

European Communities (Carriage of Dangerous Goods by Road and Use of Transportable Pressure Equipment) Regulations 2011 to 2021

Competent Authority Exemption 02/2022

Applicable To National Road Transport Only

Use of Multiple Element Gas Container (MEGC) 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 2021, and in accordance with Regulation 5(4)(a), hereby exempts

Green Generation Limited, Gurteen Lower, Nurney, Co. Kildare, R51 XY02 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 a multiple element gas container (MEGC), the elements of which are receptacles, the MEGC is inspected at not more than five-year intervals,

and permits the carriage (including the filling) of the MEGC from the anaerobic digestion plant at Gurteen Lower, Nurney, Co. Kildare to an injection point on the national gas network at Cush, Co. Kildare, beyond the due date of periodic inspection, subject to adherence to the control measures provided in this exemption.

Purpose

This Competent Authority exemption provides for the national carriage of the biomethane (UN No. 1971) from where the MEGC is filled at the anaerobic digestion plant in Gurteen Lower, Nurney, Co. Kildare to an injection point on the national gas network at Cush, Co. Kildare.

The inspection of the MEGC (manufactured by Wystrach, Germany under the authority of SGS TUV Saar, notified body number 1637, manufacturer serial number WGC 20-S00066), the elements of which are pressure receptacles made of composite materials (manufactured by Xperion Energy (now Hexagon Puris), Germany, overseen by TUV Rheinland Industrie Service GmbH, notified body number 0035, serial numbers 9435/2016 to 9713/2016) will be performed in accordance with ADR Chapter 6.8 for the MEGC and standard ISO 11623:2015 for the pressure receptacles.

The periodic inspection for the MEGC and pressure receptacles therein will be performed at the inspection premises of TankSafe Solutions Limited, 18 Cockhill road, Maze, Lisburn, BT275RS, Northern Ireland, 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. The MEGC shall be inspected before, during and after filling, by trained Green Generation Limited operatives in accordance with inspection procedure GGG-CUSH SOP 02_01 MEGC Manual. 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.
2. The MEGCs shall be filled and emptied using pressure and temperature control, and the temperature shall be limited to a maximum temperature of less than 55°C.
3. A competent person shall perform monthly interim inspections of the MEGC in accordance with procedure SOP 02_02 MEGC Interim Inspection.
4. The periodic inspection of the MEGC shall be carried out in accordance with ADR 6.8.3.4.15. In particular, when the elements and equipment have been pressure tested separately, they shall be subjected together after assembly to a leakproofness test.
5. In all other respects, the transport operations performed in accordance with this exemption will comply with the relevant requirements of ADR.
6. 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.
7. 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:contactus@hsa.ie>

8. 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 July 2022.

Date: 18 February 2022



Dr Sharon McGuinness
Chief Executive Officer
Health and Safety Authority