

Annex: Technical Framework Conditions

to the general terms and conditions for access to the hydrogen storage facilities operated by RWE Gas Storage West GmbH (RGSW)

Preamble

The utilisation of the *storage capacities* maintained for the storage customer pursuant to the storage contract is limited by the technical framework conditions described in this Annex which are contingent on technical and usage-contingent parameters. Such technical and usage-contingent parameters include inter alia the mode of operation of the storage facility, the actually stored hydrogen volumes, the actual gas qualities and the mode of operation of the hydrogen network operator adjacent to the storage facility.

§ 1 Injection and Withdrawal Curves

- (1) The utilisation of the maintained *storage capacities* is limited by the injection and withdrawal curves of the hydrogen storage facility. The injection curve shows the maximum usable *injection capacity* as a function of the filling level of the *working gas volume* maintained for the storage customer. The withdrawal curve shows the maximum usable withdrawal capacity as a function of the filling level of the *working gas volume* maintained for the storage customer.
- (2) The contractually guaranteed injection curve shall be agreed with the storage customer in the storage contract.
- (3) The contractually guaranteed withdrawal curve shall be agreed with the storage customer in the storage contract.

§ 2 Availability Notices

- (1) RGSW shall provide the storage customer information on the availability of the maintained storage capacities via the web portal of RGSW. The storage customer can gain access to these information by using the personalized web portal access.
- (2) The information available to the storage customer pursuant to paragraph (1) shall contain – taking into account the necessary measures restricting the use of capacity pursuant to Section 20 of the GTC – details for each day of the scheduled maximum usable part of the *injection* and *withdrawal capacity* available to the storage customer.

§ 3 Changeover Time

- (1) The utilisation of the *injection* and *withdrawal capacities* maintained for the storage customer pursuant to the storage contract is restricted by the technically required changeover time in case of switching from injection to withdrawal and from withdrawal to injection. This changeover time is two hours.

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- (2) The storage customer is not entitled to provide the hydrogen volume to be injected hourly and RGSW shall not be obligated to take over this hydrogen volume if the changeover time is not observed by the storage customer.
- (3) RGSW shall not be obligated to provide the hydrogen volume to be withdrawn hourly and the storage customer shall not be entitled to take over such hydrogen volume if the changeover time is not observed by the storage customer.

§ 4 Employment of Working Gas Volumes

- (1) The storage customer has to assure that the requirements in mining law regarding the employment of the *working gas volume* are observed.
- (2) The requirements to be observed by the storage customer for the employment of the *working gas volume* shall be contingent on the contracted *storage capacities* and shall be agreed with the storage customer in the storage contract.

§ 5 Entry point and exit point of the transport network

- (1) The exit point of the transportation network assigned to the *storage injection point* within the meaning of Article 2 of the GTC is published by the adjacent hydrogen network operator for the respective storage facility.

In case of the hydrogen storage facility Gronau-Epe: “Gronau-Epe”.

The adjacent hydrogen grid operators are: Open Grid Europe GmbH and Nowega GmbH.

- (2) The entry point of the transportation network assigned to the *storage withdrawal point* within the meaning of Article 2 of the GTC is published by the adjacent hydrogen network operator for the respective storage facility.

In case of the hydrogen storage facility Gronau-Epe: “Gronau-Epe”.

The adjacent hydrogen grid operators are: Open Grid Europe GmbH und Nowega GmbH.

§ 6 Hydrogen quality

The quality of the hydrogen volumes provided by the storage customer at the *storage injection point* for delivery and the quality of the hydrogen volumes provided by RGSW at the *storage withdrawal point* for offtake shall comply with the applicable rules of DVGW Code of Practice G260 (“5th gas family”), Group A, as amended from time to time.

§ 7 Pressure

- (1) The storage customer must provide RGSW the hydrogen volumes to be injected at the *storage injection point* at a pressure within the permissible pressure ranges, thus enabling RGSW to take and inject the hydrogen volumes. RGSW must take over from the storage customer the hydrogen volumes to be injected at the *storage injection point* at a pressure within the permissible pressure ranges, thus enabling the storage customer to inject the hydrogen volumes and deliver them to RGSW.
- (2) RGSW must provide the storage customer the hydrogen volumes to be withdrawn at the *storage withdrawal point* at a pressure within the permissible pressure ranges, thus enabling the storage customer to take over the hydrogen volumes and inject them in the adjacent hydrogen transmission network. The storage customer must take over from RGSW the hydrogen volumes to be withdrawn at the *storage withdrawal point* at a pressure within the permissible pressure ranges, thus enabling RGSW to withdraw the hydrogen volumes.
- (3) In terms of the permissible pressure ranges pursuant to paragraphs (1) and (2) the pressure requirements currently published by the adjacent hydrogen network operator for the *storage injection* or *storage withdrawal point* shall be applicable.