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Technical Rule

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Well management - operation of water catchment

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DVGW German Technical and Scientific Association for Gas and Water

Josef-Wirmer-Str.1-3

D-53123 Bonn

Telefon: +49 (0) 228 9188-5

Telefax: +49 (0) 228 9188-990

E-Mail: info@dvgw.de

Internet: www.dvgw.de

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Distribution: Wirtschafts- und Verlagsgesellschaft Gas und Wasser mbH, Josef-Wirmer-Str.3, 53123 Bonn

Telefon: +49 (0) 228 9191-40 · Telefax: +49 (0) 228 9191-499

E-Mail: info@wvgw.de · Internet: www.wvgw.de

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Warning

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Anybody is free to use the DVGW system of rules. Users are responsible for the proper use of the DVGW system of rules in each individual case.

Preamble

This Code of Practice was prepared by a project group of the "Water Abstraction" Technical Committee. It shall serve as a basis for the optimised operation of bored wells used to obtain water with respect to hydrogeological, technical and economic aspects and should therefore be taken into consideration even during planning phase.

Alongside general performance requirements, the management of wells should be adapted to the hydrogeological and hydrochemical conditions of the site and also to the specific technical demands of the installation. This includes the optimisation of operational and economical aspects of technical installations, such as the well casing, closing-off structure, pipe line and energy supply, but also the natural properties of the aquifer and the catchment area of the well which in terms of time and space are subject to variation.

Based on the technical System of Rules of the DVGW, this Code of Practice is intended to present an overview of fundamental requirements, measures and data surveys to enable the technically and economically efficient operation of the well. Regular evaluation of operating data will help to optimise well operation and also the planning and implementation of measures aimed at value preservation, such as reconditioning and modernisation measures. Economic efficiency analyses can be used on the basis of operating data in order to assess the technical and economic merits of measures vis-à-vis a new construction of the water catchment and to optimise its operation.

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