

PUBLISHED ARTICLES

AUTHORED BY

PETER S. CARTWRIGHT, P.E.

(In Reverse Chronological order)

2017

“Membrane Treatment Technologies for Wastewater Treatment” – Filtration News
www.filtnews.com
April 2017

2016

“Brine Recovery from Water Softening Process” – Filtration News www.filtnews.com
January/February 2016 Volume 35 No. 1

2015

“New Water Treatment Technologies Under Development” – Filtration News
www.filtnews.com
November/December 2015 Volume 34 No. 6

“Zero Liquid Discharge of Bakery Wastewater” – EA Water Magazine www.eawater.com
September 2015

“A Look at the Present and Into the Future of Potable Water Treatment” – Water Conditioning & Purification www.wcponline.com
June 2015

“Mitigating Membrane Fouling” – Filtration News www.filtnews.com
May/June 2015 Volume 34 No.3

“Fluid Treatment: Skids and Packages” – Water Conditioning & Purification
www.wcponline.com and www.agualatinoamerica.com
January 2015

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2014

“Cooling Tower Blowdown Reuse” – Water and Wastewater International
www.wwinternational.com
October-November 2014

2013

“Cooling Tower Blowdown Treatment and Reuse – A ZLD Case History”, Water Conditioning & Purification www.wcponline.com
November 2013

“The Role of Membrane Technologies in Water Reuse Applications”, Desalination and Water Treatment www.deswater.com
February 2013

2012

“Power Plant Wastewater Reuse – A Case History”, Filtration News Magazine
November/December 2012

“Examining Scaling Indices – What are They?”, Industrial WaterWorld Magazine
November/December 2012 Co Author: Paul Puckorius

“Pretreatment Technologies for Reverse Osmosis and Nanofiltration”, The Analyst Published by AWT
Summer 2012

“Pretreatment Technologies for Reverse Osmosis and Nanofiltration”, EverythingAboutWater Magazine, Indepth – Filtration & Separation Section
February 2012

“Reverse Osmosis Technology – Not Just for Water Purification”, Water Conditioning & Purification Magazine
January 2012

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“Reverse Osmosis Membrane Processing – Applications Insights”, Pollution Engineering Magazine
January 2012

“An Introduction to Membrane Bioreactor (MBR) Technology” – Minnesota Onsite Wastewater Association – The Little Digger a bi-monthly publication
December 2011/January 2012

2011

“Water Reuse – The Challenges and Options”, Water Conditioning & Purification Magazine
November 2011

“Membrane Treatment Technologies for Water Reuse” – The Analyst Technology Supplement
Fall 2012

“Rainwater Harvesting – An Untapped Resource”, Water Conditioning & Purification Magazine
July 2011

“Membrane Treatment Technologies for Water Reuse”, Filtration News Magazine
April 2011

“Graywater Reuse”, Clean India Journal
March 2011

2010

“Arsenic in Well Water”, H₂O Quality Magazine – Texas Water Quality Association
Fall 2010

“Cartridge Filtration”, Everything About Water Magazine
July 2010

“Rainwater Harvesting. Part 2: Treating Harvested Rainwater and System Design”, Plumbing Systems & Designs
July/August 2010

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“Rainwater Harvesting. Part 1: Why and How to Use Harvested Rainwater”, Plumbing Systems & Designs
June 2010

“Pretreatment Technologies for Reverse Osmosis and Nanofiltration”, Water Conditioning & Purification Magazine
April 2010

“Problem: Well Water”, Water Conditioning & Purification Magazine
April 2010

“Membrane Maintenance, The Key to Enhance Filtration”, Chemical World Magazine
January 2010

“New Developments in Membrane - Based Processes for Industrial Applications”, “The Science and Technology of Industrial Water Treatment”
Book Chapter – Edited by Zahid Amjad, IWA Publishing and CRC Press, Taylor and Francis Group, 2010

2009

“Removal of Toxic Arsenic and Antimony from Groundwater Spiro Tunnel Bulkhead in Park City Utah Using Colloidal Iron Hydroxide: Comparison with Reverse Osmosis”, Advanced Materials Research Vols. 83-86 (2010) pp 553-562 © (2010) Trans Tech Publications, Switzerland doi: 10.4028/www.scientific.net/AMR.83-86.553
December 2009
Co-Authors: Z. Pawlak, A. Oloyede and E. Bayraktar

“Acids and Bases”, Water Conditioning & Purification
November 2009

“Chemical Bonds in Water”, Water Conditioning & Purification
October 2009

“Molecules and Compounds”, Water Conditioning & Purification
September 2009

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“Elements, Atoms and Molecules”, Water Conditioning & Purification
August 2009

“Membrane Technologies”, Cooler Water Purification
August 2009

“The Periodic Table”, Water Conditioning & Purification
July 2009

“Corrosion Issues”, Communiqué – Canadian Water Quality Association
May 2009

“Iron and Manganese in Well Water”, National Ground Water Association,
May 2009

“Graywater”, Water Conditioning & Purification,
April 2009

“Water Treatment & Wastewater Reuse” Case Study, Everything About Water,
April 2009

“Rainwater Harvesting – An Untapped Resource”, Water Conditioning & Purification,
April 2009

“Spiral-Wound RO Membrane3 Element Pretreatment”, Communiqué – Canadian Water Quality Association April 2009

“Boron in Well Water”, National Ground Water Association,
March 2009

“Rainwater Harvesting – An Untapped Water Resource”, Water Conditioning & Purification,
March 2009

“Strontium in Well Water”, National Ground Water Association,
March 2009

“Uranium in Well Water”, National Ground Water Association,
March 2009

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2008

“Industrial Water Reuse – A looming Necessity”, Pennwell Water Group
December 2008

“The Science & Technology of Water Treatment”, Book Chapter
October 2008

“Microorganisms in Well Water”, National Ground Water Association,
October 2008

“Toilet to Tap”: Is it Feasible?, Canadian Water Treatment Magazine
October 2008

“Membranes” “Water reuse / Recycle in an Electroplating Facility – A Case History”, Ultrapure Water, September 2008

“Nitrates in Well Water”, National Ground Water Association,
September 2008

“Radon in Well Water”, National Ground Water Association,
September 2008

“MBR Technology”, Filtration News Magazine,
July/August 2008

“Arsenic in Well Water”, National Ground Water Association,
July 2008

“Water Treatment and Reuse in Commercial / Industrial Applications”, Water Conditioning & Purification, July 2008

“Plating Wastewater Reuse – An Innovative System Design” – Membranes, March 2008

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2007

“CSA B483 – The Ultimate Canadian POU/POE Standard?”, Water Conditioning & Purification, December 2007

“Residential Drinking Water Treatment”, Cooler Innovation, April/May 2007 - part 1, June/July 2007 - part 2, August/September - part 3

“Water Reuse with Membrane Technologies – An Update”, The Analyst, Fall 2007

“An Emerging Innovative Disinfection Technology”, Filtration News, July/August 2007

“Water Reuse Technologies: The Wave of the Future” Water Conditioning & Purification – Part 1, May 2007, Part 2, June 2007

“Pumping Requirements for Membrane Technologies” Pumps and Systems Magazine, April 2007

“The Latest in Water Treatment Instrumentation” Water Conditioning & Purification Magazine, April 2007

“POU/POE Treatment in North America - Market and Technology Trends” The issues Water Conditioning and Purification Magazine, February 2007

2006

“Ultrapure water production: The inside story, Cleanrooms, September 2006

“POU RO – A thing of the past?”, Water Conditioning & Purification Magazine, July 2006

“MBR Technology – The advantages of membrane bioreactor systems”, Process Engineer Magazine, June 2006

“Construction Guidelines For Water Treatment Systems”, Industrial Water World, May/June 2006

“Water Reuse”, Processing Magazine, April 2006

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(In Reverse Chronological order)

“Everything you wanted to know about water reuse but were afraid to ask”, Processing Magazine, April 2006

“Membrane Technologies For Wastewater Reuse – The Challenges”, Filtration News, March/April, 2006

“Process Water Treatment – Challenges and Solutions”, Chemical Engineering Magazine, March 2006

2005

“A Review of Membrane Technologies for Water Reuse Applications”, Ultrapure Water, October, 2005.

“Process Water Supply – The Big Picture” (Part 1), Chemical Engineering, May, 2005.

“Water Purification versus Waste Water Reuse- The Common Denominator”, Water Conditioning & Purification, May, 2005.

2004

“AquaTech 2004 – A View From The Trenches”, Water Conditioning & Purification, November, 2004

“The Overlooked Oasis,” Water & Wastewater Products, October 2004, with George Alter.

“Membranes for Process Water Reuse,” Chemical Engineering, June 2004.

“The Encyclopedia of Water”, The Encyclopedia of Water, June 2004

“Institutional Requisites for Efficient Water Markets”, The Encyclopedia of Water, June 2004

“Demystifying Membrane Technology – Part II,” Environmental Protection, May 2004.

“Brackish Water Desalting,” Water Conditioning & Purification, April 2004.

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“Membrane Fouling – A Primer,” Filtration News, March/April 2004.

“Industrial Show Hits Jackpot,” Water Conditioning & Purification, February 2004.

“Same Place Next Year – International Water Conference 2003,” Water Conditioning & Purification, January 2004.

2003

“Speciation of Arsenic in Groundwater & Technologies for Removal of Arsenic in Drinking Water in the Spiro Tunnel Bulkhead, Park City, Utah, USA”
(w/ Z.Pawlak, G. Rabiega, L. Scanlon), ARS SEPARATORIA ACTA, No. 2, 2003.

“Water Recycling: A look Into The Near Future,” Water Conditioning & Purification, December 2003.

“Membrane Fouling – A Primer,” Asian Water, November 2003.

“Nanofiltration – When It Works For The Whole House,” Water Conditioning & Purification, November 2003.

“HPC Bacteria Issues and Their Effect On The POU Industry,” Water Conditioning & Purification, September 2003.

“Demystifying Membrane – Part I,” Environmental Protection, July/August 2003.

“The Latest in Membrane Technologies For Wastewater and Chemical Processing Applications,” Fluid/Particle Separation Journal, July 2003.

“Wastewater Meets Membranes,” Chemical Processing, March 2003.

“Membrane Technologies for Wastewater and Chemical Processing Applications,” Water Conditioning & Purification, February 2003.

“A Strategic Vision for the WQA,” Water Conditioning & Purification, February 2003.

“Membrane Separation Technology,” Industrial Water World, January/February, 2003.

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PETER S. CARTWRIGHT, P.E.

(In Reverse Chronological order)

“Guide to Selecting Membrane Separation Technologies,” Industrial Water World, January/February 2003.

2002

“The Latest in Membrane Technologies for Wastewater and Chemical Processing Applications,” Water Technology News, December, 2002.

“Membranes for Wastewater Treatment – Polymer and Device Configuration,” Filtration News, November/December 2002.

“Fouling Phenomena- Clearing up the Confusion,” Water Conditioning & Purification, March 2002.

2001

“From Toilet to Tap– The Ultimate in Water Reuse,” Water Conditioning & Purification, November 2001.

“RO Water from POU Units – The Real Story,” Water Conditioning & Purification, September 2001.

“Effective Presentations Make up for Small Numbers at NSF International Symposium in the Nation’s Capitol,” Water Conditioning & Purification, July 2001.

2000

“AquaTech 2000 – A Review of the World’s Largest Water Conference,” Water Conditioning & Purification, March 2000.

“Pesticides – Problems and Cures for Drinking Water,” Water Conditioning & Purification March 2000.

“The Challenge of Membrane Maintenance,” Water Quality Products, February 2000.

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“Drinking Water Quality and the Power of Public Perception,” Water Conditioning & Purification, February 2000.

1981 - 1999

“System Maintenance-An Overview of Sanitization Concerns in the Semiconductor Industry,” Ultrapure Water, December 1999.

“Aquatech '98 – A View from Amsterdam,” Water Conditioning & Purification, December 1998.

“Membrane Technologies in Precision Cleaning Applications,” Ultrapure Water, October 1998.

“Review of First Symposium on Global Transfer of Water Treatment Technologies,” Water Conditioning & Purification, September 1998 (with Joseph Harrison).

“Norway – White Nights & Pure Water,” Water Conditioning & Purification, September 1998.

“Reverse Osmosis Technology – Where Does It Fit?,” Water Conditioning & Purification, April 1998.

“The Ultimate in Recycling - Membrane Technology for Municipal Water Reuse Gains Ground,” Water Conditioning & Purification, November 1997.

“Crossflow Filtration for Environmental Compliance,” Filtration & Separation, October 1997.

“Bed Filtration Ways & Means,” Precision Cleaning, September 1997 (with Philip Olsen).

“The Role of Membrane Technology in Water Purification Applications,” Filtration & Separation, July/August 1997.

“Microorganism Reduction Devices: An Opportunity for Dealers,” Water Conditioning & Purification, June 1997 (with Philip Olsen).

“The Dental Dilemma: Microorganism Contamination of Water Lines,” Water Conditioning & Purification, May 1997 (with Philip Olsen).

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“Magic Bullets Miss the Mark in Water Purity,” Water Conditioning & Purification, February 1997.

“The Comfort of Confidence,” Water Conditioning & Purification, December 1996.

“A Perspective on AquaTech ‘96,” Water Conditioning & Purification, November 1996.

“Spotlight on Amsterdam,” Water Conditioning & Purification, September 1996.

“Drinking Water Treatment in India: A Visitor’s Perspective,” Water Conditioning & Purification, March 1996.

“Hemodialysis Water Treatment Systems Design,” Contemporary Dialysis & Nephrology, December 1995.

“Useful Applications of Membrane Technology in Precision Cleaning Process,” Precision Cleaning, September 1995.

“Membrane Fouling Causes and Cures,” Water Conditioning & Purification, July 1995.

“The ABC’s of Filtration,” Water Conditioning & Purification, February 1995 (with Philip Olsen).

“Pollution Prevention Drives Membrane Technologies,” Chemical Engineering, September 1994.

“Commercial/Industrial System Design,” Water Conditioning & Purification, September 1994.

“Education: Your Key to Success,” Water Conditioning & Purification, August 1994.

“Reverse Osmosis and Nanofiltration Membrane System Design,” Plumbing Engineer, March 1994.

“Who’ll Take Europe?,” Water Technology, April 1993.

“Mixing Blood & Water,” Water Technology, March 1993.

“Membrane Technologies In The Power Industry”, Ultrapure Water, February 1993.

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“Lead Controls Affect Reverse Osmosis”, Water Technology, January 1993.

“Reading RO Spec’s,” Water Technology, December 1992.

“Showing Europe,” Water Technology, November 1992.

“One Person’s Waste Is Another Person’s Treasure,” Water Technology, October 1992.

“A Membrane System Design Primer,” Water Conditioning & Purification, July 1992.

“Whole-House Reverse Osmosis Design,” Water Technology, March 1992.

“Hemodialysis Water Treatment: A Consultant’s Perspective,” Dialysis & Transplant, March 1992.

“Minerals and the Body,” Water Technology, November 1991.

“Designing Pure Water Systems,” Plumbing Engineer, October 1990.

“Reducing the Industry’s Knowledge Deficit,” Water Technology, October 1990.

“Pollution Control Membranes: “Continuous, Competitive, Clean,” Chemical Processing, July 1990.

“Fine Tuning Reverse Osmosis,” Water Technology, August 1989.

“What’s Happening with Point of Use Reverse Osmosis Membrane Elements?,” Water Conditioning & Purification, February 1988.

“Understanding Reverse Osmosis,” Water Conditioning & Purification, August 1987.

“Water Treatment Systems - The risk of bacterial contamination and its prevention,” Contemporary Dialysis and Nephrology, June 1987.

“How to Choose the Right Disinfectant For Your Reverse Osmosis System,” Water Technology, August 1986.

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“Monitored Performance - The Available Alternatives,” Water Technology, March 1986.

“Identifying Drinking Water Contaminants,” Water Technology, February 1986.

“Reclaiming Ultrapure Rinse Waters,” AWWA Water News, September/October 1985.

“Keeping Sterile Water Sterile,” Pharmaceutical & Cosmetic Technology, July 1985.

“An Overview of Fine Filtration Technology,” Pharmaceutical & Cosmetic Technology, March 1985.

“Today’s Reverse Osmosis,” Products Finishing, May 1984.

“An Update on Reverse Osmosis for Metal Finishing,” Plating and Surface Finishing, April 1984.

“Prevention of Bacterial Contamination in Hemodialysis Water Treatment Systems,” Contemporary Dialysis, October 1983.

“Water Purification Application for RO/UF Technology,” Water Technology, August 1982.

“Demystifying RO Water Treatment,” Water Technology, August 1982.

“Ultrafiltration,” Meat Processing, May 1982.

“Reverse Osmosis and Ultrafiltration in the Plating Shop,” Plating and Surface Refinishing, April 1981.