

**Technical Manual of BEB Speicher GmbH, Hanover
("Technical Manual Storage")**

as of April 1, 2007

Introduction

The purpose of this *technical manual storage* is to specify technical key figures for *BEB's* storage services.

The definitions as set forth in the General Terms and Conditions of BEB Speicher GmbH for the storage of natural gas quantities ("*GT&Cs*") shall apply. Defined terms are set forth in italics. References to the singular include the plural and vice versa unless otherwise explicitly stated or result from the context.

No deviations from this *technical manual storage* shall apply unless such deviations are expressly agreed by *BEB* in writing.

When concluding a *storage contract* this *technical manual storage* becomes part of the storage contract.

1. Bundled services

Bundled services consisting of *working gas volume*, *withdrawal rate* and *injection rate* can be contracted in a fixed ratio for each specific *storage*.

	Working gas volume	Withdrawal Rate	Injection Rate
Dötlingen	1,000 m ³ (V _n)	0.50 m ³ (V _n)/h	0.49 m ³ (V _n)/h
Uelsen	1,000 m ³ (V _n)	0.47 m ³ (V _n)/h	0.36 m ³ (V _n)/h
Harsefeld	1,000 m ³ (V _n)	2.29 m ³ (V _n)/h	0.68 m ³ (V _n)/h

2. Minimum injection and withdrawal rates

The *storages* of *BEB* are designed for big volumes and capacities. Due to technical restrictions minimum *injection* and *withdrawal rates* are required for the *storage* facilities.

The following minimum figures currently apply:

Storage	Min. injection rate	Min. withdrawal rate
Dötlingen	180,000 m ³ (V _n)/h	80,000 m ³ (V _n)/h
Uelsen	100,000 m ³ (V _n)/h	70,000 m ³ (V _n)/h
Harsefeld	20,000 m ³ (V _n)/h	23,000 m ³ (V _n)/h

3. Injection and Withdrawal Curves

3.1 General

The applicable *injection curve* and *withdrawal curve* for the storages Dötlingen, Uelsen and Harsefeld for the current and next *storage year* are defined in paragraphs 3.2 to 3.4 of this Section 3.

Injection curves and/or *withdrawal curves* for *storage contract* periods longer than the periods provided for the *injection curve* and/or *withdrawal curve* as laid down in this *technical manual storage* will be provided by *BEB* on request.

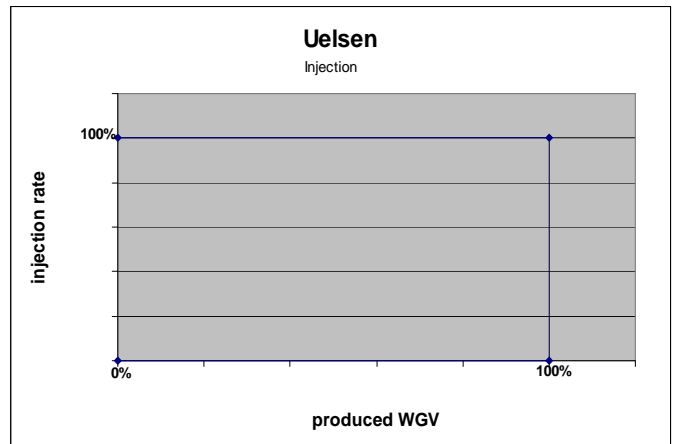
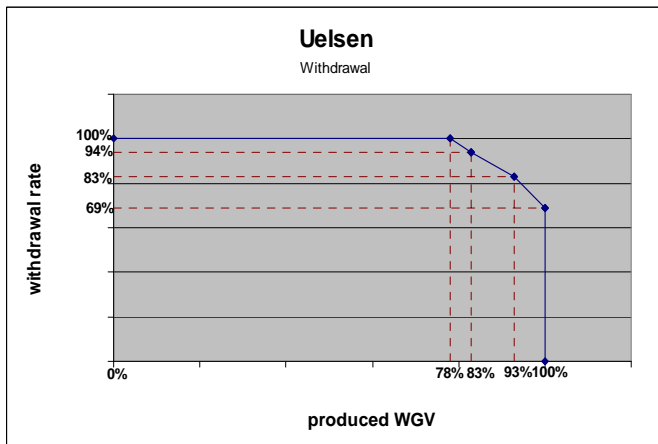
3.2 Dötlingen storage

The *withdrawal curve* and *injection curve* for the underground storage Dötlingen are currently under development.

3.3 Uelsen storage

Withdrawal
in *storage gas year*
2008/2009

Injection
in *storage gas years*
2008/2009 – 2009/2010

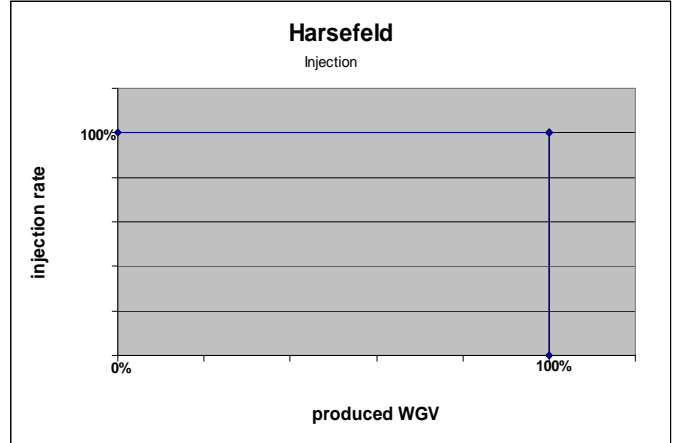
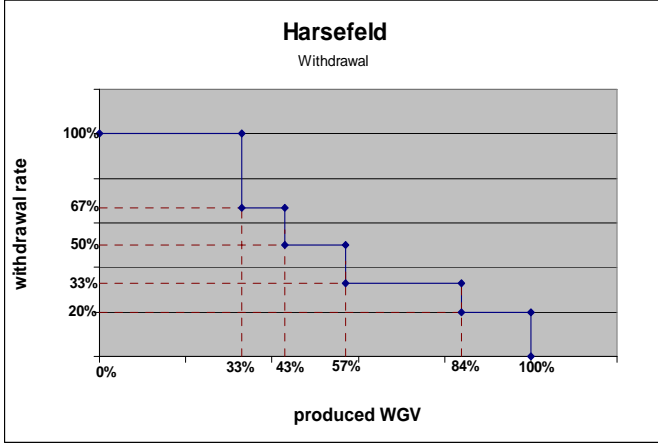


The *withdrawal curve* for the underground storage Uelsen in *storage gas year* 2009/2010 is currently under development.

3.4 Harsefeld storage

Withdrawal
in *storage gas years*
2008/2009 – 2009/2010

Injection
in *storage gas years*
2008/2009 – 2009/2010



4. Change-over and Startup Periods of storages

Due to technical restrictions change-over and startup periods are required for the *storage* facilities.

The following change-over and startup periods shall apply:

4.1 Dötlingen storage

Operating condition	Withdrawal route warm to full-load withdrawal	Injection Operation up to available withdrawal rate	Readiness for injection up to full load injection	Withdrawal operation up to available injection rate
Startup time until full load achieved	2 h	18 h	2 h	6 h

4.2 Uelsen storage

Operating condition	Withdrawal route warm to full-load withdrawal	Injection operation up to available withdrawal rate	Readiness for injection up to full load injection	Withdrawal operation up to available injection rate
Startup time until full load	4 h	5 h	4 h	6 h

4.3 Harsefeld storage

Operating condition	Withdrawal route warm to full-load withdrawal	Injection operation up to available withdrawal rate	Readiness for injection up to full load injection	Withdrawal operation up to available injection rate
Startup time until full load achieved	0.5 h	0.75 h	0.5 h	0.75 h