signs and follow site requirements. 	4	1	4
6	Fuel delivery hoses & Seals	E	Leaks from pipes; seals; environmental spills; pressure release from hoses; danger of spraying fuels in eyes & on body.	3	3	9	<ul style="list-style-type: none"> The Tanker driver shall inspect the delivery hoses/seals prior to use. Defect hoses shall not be used & reported to Crown Oil supervisor on return to depot. Replace defect seals as required. 	3	1	3

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7	Sufficient spill kits for task	E, C	Leaks from pipes; seals; Environmental spills.	3	3	9	<ul style="list-style-type: none"> The driver shall ensure sufficient spill kits are available prior to connections & fuel delivery. Site supervisor to instruct driver of any site-specific spill procedures. Use pads & drip trays on connection points. ADR trained drivers. 	3	1	3
8	Run hoses from tanker to tank and recheck hoses	E, C,	Trailing Hoses; Leaks from pipes; seals; Environmental spills.	3	3	9	<ul style="list-style-type: none"> Run Hoses in one area to avoid multiple tripping hazards. Restrict Area from others. Use pads & drip trays on connection points. 	3	1	3
9	Fill tank monitoring/measuring equipment.	E, C	Overfilling; environmental spills.	3	2	6	<ul style="list-style-type: none"> The Customer Supervisor shall confirm with the Driver the correct amount of fuel delivery required and confirm the tank monitoring/measuring equipment readings. 	3	1	3
10	Start liquid transfer procedure	E, C	Fuel spills; Trailing Hoses / Slips, Trips and Falls; spray from fuels into eyes & on Body.	4	2	8	<ul style="list-style-type: none"> Any signs of leaks then STOP. Spill kit to be made available. Clean spills & report to site contact. 	4	1	3
11	Delivery of HVO	E, C	Leaks from pipes; seals; Environmental spills Fuel spills; Trailing Hoses / Slips, Trips and Falls; spray from fuels into eyes & on Body.	3	3	9	<ul style="list-style-type: none"> Inspect equipment/hoses/seals during delivery to check sign of leaks Driver to stand at fill point while delivering fuel at all times, continually monitoring. Site supervisor to inform driver of any emergency procedures. PPE to be worn at all times. Use pads & drip trays on connection points Only licensed and experienced operatives to deliver fuel. Check fuel gauges at regular intervals 	3	1	3

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12	Stop liquid removal	E, C	Fuel spills; Trailing Hoses / Slips, Trips and Falls; spray from fuels into eyes & on Body.	3	2	6	<ul style="list-style-type: none"> Close valves and undo hose connection at tank end, making sure pipes / hoses are drained properly. Every vehicle contains a spill kit if required. PPE to be always worn. 	3	1	3
13	Tidy up work area	E	Fuel spills; Trailing Hoses / Slips, Trips and Falls.	3	3	9	<ul style="list-style-type: none"> Equipment to be cleaned and checked. All faults to be identified and reported to the supervisor. Ensure all pipework is capped off/valve closed and stored away correctly. Any waste spill kit is to be bagged up correctly and taken back to Clugstons in Brigg or LubiQ in Grangemouth for disposal. 	3	1	3
14	Finalise paperwork with client	-	-	-	-	-	-	-	-	-
15	Travel off site	E, P	Traffic / Traffic Incident.	5	4	20	<ul style="list-style-type: none"> Only licensed and experienced operatives to drive vehicles. Any site safety signage to be followed e.g. speed restrictions, one way systems etc. 	5	1	5