

Beatsons Mull Rally 2022

Refuelling Procedures and Risk Assessment.



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Method Statement

Self-Refuelling Competition Vehicles from Approved Fuel Cans

Prepared by PETER CLINGAN, MOTORSPORT UK, ENVIRONMENTAL INSPECTOR (Jan 2021)

Scope of Operation

This Method Statement has been prepared to cover the above activities involved in refuelling vehicles from fuel containers supplied by the entrants.

1. Set up and Start of Operation.
2. Setting up barriers and appropriate signage
3. Putting in place requirements within the Refuelling Zone/Area
4. Setting out the storage area for fuel cans supplied by entrants
5. Process for first and subsequent competing vehicles on entering the Refuelling Zone/Area

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Step by step process

1. Familiarise with all Risk Assessments and Safety Plan for Event and Zone/Area
2. Checking area in and around refuelling Zone/Area is free of combustible materials or sources of ignition.
3. Put in place barriers to protect the Refuelling Zone/Area and correct signage to show directions for entering and exiting and to show extent of hazards in immediate area of Refuelling Zone.
4. Mark out segregating bays and place out fire extinguishers (both powder and foam) fire blanket, drip trays, granules and storage drum for waste in dispensing area along with First Aid Kit. Personnel (Trained Licensed Motorsport UK) to wear correct PPE to commence duties within the Zone (Face Mask/Balaclava, Fireproof Suit, gloves, glasses)
5. Mark out storage area for fuel cans with correct signage in place for fuel cans which must be Bs/En Standard, not leaking, securely sealed and have appropriate "Highly Flammable Signage"
6. Vehicle on entrance to the Refuelling Zone/Area directed to selected bay, drip tray put in place and fire extinguisher at ready.
7. Engines must be switched off prior to and whilst refuelling is being carried out.
8. Vehicle to be fuelled under the direction of the Motorsport UK Environmental Inspector
9. During refuelling only one member of competitor's service crew admitted into Refuelling Zone/Area to assist crew with refuelling
10. Officials will ensure that crews are out of car when refuelling is taking place.
11. On completion of re-fuelling cans will be securely sealed and returned to the fuel can storage area.
12. The crew will then be allowed to access the vehicle and exit from the Refuelling Zone/Area
13. The above process will be repeated until closure of the Refuelling Zone/Area at the direction of the Motorsport UK Environmental Inspector
14. Area to be cleared of all hazardous and all general waste, barriers and signage removed.
15. All fuel cans to be returned to the relevant entrant.

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Self-Refuelling Zone / Area

1. MEASUREMENTS: - 20m x 20m fenced or coned off. (Event Organisers responsibility)
2. Zone/Area preferably hard standing with no overhead cables or drains within.
3. 4 refuelling bays minimum within the Zone/Area, coned/taped or both (Set up by Environmental Inspector)
4. Drip trays for each bay. (Provided by Environmental Inspector)
5. Storage area for retained fuel cans during event within Zone/Area will be set up.
6. Minimum of 4 Large Fire Extinguishers in Zone/Area. (Provided by Environmental Inspector)
7. Signage: Restricted Area Signs, Self-Refuelling Entry and Exit signage, Flammable Liquid, No Smoking, No Mobile Phones, No Naked Flames, Face Coverings (All provided by Environmental Inspector)
8. Environmental Inspector in attendance throughout event.
9. No Management Vehicles permitted in Zone/Area, Competitors and Course Cars only.
10. Refuelling Zone/Area classed as Parc Ferme, 2 service crew members only permitted to assist with refuelling. (Dispensation in Regulations) Entry 3 minutes prior to vehicle arriving. Fire Protective Overalls advised and Balaclava/Face Mask must be worn
11. Fuel Storage: -Cans can be dropped off when Zone/Area is open, they will be labelled and placed in the storage area within the Zone/Area, these can be removed when all refuelling is complete, or if competitor retires from the rally.
12. Only Legal British Standard Fuel cans will be accepted in the Refuelling Zone/Area.
13. Waste Storage Drum, Granules and Spill Pads will be available in Refuelling Zone/Area (Provided by Environmental Inspector)
14. On entering Zone/Area competitors will be directed into a bay where supplied drip tray must be put in place prior to refuelling. No one must be within the vehicle e.g. driver, navigator, service crew, and the engine must be switched off throughout any refuelling operation. (Motorsport UK R.38.1.7)
15. It is highly recommended that hand pumps are used or direct filling, No funnels.
16. Risk Assessment and Method Statement will be available for Local Authority if required, held by Environmental Inspector.
17. Waste Carriers Licence held by Environmental Inspector for removal of Hazardous Waste from Refuelling Zone/Area at end of the event.

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Fuelling Generic Risk Assessment

Self-Refuelling of vehicles - Beatsons Mull Rally 2022

PERSONS INVOLVED: Officials, Marshals, Competitors, Service Crew.

LOCATION: Self Refuelling Zone/Area

HAZARDS

Risk Rating: this is when likelihood and severity are taken together. For example, the harm from a hazard may be high (death) but the likelihood of it happening is minute but NOT IMPOSSIBLE then it is overall low. But if the hazard is high and the likelihood is high then the overall risk rating is high.

Hazard No.	Hazard	Risks	Probability (1 – 5)	x Severity (1 - 5)	= Risk Rating (1 – 25)
1.	Fuel blow back/Splash when refuelling vehicle.	Skin complaints, burns.	3	4	12
2.	Petrol/Diesel spillage, drips from filler nozzle.	Slipping when entering exiting vehicle. Contamination on sole of boots which could slip off vehicle pedals	3	3	9
3.	Manoeuvring vehicle within Zone/Area	Impact with other vehicles, fuel pumps/cans and personnel.	2	3	6
4	Using mobile phones	Danger of explosion	3	5	15
5	Smoking	Danger of fire, explosion	3	5	15
6	Non BS/EN Fuel Containers	Leakage, explosion	3	5	15
7	Heavy Containers	Sprains, Strains, Spillage	3	4	12

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Control Measures

When issuing staff with instructions on assessed tasks, it may be necessary with some groups to give the information verbally. A record should be kept on the information dissemination and officials/marshal's must sign that they have received the information and in what form. If possible when listing control measures cross reference to existing written instructions/information should be attached to the risk assessment form where possible as an appendix.

New Risk Rating: This is based on the hazards and risks identified and the control measures being in place, the aim is to ensure that the risk that is left (residual) is LOW. This is a measure of the effectiveness of the control measures and the proof that everything reasonably practicable has been done.

Hazard No	Control Measures (if none put N/A)	New Risk Rating
1.	Vehicles must always be switched off when refuelling with crew out of vehicle. Only competitors/service crews are to refuel vehicle. Fireproof Protective Clothing should be worn when refuelling. Sealed Mechanical Pumps or Hand Pumps advised for this purpose or direct pouring, No Funnels permitted.	6
2.	Spillage Trays/Environmental Spill Pads must be in place prior to start of refuelling of vehicle. Granules available to deal with spillages. Waste Disposal Container in position. Always check and clean soles of boots before re-entering vehicle	4
3.	Hi Visibility vests and face masks/balaclavas to be worn at all times by officials/service crew in Zone/Area. 5 mph speed limit to be observed within Zone/area. Personnel limited.	3
4.	Mobile phones must never be used within Refuelling Zone/Area, Appropriate signage erected relating to this statement.	4
5.	No Smoking permitted within Zone/Area. Appropriate signage erected relating to this statement.	4
6.	Only British Standard Containers accepted in Zone/Area	4
7.	Where possible containers should be wheeled into Zone/Area.	6

ASSESSOR'S NAME: Peter Clingan - Motorsport UK Environmental Inspector

Updated October 2022

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Refuel Zone – Emergency Management

The persons in overall control of the Refuel Zone are Paul Watson (07803 134404) / Eamonn Kilmurray (07555 730897)

In the event of a spillage or fire:

- **EVACUATE** the immediate area
- **DEPLOY** spill kits as required (in case of spillage)
- **DEPLOY** all available fire extinguishers (in case of fire)
- **CONTACT** Rally Control (07594 216246 or by Radio) to mobilise Emergency Services