

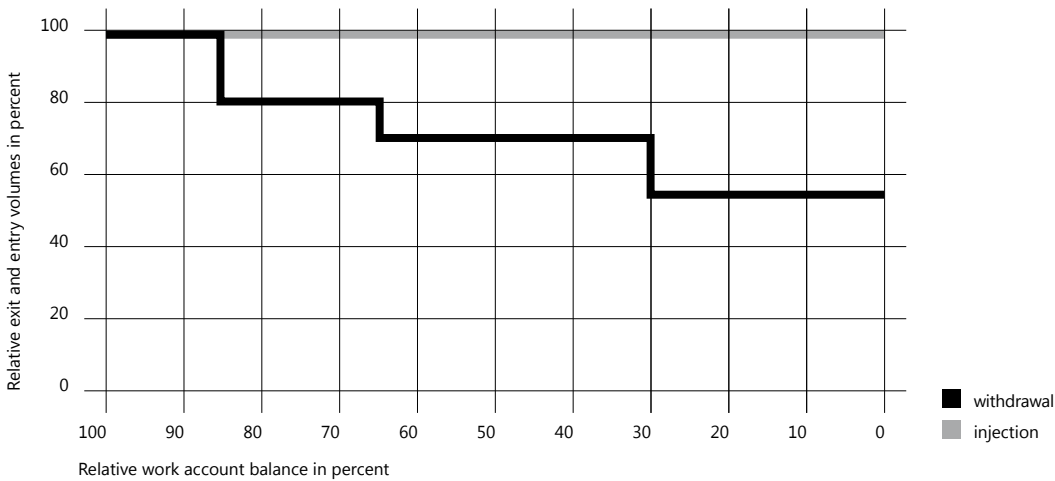


Appendix 3

Exit and Entry Characteristic Curves UGS Allmenhausen

The maximum extractable exit and entry capacity that is available to the storage user depends on the total working gas level and the primary pressure made available to the UGS Allmenhausen by the upstream grid operator. The characteristic curve is based on grid pressures of 40 bar_ü in terms of injection and 15 bar_ü in terms of withdrawal. Using the following characteristic curves as well as the calculation formulae, the maximum extractable exit and entry capacity can be determined.

Characteristic Curves



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Calculation		
AGV _{total}	ASL _{SK max}	ESL _{SK max}
100 percent – 85 percent	$ASL_{SK max} = ASL_{SK contract}$	$ESL_{SK max} = ESL_{SK contract}$
< 85 percent – 65 percent	$ASL_{SK max} = ASL_{SK contract} \cdot 0,80$	$ESL_{SK max} = ESL_{SK contract}$
< 65 percent – 30 percent	$ASL_{SK max} = ASL_{SK contract} \cdot 0,70$	$ESL_{SK max} = ESL_{SK contract}$
< 30 percent – 0 percent	$ASL_{SK max} = ASL_{SK contract} \cdot 0,54$	$ESL_{SK max} = ESL_{SK contract}$

Definition of terms

- AGV_{total}** Total working gas level of the UGS Allmenhausen in percent, daily online disclosure
- ASL_{SK max}** Maximum possible entry capacity of the storage user in dependence of the filling level in kWh
- ASL_{SK contract}** Maximum possible entry capacity in accordance with contract in kWh
- ESL_{SK max}** Maximum possible exit capacity of the storage user in dependence of the filling level in kWh
- ESL_{SK contract}** Maximum possible exit capacity in accordance with contract in kWh