



GERMAN DWA Set of Rules

plus further publications and information

English Version

April 2014



Contents

German DWA Set of Rules

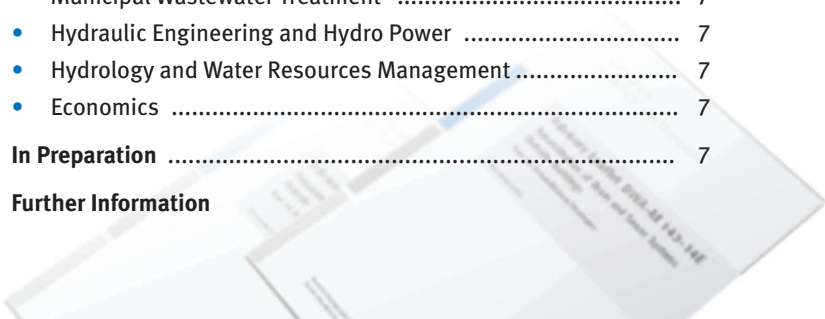
• Drain and Sewer Systems	3
• Municipal Wastewater Treatment	5
• Recycling Management, Energy and Sewage Sludge.....	6
• Hydraulic Engineering and Hydro Power	6
• Hydrology and Water Resources Management	6
• Economics	6
• Law	7

DWA-Topics

• Municipal Wastewater Treatment	7
• Hydraulic Engineering and Hydro Power	7
• Hydrology and Water Resources Management	7
• Economics	7

In Preparation	7
-----------------------------	---

Further Information



German DWA Set of Rules Drain and Sewer Systems

DWA-A 100E

Guidelines of Integrated Urban Drainage (IUD)

ATV-A 106E

Design and Construction of Wastewater Treatment Systems

ATV-DVWK-A 110E

Hydraulic Dimensioning and Performance Verification of Sewers and Drains (New German version available: DWA-A 110, 8/2005)

DWA-A 116-1E

Special Sewerage Systems — Part 1: Vacuum Sewerage Systems Outside Buildings

Joint publication DIN EN 1091 „Vacuum Sewerage Systems Outside Buildings“ and Standard DWA-A 116-1E „Special Sewerage Systems – Part 1: Vacuum Sewerage Systems Outside Buildings“ (available on paper – not part of this English CD-ROM)

DWA-A 116-2

Special Sewerage Systems — Part 2: Pressure Sewerage Systems Outside Buildings
Joint publication DIN EN 1671 „Pressure Sewerage Systems Outside Buildings“ and Standard DWA-A 116-2E „Special Sewerage Systems – Part 2: Pressure Sewerage Systems Outside Buildings“ (available on paper – not part of this English CD-ROM)

DWA-A 118E

Hydraulic Dimensioning and Verification of Drain and Sewer Systems

DWA-A 125E

Pipe Jacking and Related Techniques

Joint publication DIN EN 12889 „Trenchless Construction and Testing of Drains and Sewers“ and Standard DWA-A 125E „Pipe Jacking and Related Techniques“ (**New:** available on paper – not part of this English CD-ROM)

ATV-M 127-2E

Static Calculation for the Rehabilitation of Drains and Sewers Using Lining and Assembly Procedures — Supplement to Standard ATV-A 127E

ATV-A 128E

Standards for the Dimensioning and Design of Stormwater Structures in Combined Sewers

ATV-DVWK-A 134E

Planning and Construction of Wastewater Pumping Stations

DWA-A 138E

Planning, Construction and Operation of Facilities for the Percolation of Precipitation Water

DWA-A 139E

Construction and Testing of Drains and Sewers
Joint publication DIN EN 1610 „Construction and Testing of Drains and Sewers“ and Standard DWA-A 139E „Construction and Testing of Drains and Sewers“ (**New:** available on paper – not part of this English CD-ROM)

ATV-DVWK-A 142E

Sewers and Drains in Water Catchment Areas

German DWA Set of Rules – Publications – Information

ATV-M 143-6E

Inspection, Repair, Rehabilitation and Replacement of Sewers and Drains – Part 6: Leak Testing of Existing, Earth Covered Sewers and Drains and Shafts Using Water, Air Overpressure and Vacuum

DWA-M 143-14E

Rehabilitation of Drain and Sewer Systems Outside Buildings – Part 14: Rehabilitation Strategies

DWA-M 143-17E

Rehabilitation of Drain and Sewer Systems Outside Buildings – Part 17: Coating Wastewater Conduits, Pipes and Shafts with Cement-bonded Mortars

DWA-M 144-3E **New**

Supplementary Technical Contract Conditions (ZTV) for the Rehabilitation of Drainage Systems outside of Buildings – Part 3: Renovation with Hose Liner Process (locally cured hose liner) for Sewers

ATV-DVWK-M 145E

Setting-up and Application of Sewer Information Systems

DWA-M 149-2E

Conditions and Assessment of Drain and Sewer Systems Outside Buildings – Part 2: Visual Inspection Coding System

DWA-M 149-3E

Conditions and Assessment of Drain and Sewer Systems Outside Buildings – Part 3: Condition Classification and Assessment

DWA-M 149-4E

Conditions and Assessment of Drain and Sewer Systems Outside Buildings – Part 4: Detection of Bedding Defects and Cavities by Means of Geophysical Techniques

DWA-M 153E

Recommended Actions for Dealing with Stormwater

ATV-DVWK-A 157E

Sewer System Structures

ATV-A 161E

Structural Calculation of Driven Pipes

DWA-M 180E

Framework for Planning of Real Time Control of Sewer Networks

ATV-DVWK-M 197E

Invitation to Tender for Sewer Cleaning Services Using the High Pressure Flushing Process

ATV-DVWK-A 198E

Standardisation and Derivation of Dimensioning Values for Wastewater Facilities

DWA-A 199-1E **New**

Service and Operating Instructions for the Personnel of Wastewater Systems – Part 1: Service Instructions for the Personnel of Wastewater Systems

ATV-A 200E

Principles for the Disposal of Wastewater in Rurally Structured Areas

Municipal Wastewater Treatment

DWA-M 114E **New**

Energy from Wastewater – Thermal and Potential Energy

ATV-DVWK-A 131E

Dimensioning of Single Stage activated Sludge Plants
Corresponding software „**Activated Sludge Expert**“ is available on our website.

ATV-DVWK-A 198E

Standardisation and Derivation of Dimensioning Values for Wastewater Facilities

DWA-A 199-1E **New**

Service and Operating Instructions for the Personnel of Wastewater Systems – Part 1: Service Instructions for the Personnel of Wastewater Systems

DWA-A 199-2E

Part 2: Operating Instructions for the Personnel of Sewerage Systems and Stormwater Treatment Systems

DWA-A 199-3E

Part 3: Operating Instructions for the Personnel of Wastewater Pumping Installations

DWA-A 199-4E

Part 4: Operating Instructions for the Personnel of Wastewater Treatment Plants

ATV-A 200E

Principles for the Disposal of Wastewater in Rurally Structured Areas

ATV-DVWK-A 202E

Chemical-Physical Methods
(New German version available: DWA-A 202, 5/2011)

ATV-A 203E

Wastewater Filtration Using Space Filters following Biological Treatment

ATV-M 204E

Status and Application of Emission Reduction Technology with Sewage Treatment Plants – Odours, Aerosols

ATV-DVWK-M 206E

Automation of Chemical Phosphate Removal

ATV-DVWK-M 265E

Regulation of Oxygen Transfer with the Activated Sludge Process

DWA-M 269E

Process Analysis Equipment for Nitrogen, Phosphorus and Carbon in Wastewater Treatment Systems

ATV-DVWK-A 281E

Dimensioning of Trickling Filters and Rotating Biological Contactors

DWA-A 704E

Operating Methods for Wastewater Analysis

Recycling Management, Energy and Sewage Sludge

[ATV-DVWK-M 362-2E](#)

Handling of Dredged Material – Part 2: Case Studies

[ATV-DVWK-M 368E](#)

Biological Stabilisation of Sewage Sludge

[ATV-DVWK-M 374E](#)

Production Specific Wastewater and Waste from the Glass and Mineral Fibre Industry

[DWA-M 376E](#)

Safety Regulations for Biogas Holders with Membrane Seals

[ATV-DVWK-M 379E](#)

Drying of Sewage Sludge

[DWA-M 381E](#)

Sewage Sludge Thickening

Hydraulic Engineering and Hydro Power

[ATV-DVWK-M 503E](#)

Basic Information on Investigation and Remediation of Tailings Impoundments

[DWA-M 507-1E](#) **New**

Levees Built Along Watercourses – Part 1: Planning, Construction and Operation

Hydrology and Water Resources Management

[DWA-A 117E](#)

Dimensioning of Stormwater Holding Facilities (New German Version available December 2013)

[DWA-A 138E](#)

Planning, Construction and Operation of Facilities for the Percolation of Precipitation Water

[DWA-A 704E](#)

Operating Methods for Wastewater Analysis

Economics

[DWA-A 133E](#)

Valuation of Wastewater Systems – Systematic Recording, Assessment and Updating

[DWA-M 801E](#)

Integrated Quality and Environmental Management System for Operators of Wastewater Facilities

[DWA-M 803E](#)

Cost Structures in Sewage Engineering

[DWA-M 804E](#)

Assurance of the Quality and Economic Efficiency of Wastewater and Waste Facilities also with the Performance of Tasks by Third Parties (10/2007)

[ATV-DVWK-M 807E](#)

Allocation of Production Costs and Maintenance Expenditure for Sewage Plants

[DWA-M 1100E](#)

Benchmarking in Water Supply and Wastewater Disposal

Law

[DWA-A 400E](#)

Principles for the Preparation of DWA Rules and Standards

DWA Topics

Municipal Wastewater Treatment

[DWA-Topics](#)

Anthropogenic Trace Pollutants in the Water Cycle — Pharmaceuticals

Hydraulic Engineering and Hydro Power

[ATV-DVWK-Topics](#)

Fish Protection Technologies and Downstream Fishways — Dimensioning, Design, Effectiveness Inspection

Hydrology and Water Resources Management

[DWA-Topics](#)

Treatment of Industrial Wastewater and Process Water with Membrane Processes and Membrane Bioreactor Technology

[DWA-Topics](#)

Treatment Steps for Water Reuse (former title: Assessment of Process Steps for the Treatment of Wastewater for Reuse)

Economics

[DWA-Topics](#)

Corporate Benchmarking – Metric Benchmarking as Component of the Modernisation Strategy — Performance Indicators and Evaluation Principles

[DCCC-Guidelines](#) **New**

Dynamic Cost Comparison Calculations for selecting least-cost projects in Water Supply and Wastewater Disposal
DCCC — Appraisal Manual for Project Designers

In Preparation

[DWA-M 514E](#)

Monitoring of Reservoirs and Dams

[DWA-M 512-1E](#)

Sealing Systems in Hydraulic Engineering Part 1: Earthwork Structures

[DWA-M 386E](#)

Thermal Treatment of Sewage Sludge – Mono-Incineration

[DWA-M 387E](#)

Thermal Treatment of Sewage Sludge – Co-Incineration in Power Plants

GERMAN DWA Set of Rules plus further publications and information English Version

System requirements

- Web Browser (Internet Explorer, Firefox etc.)
- Adobe Reader[®]

The technical standards combined on this CD ROM present technical solutions with the background of German legislation.

Taking into account the respective national laws, the German DWA Set of Rules offers the user operating abroad comprehensive information on and approaches to solutions.

On the inside you will find a summary of the DWA Standards, Advisory Guidelines, Topics and further information contained on the CD ROM.

© DWA 2014



German Association for Water, Wastewater and Waste
Deutsche Vereinigung für Wasserwirtschaft, Abwasser und Abfall e. V.
Theodor-Heuss-Allee 17 · 53773 Hennef · Germany
Tel.: +49 2242 872-333 · Fax: +49 2242 872-100
E-Mail: info@dwa.de · Internet: www.dwa.de