



GERMAN DWA Rules and Standards plus further publications and information English Version

April 2012



Contents

German DWA Rules and Standards

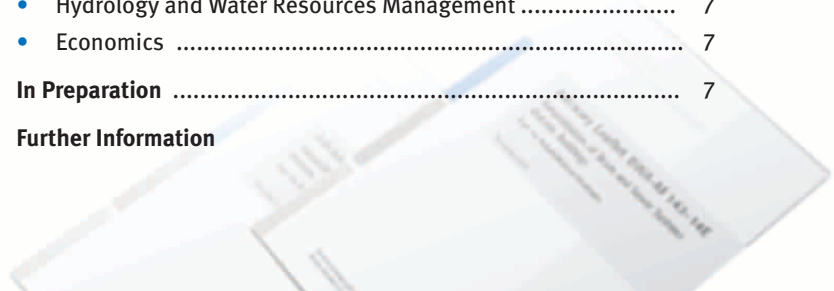
• Drain and Sewer Systems	3
• Municipal Wastewater Treatment	5
• Waste and Sewage Sludge	6
• Hydraulic Engineering and Hydro Power	6
• Hydrology and Water Resources Management	6
• Economics	6

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 Rules and Standards

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 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 Rules and Standards – 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 143-20E](#)

Rehabilitation of Drain and Sewer Systems Outside Buildings – Part 20: Testing and Evaluation of Rehabilitation Methods; Requirements, Test Criteria and Test Recommendations – Lining with Cured-in-place Pipes and Short Liners

[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

[ATV-DVWK-A 199-1E](#)

Service and Operating Instructions for the Personnel of Wastewater Systems – Part 1: Service Instructions for the Personnel of Wastewater Systems (New German version available: DWA-A 199-1, 11/2011)

[ATV-A 200E](#)

Principles for the Disposal of Wastewater in Rurally Structured Areas

Municipal Wastewater Treatment

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

ATV-DVWK-A 199-1E

Service and Operating Instructions for the Personnel of Wastewater Systems – Part 1: Service Instructions for the Personnel of Wastewater Systems (New German version available: DWA-A 199-1, 11/2011)

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-M 205E

Disinfections of Biologically Treated Wastewater

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

Waste 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

Hydrology and Water Resources Management

DWA-A 117E

Dimensioning of Stormwater Holding Facilities

DWA-A 138E

Planning, Construction and Operation of Facilities
for the Percolation of Precipitation Water
Industrial Wastewater/System-related Water
Pollution Control

DWA-A 704E

Operating Methods for Wastewater Analysis

Economics

DWA-A 133E

Valuation of Wastewater Systems — Systematic
Recording, Assessment and Updating

DWA-M 801E **New**

Integrated Quality and Environmental Management
System for Operators of Wastewater Facilities

DWA-M 803E **New**

Cost Structures in Sewage Engineering

DWA-M 804E **New**

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 **New**

Benchmarking in Water Supply and Wastewater
Disposal

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 150E](#)

Data Transfer Format – Part 1: Conditions of Drain and Sewer Systems

[DWA-A 400E](#)

Principles for the Preparation of DWA Rules and Standards

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

Dikes on Watercourses – Part 1: Planning, Construction and Operation

[DWA-M 514E](#)

Structural Inspection of Dams

GERMAN DWA Rules and Standards and further 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 Set of Rules and Standards 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 Leaflets, Topics and further information contained in the CD ROM.

© DWA 2012



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