



European Communities (Carriage of Dangerous Goods by Road and Use of Transportable Pressure Equipment) Regulations 2011 to 2019

Competent Authority Exemption 08/2021

Applicable To National Road Transport Only

Use of Multiple Element Gas Containers containing pressure receptacles made of composite materials beyond the ADR inspection interval

The Health and Safety Authority as Competent Authority appointed under Regulation 10 of the European Communities (Carriage of Dangerous Goods by Road and Use of Transportable Pressure Equipment) Regulations 2011 to 2019, and in accordance with Regulation 5(4)(a), hereby exempts

Southgates Estates Limited, Glenmore Estate, Aghaveagh, Cloghan, Co. Donegal, from the provisions of

- ADR 4.1.4.1, P200 (9), that pressure receptacles which make use of composite materials have maximum periodic test period of five years, and
- ADR 6.8.3.4.12, that from the date of initial inspection and test of multiple element gas containers (MEGCs), the elements of which are receptacles, the MEGCs are inspected at not more than five-year intervals,

and permits the carriage (including the filling) of the MEGCs from the anaerobic digestion plant at the Glenmore Estate, Aghaveagh, Cloghan, Co. Donegal to Lifford, County Donegal, beyond the due date of periodic inspection, subject to adherence to the control measures provided in this exemption.

Purpose

The MEGCs are used for the carriage of biomethane (UN No. 1971) from an anaerobic digestion plant at Glenmore Estate, Aghaveagh, Cloghan, Co. Donegal to one of five Combined Heat and Power (CHP) plants in Belfast, Northern Ireland, as part of a large cross-border renewable gas project. This Competent Authority exemption provides for the national carriage of the biomethane (UN No. 1971) from where the MEGCs are filled at the anaerobic digestion plant in Cloghan, Co. Donegal to the border with Northern Ireland at Lifford, Co. Donegal.

The inspection of the MEGCs (manufactured by Technoimpianti APM, Italy, of manufacturer serial numbers GC0019 to GC0032 inclusive), the elements of which are pressure

receptacles made of composite materials (manufactured by Hexagon, Lincoln, Nebraska, USA, Batch Nos. 3345, 3346 and 3347, will be performed in accordance with ADR 6.8.3.6 for the MEGCs and standard ISO 11623:2015 for the pressure receptacles.

The periodic inspection for each MEGC will be performed at the inspection premises of TankSafe Solutions Limited, 18 Cockhill road, Maze, Lisburn, BT275RS, under the control of Arrowhead Industrial Services (EU) (AISEU), Unipessoal Lda, Rua da Igreja No. 79, Aviero Business Centre, 3810-744 Aviero, Portugal (AISEU, notified body number 2880).

Biomethane (UN No. 1971) may be carried under this exemption if in compliance with the following supplementary provisions:

1. AISEU inspectors will be present throughout the 14-month inspection programme for the periodic inspection of pressure receptacles in accordance with ISO 11623:2015) and the MEGCs in accordance with ADR 6.8.3.6.
2. Each MEGC shall be inspected before, during and after filling, by ADR certified drivers. These inspections will take the form of a visual external inspection for evidence of impact, chemical and heat degradation; driver pre-connection inspection and post connection inspection, with each driver using a specified application for the recording of defects.
3. The MEGCs shall be filled and emptied using pressure and temperature control, and the temperature shall be limited to a maximum temperature of 55°C.
4. Interim inspections of the MEGCs shall be performed on the return journey from Belfast, Co. Antrim to Cloghan, Co. Donegal, at the premises of TankSafe Solutions.
5. AISEU shall submit a report of confirmation of success or failure to the Competent Authority within 10 working days, following the completion of each periodic inspection of the 14 MEGCs and the pressure receptacles therein.
6. In all other respects, the transport operations performed in accordance with this exemption will comply with the relevant requirements of ADR.
7. A copy of this exemption must accompany the transport documentation and must be made available to anyone who has a legitimate interest in the transport operation.
8. Any incident resulting in loss of containment of a substance during the transport journey shall be reported without delay by the operator to:

Health and Safety Authority
The Metropolitan Building
James Joyce Street
Dublin 1
D01 K0Y8

<mailto:wcu@hsa.ie>
9. The Authority may withdraw this exemption for failure to observe any of these conditions or for any other reason, which the Authority deems sufficient.

This exemption is effective immediately and expires on 31 May 2022.

Date: 31 March 2021

A handwritten signature in blue ink, appearing to read 'Sharon McGuinness', written in a cursive style.

Dr Sharon McGuinness
Chief Executive Officer
Health and Safety Authority