

# Membrane Applications for Water Reuse

First Edition



**American Water Works  
Association**

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## Membrane Applications for Water Reuse

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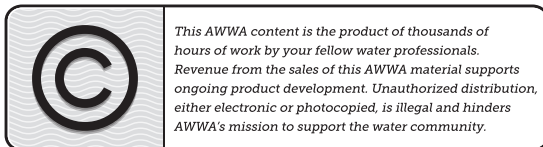
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# Abbreviations

ACH	aluminum chlorohydrate
ANL	Argonne National Laboratory
ANSI	American National Standards Institute
AOC	assimilable organic carbon
AOP	advanced oxidation process
ASR	aquifer storage and recovery
AWT	advanced water treatment
AWWA	American Water Works Association
BAC	biologically active carbon
BIRM	biological immune response modulator
BNR	biological nutrient removal
BOD	biological oxygen demand
CA	cellulose acetate
Ca(OCl) <sub>2</sub>	calcium hypochlorite
CEC	chemicals of emerging concern
CIP	clean in place
COC	cycles of concentration
COD	chemical oxygen demand
CTA	cellulose triacetate
DAF	dissolved air flotation
DALY	disability-adjusted life year
DOE	Department of Energy
DPR	direct potable reuse
EC	electrical conductivity
ED	electrodialysis
ED–EDR	electrodialysis–electrodialysis reversal
EDC	endocrine-disrupting chemical
EDR	electrodialysis reversal
efOM	effluent organic matter
ESA	Endangered Species Act
FAC	free available chlorine
FeCl <sub>3</sub>	ferric chloride
GRRP	groundwater recharge reuse projects
GWI	Global Water Intelligence
GWRRDR	Groundwater Replenishment Reuse Draft Regulation
HPM	high-pressure membrane
IMS	integrated membrane system