

MICHAEL C. JOHNSON, PhD, PE
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Registered Professional Civil Engineer, State of Utah 1996-Present

EDUCATION

PhD Civil and Environmental Engineering, Utah State University, 1996

Major: Fluid Mechanics and Hydraulics, Minors: Groundwater, Hydrology, and Water Resources
Dissertation: Discharge Coefficient Scale Effects Analysis for Weirs

MS Civil and Environmental Engineering, Utah State University, 1994

Major: Fluid Mechanics and Hydraulics. Thesis: Evaluation of Anti-Cavitation Trim for a 6-Inch Globe Valve

BS Civil and Environmental Engineering, Utah State University, 1992

Major: Civil and Environmental Engineering. Award: Outstanding Senior in the College of Engineering and the Department of Civil and Environmental Engineering

SUMMARY

- 2013 - Present: **Research Associate Professor**, Utah Water Research Laboratory, Civil and Environmental Engineering, Utah State University, Logan, Utah
- 2000 - 2013: **Research Assistant Professor**, Utah Water Research Laboratory, Civil and Environmental Engineering, Utah State University, Logan, Utah
- 1998 - 2006: **Research Scientist**, Utah State University/USU Research Foundation
- 1997: **Instructor**, University of Utah, Department of Civil Engineering, Salt Lake City, Utah
- 1996 - Present: **Independent Consultant**
- 1996 - 1998: **Project Engineer**, Bingham Engineering, Salt Lake City, Utah
- 1992 - 1996: **Research Assistant**, Utah State University, Civil and Environmental Engineering
- 1991 - 1992: **Engineer**, Hall Engineering and Construction, Spanish Fork, Utah
- 1984 - 1990: **System Designer and Installer**, Harward Irrigation Systems, Spanish Fork, Utah

EXPERIENCE

Hydraulic Structures

- Physical model study of the Montrose Irrigation Splitter Box. J-U-B, 2015.
- Physical model study of the Morris Dam Fixed Cone Bypass Valves. Adams Valves, 2015.
- Physical model study of the John Hart Generating Station Intake Operating Gate. Kuenz, 2014.
- Physical model study of the John Hart Generating Station Intake Structure. SNC-Lavalin, 2014.
- Physical model study of the Oroville Dam Tunnel No. 2 Energy Dissipating Structure. MWH, 2014.
- Physical model study of the Oroville Dam RVOS Energy Dissipating Structure. MWH, 2013.

- Physical model study of the Logan Hydroelectric Project No. 2 Energy Dissipating Chamber. MWH, 2013.
- Computational Fluid Dynamics model study of the South Canal Hydroelectric Project, Sorenson Engineering, 2012.
- Computational Fluid Dynamics model study of the Leesburg Water Treatment Plant intake structure, Gannett Fleming, 2011.
- Computational Fluid Dynamics model study of the Mansfield Dam emergency spillway. Freese and Nichols, Mar. 2011.
- Computational Fluid Dynamics model study of the Clark Canyon Hydroelectric Project. Civil Science, 2011.
- Computational Fluid Dynamics model study of the Upper and Lower Turnbull Turbine Bypass System. Ted Sorensen and Associates, 2010.
- Physical model study of the Mammoth Pool Dam Low Level Outlet Energy Dissipater, 2010. Mesa and Associates, 2010.
- Physical model study of the Oroville Dam Low Level Outlet Energy Dissipater. Allied Engineering, California DWR, 2010.
- Physical model study of the Gilboa Dam Low Level Outlet Energy dissipator, 2010.
- Physical model study of Buchanan Dam Emergency Dewatering System. Freese and Nichols, 2009.
- Computational Fluid Dynamics model study of the Brunswick Nuclear Plant Discharge Canal. McKim and Creed, Apr. 2009.
- Physical model study of the SCOP Lake Mead Effluent Conveyance System. MWH, Feb. 2009.
- Numerical model study of Summit Creek and Birch Creek 100-year Flood Analysis. City of Smithfield, Utah, Oct. 2008.
- Physical model study of the KCWA Section 4 Canned Pump. Dee Jaspar, Oct. 2008.
- Numerical model study of the Bear River Narrows Hydro Project. Schiess and Associates, Sep. 2008.
- Computational Fluid Dynamics model study of the Buchanan Dam Gated Spillway. Freese and Nichols, Aug. 2008.
- Physical model study of the Becks Run Suction Header. Gannett Fleming, Aug. 2008.
- Physical model study of the Hickory Log Creek Dam. Schnabel Engineering, Oct. 2005.
- Investigation of and recommendations for the Neversink Tunnel Energy Dissipator. Jul. 2005.
- Hydraulic analysis of the Gordon Creek Crossing. Granite Construction, Jun. 2005.
- Computational Fluid Dynamics model study of the Tom Miller Dam focusing on pressure distribution and cavitation potential. Freese and Nichols, Feb. 2005.
- Physical model study of the Salt Springs Dam Low Level Outlet. Rodney Hunt, Apr. 2004.
- Physical model study of the Choke Canyon Dam Low Level Outlet. Freese and Nichols, Oct. 2003.
- Physical model study of the Pflugerville Dam Spillway. HDR, Apr. 2003.
- Computational Fluid Dynamics model study of the Temple Dam. Freese and Nichols, Jul. 2002.
- Field testing of the Max Starcke Dam Spillway Gates. Lower Colorado River Authority, Feb. 2002.
- Physical model study of the Barker Dam Low Level Outlet. GEI, Feb. 2002.
- Physical model study of Tom Miller Dam. Lower Colorado River Authority, Apr. 2001.
- Physical model study of the Rocky Reach Dam Juvenile Fish Bypass Conveyance System. CH2M Hill, Jan. 2001.
- Physical study of the Gunnison Dam Fuse Plug. Utah Division of Water Resources, Oct. 2000.
- Physical model study of Max Starcke Dam. Lower Colorado River Authority, May 2000.
- Physical model study of Gunnison Dam. Utah Division of Water Resources, Apr. 2000.
- Numerical analysis of the DW Canal Improvements. JUB Engineering Oct. 1999.

- Physical model study of Inks Dam. Freese and Nichols, Jan. 1999.
- Physical model study of the Davis Pumping Station. Black and Veatch, Dec. 1998.
- Physical and numerical model study of the Wailua Hydropower Project Intake. Bingham Engineering, Aug. 1998.
- Numerical analysis of the Dry Canyon Flooding Potential. Logan City, July 1998.
- Physical model study of the Torrata River Flood Control Structure. ECI, May 1998.
- Numerical model study of the drainage plan for the 220 acre Bonneville Center commercial development. Zions Securities, 1997.
- Physical model study of the Mountain Dell Dam. Salt Lake City, Apr. 1996.
- Physical model study of the Lake Mead Water Supply Intake Pumping Station #1. CH2M Hill, February 1996.
- Physical model study of the Wirtz Dam spillway. Freese and Nichols, May 1995.
- Physical model study of the Hubbard Creek Spillway. Freese and Nichols, May 1993
- Physical model study of the Buchanan Dam 7-gate spillway. Freese and Nichols, Apr. 1993.

Pipelines

- Hydraulic transient analysis of the South Lake Tunnel Intake Improvements. Blair, Church and Flynn, 2013.
- Hydraulic transient analysis of the Gibson Dam Hydroelectric Project. Whitewater Engineering, 2012
- Hydraulic transient analysis of the Clark Canyon Dam Hydroelectric Project. Civil Science, 2011.
- Hydraulic transient analysis of the Dorena Hydroelectric Project. Bingham Engineering, Jan. 2011.
- Hydraulic transient analysis of the Brayton Point Nuclear Power Plant closed loop cooling project. Kiewit Power Engineers, May 2010.
- Pump and pipeline system design and development for the Utah Water Research Laboratory Hydraulics building, May 2009.
- Literature search and review of closed conduit air entrainment and dissolved air. MWH, Nov. 2008.
- Hydraulic transient study of the Hill Air Force Base Hangar Fire Suppression System. Great Basin Engineering, Apr. 2008.
- Numerical modeling of the PSF Irrigation System. Parkinson Seed Farm, June 2002.
- Energy generating potential of the Wailua Hydropower Project. Bingham Engineering, Aug. 1998.
- Design of the Granite Hydroelectric Project Pipeline and Penstock. Salt Lake City, 1997.
- Design of new HDPE water line connecting distribution system to tank. Kennecott Copper, 1997.
- Design of new 16-inch water main. City of South Jordan, 1997.
- Design of hydraulic system including canals, pumping stations, pipelines and culverts to convey brine as part of the Bonneville Salt Flats Salt Laydown Project. Reilly Industries, 1996-1997.
- Master plan of water and sewer system using computer simulations. Grantsville City, 1997.
- Water, storm drainage, and sanitary sewer design for Olympic Village. University of Utah, 1997.
- Hydraulic analysis of the Island Park Hydroelectric Plant. Fall River Electric, 1996.
- Hydraulic transient analysis of the 72-inch Jordan Aqueduct. Jordan Valley Water Conservancy District, 1996.
- Resident engineer for construction of a 3MG water storage reservoir, chlorination station, three pumping stations, and two spring developments. Spanish Fork City, 1992-1992.

Valves and Flow Meters (partial listing)

- Development of web-based air valve sizing program for Apco/DeZurik, 2014.
- Development of valve sizing spreadsheet program for Proco Products, 2011.

- Accuracy of In-service Water Meters at Low and High Flow Rates. AWWARE, 2006-2010.
- Flow coefficient and torque testing of an 18-inch butterfly valve. Henry Pratt Nuclear, Aug. 2009.
- Flow coefficient testing of two 40,000 lb 60-inch PEC plug valves. DeZurik, 2009.
- Torque and flow performance testing on a 12-inch butterfly valve. Yeary and Associates, Jul. 2008.
- Performance investigation of the CHEM-TRAC flow measurement system and AMAG cross flow meter. Westinghouse, 2008.
- Analysis of the Corsicana, TX water metering system. Johnson Controls, Jan. 2008.
- Hydraulic analysis of the new South Valley Sewer District Flow Meter. Bowen Collins, Feb. 2008.
- Development of valve sizing program for check valves. Proco Products, 2006-2008.
- Review and recommendations for flow metering specification. SDCWA, Dec. 2005.
- Calibration of hundreds of Annubar and multi-hole orifice plates. Dieterich Standard, 2005-present.
- Performance testing of a variety of Star-pac, Shear Stream, Mega Stream, and other valve products. Flowserve, 2004-present.
- Performance testing of 14-inch Y-Pattern Balanced Globe Valve for NASA. Flowserve, Dec. 2004.
- Performance testing of a variety of globe valves. Watts ACV, 2004-present.
- Field calibration of a 72-inch East Side Plant Venturi Meter. BIF, Jul. 2004.
- Flow meter performance tests. Master Meter, 2004-present.
- Seating/unseating, torque, and flow coefficient performance tests of ball and butterfly valves. Rodney Hunt, 2004-present.
- Hot water utility submetering proof of design tests. Utility Submetering Associates, Aug. 2004.
- Proof of design performance testing on new product development. Hartman Valve, 2002-present.
- Physical model study of the Alfred Merritt Smith Water Treatment Plant Venturi Meter and associated piping. PFS, Dec. 1999.
- Calibration of hundreds of Venturi flow meters in straight and simulated piping for the discharge coefficient and head loss. Primary Flow Signal, 1999-present.
- Performance testing of nozzle check valves and torque and flow coefficient testing of butterfly valves. Enertech, 1998-present.

Expert Services

- Expert services for hydraulic analysis of agricultural irrigation system. May, Rammell & Thompson, Chartered, 2014. Point of contact was Peter M. Wells.
- Expert opinion of butterfly valve seat failure. Fay, Spofford & Thorndike, 2013.
- Expert opinion of adequacy and field investigation of flow metering station. Boone-Florence Water Commission, 2010.
- Expert services for the Sergeant Bluff Soy Processing Plant Explosion. Nyemaster Law Firm, 2007.
- Expert services including deposition for the hydraulic analysis of the Hetch-Hetchy Pipeline #1 Lining Project. McLnerney & Dillon, PC, 2007. Point of contact was Robert L. Leslie.
- Expert services for hydraulic analysis of the Riverton City Flooding. CNA Insurance, 2002.
- Expert services for the Washington City Well #2 accident. Jones, Waldo, Holbrook & McDonough PC, 2001.

SCIENTIFIC AND PROFESSIONAL SOCIETIES/AWARDS

- AWWA Water Conservation Division Best Paper Award 2012
- AWWA Engineering & Construction Division Best Paper Award 2010

- Member of the AWWA Standards Committee 161 on Butterfly Valves and M49 Manual
- Member of AWWA Water Meter Standards Committee 380 for developing AWWA Standards C700, C701, C702, C703, C704, C706, C707, C708, C710, C712, C713 and M6 Manual on Meter Testing
- Member of the AWWA Standards Committee 242 on Gate and Check Valves
- AWWA Engineering & Construction Division Best Paper Award 2007
- Outstanding Teacher: College of Engineering 2002/2003
- Outstanding Teacher: Civil and Environmental Engineering Department 2001/2002, 2002/2003
- Outstanding Advisor: Civil and Environmental Engineering Department 2001/2002
- Licensed Professional Engineer – State of Utah
- Member American Water Works Association (AWWA)
- Life Member United States Society on Dams (USSD)
- Member, American Society of Civil Engineers (ASCE)
- Outstanding Senior in the College of Engineering and the Department of Civil Engineering 1991/92
- Samuel Fletcher Tapman ASCE Scholarship, 1991
- Max LeGrand Johnson Memorial Scholarship, 1992
- Nielsen, Maxwell, and Wangsgaard Scholarship 1990
- Member Tau Beta Pi

JOURNAL PUBLICATIONS

Sumrak, M.L., Johnson, M.C. and Barfuss. *Comparing Low Flow Accuracy of Mechanical and Electronic Meters*. Accepted. Journal AWWA.

Prettyman, B.J., Johnson, M.C. and Sharp, Z. B., *Submerged Operation of a Fixed-Cone Valve with Baffled Hood*. International Water Power & Dam Construction. Volume 22, No. 4, pp. 74-77, 2015.

Prettyman, J.J., Johnson, M.C. and Sharp, Z. B., *Comparison of Selected Differential Producing, Ultrasonic and Magnetic Flow Meters*. Accepted. Journal AWWA.

Del Toro, Adam, Johnson, M.C., Spall, R.E. 2015. *Computational Fluid Dynamics Investigation of Butterfly Valve Performance Factors*. Journal AWWA, 107(5):E243-E254.

Nikfetrat, K., Johnson, M.C. and Sharp, Z.B., *Computer Simulations Using Pattern Specific Loss Coefficients for Cross Junctions*. Journal of Hydraulic Engineering, Vol. 141, No. 9, September 2015.

Prettyman, B.J., Johnson, M.C. and Sharp, Z. B., *Design Considerations for Stationary Hoods Used with Fixed-Cone Valves*. International Water Power & Dam Construction. Volume 21, No. 6, pp. 76-79, 2014.

Daniels, Steven, Johnson, M.C., Spall, R.E. 2014. *Cavitation and Head Loss Characteristics in Non-symmetric Bifurcations*. Journal AWWA, 106(6):89-90.

Olsen, R.J., Johnson, M.C. and Barfuss, S.L., 2014. *Low-Head Dam Reverse Roller Remediation Options*. Journal of Hydraulic Engineering, Vol. 140, No. 4, April 2014.

Willeitner, R., Barfuss, S.L. and Johnson, M.C., 2013. *Using Numerical Modeling to Correct Flow Rates for Submerged Montana Flumes*. Journal of Irrigation and Drainage Engineering, Vol. 139, No. 7, pp. 586-592, July 2013.

Olsen, R.J., Johnson, M.C. and Barfuss, S.L., 2013. *Risk of Entrapment at Low-Head Dams*. Journal of Hydraulic Engineering, Vol. 139, No. 6, June 2013.

Shields, D., Barfuss, S.L. and Johnson, M.C., 2013. *Meter Testing Methods Matter*. Journal AWWA, 105(11):67-68.

Stoker, D., Barfuss, S.L. and Johnson, M.C., 2012. *Flow Measurement Accuracies of In-Service Residential Water Meters*. Journal AWWA, 104(12):33-34.

Stoker, D., Barfuss, S.L. and Johnson, M.C., 2012. *Ultrasonic Flow Measurement for Pipe Installations with Non-Ideal Conditions*. Journal of Irrigation and Drainage Engineering, Vol. 138, No. 11, Nov. 2012, pp. 993-998.

Shields, D.J., Barfuss, S.L. and Johnson, M.C., 2012. *Revenue recovery through meter replacement*. Journal AWWA, 104(4):69-70, E252-E259.

Willeitner, R., Barfuss, S.L. and Johnson, M.C., 2012. *Montana Flume Flow Corrections under Submerged Flow*. Journal of Irrigation and Drainage Engineering, Vol. 138, No. 7, pp. 685-689.

Buck, B.S., Johnson, M.C. and Barfuss, S.L., 2012. *Effects of Particulates on Water Meter Accuracy through Expected Life*. Journal AWWA, 104(4):65-66, E231-E242.

Johnson, M.C., Boyd, M.L. and Mortensen, D.G., 2012. *Closure to Stop Logs for Emergency Spillway Gate Dewatering by Derek R. Freckleton, Michael C. Johnson, M. Leslie Boy and Dustin G. Mortensen*. Journal of Hydraulic Engineering, Vol. 138, No. 6, June 2012.

Stephens, D.P., Johnson, M.C. and Sharp, Z.B., 2012. *Design Considerations for Fixed-Cone Valve with Baffled Hood*. Journal of Hydraulic Engineering, Vol. 138, No. 2, February 2012.

Hollingshead, C.L., Johnson, M.C., Barfuss, S.L. and Spall, R.E. 2011. *Discharge Coefficient Performance of Venturi, Standard Concentric Orifice Plate, V-cone and Wedge Flow Meters at Low Reynolds Numbers*. Journal of Petroleum Science and Engineering, Vol. 78 (2011) 559-566.

Neilsen, M.A., Barfuss, S.L. and Johnson, M.C., 2011. *Off-the-shelf accuracies of residential water meters*. Journal AWWA, 103(9):48-55.

Buck, B.S., Johnson, M.C. and Sharp, Z.B., 2011. *Improving Concrete Containment Structures Associated with Fixed Cone Valves*. Engineering, 2011, 3, 145-151.

Freckleton, D.R., Johnson, M.C., Boyd, M.L. and Mortensen, D.G., 2011. *Stop Logs for Emergency Spillway Gate Dewatering*. Journal of Hydraulic Engineering, Vol. 137, No. 6, June 2011.

Heiner, B.J., Barfuss, S.L. and Johnson, M.C., 2011. *Conditional Assessment of Flow Measurement Accuracy*. Journal of Irrigation and Drainage Engineering, Vol. 137, No. 6, pp. 367-374.

Mortensen, J.D., Barfuss, S.L. and Johnson, M.C., 2011. *Scale Effects of Air Entrained by Hydraulic Jumps within Closed Conduits*. Journal of Hydraulic Research, Vol. 49, No. 1 (2011), pp. 90-95.

Heiner, B.J., Barfuss, S.L. and Johnson, M.C., 2011. *Flow Rate Sensitivity Due to Parshall Flumes Staff Gauge Location and Entrance Wingwall Configuration*. Journal of Irrigation and Drainage Engineering. Vol. 137, No. 2, pp. 94-101.

Richards, G.L., Johnson, M.C., and Barfuss, S.L. 2010. *Apparent Losses Caused by Water Meter Inaccuracies at Ultralow Flows*. Journal AWWA, 102(5):123-132.

Webb, C.B., Barfuss, S.L., and Johnson, M.C. 2009. *Modeling Roughness in Physical Scale Models*. Journal of Hydraulic Research, Vol. 48, No. 2 (2010), pp. 260-264.

Sharp, Z.B., Johnson, M.C., Barfuss, S.L., and Rahmeyer W.J. 2009. *Energy Losses in Cross Junctions*. Journal of Hydraulic Engineering, Vol. 136, No. 1, January 2010.

Sanders, D., Barfuss, S.L., and Johnson, M.C. 2009. *Improving Open Canned Systems*. World Pumps, Number 515, August 2009.

Richards, G.L., Johnson, M.C., and Barfuss, S.L. 2009. *Metering Residential Irrigation Water: Technological Approaches and Cost Estimation*. Journal AWWA, 101(6):52-63.

Richards, G.L., Johnson, M.C., and Barfuss, S.L. 2008. *Metering Secondary Water in Residential Irrigation Systems*. Journal AWWA, 100(6):112-121.

Smith, N.Q, Johnson, M.C., and Barfuss, S.L. 2008. *Vapor Cavity Collapse Downstream from Orifice Plates*. Journal of Hydraulic Research, Vol. 46, No. 6 (2008), pp. 830-834.

Johnson, M.C. and Savage, B.M. 2006. *Physical and Numerical Comparison of Flow Over Ogee Spillway in the Presence of Tailwater*. Journal of Hydraulic Engineering, Vol. 132, No. 12, December 2006.

Johnson, M.C. and Dham, R. 2006. *Innovative Energy Dissipating Hood*. Journal of Hydraulic Engineering, Vol. 132, No. 8, August 2006.

Bradford, J., Johnson, M., and Gilbert, G. 2006. *Performance of Venturi Meters Installed Downstream of Bends*. Journal AWWA, 98(4):156-164.

Savage, B.M. and Johnson, M.C. 2001. *Flow over Ogee Spillway: Physical and Numerical Model Case Study*. Journal of Hydraulic Engineering, Vol. 127, No. 8, August 2001.

Johnson, M.C. and Dham, R., Sagar B.T.A, and Berquist, J. 2001. *Valves to Get Out of a Fix*. International Water Power & Dam Construction. July 2001.

Johnson, Michael C. 2000. *Discharge Coefficient Analysis for Flat-Topped and Sharp-Crested Weirs*. Irrigation Science, 19:133-137.

OTHER PUBLICATIONS

Barfuss, S.L., Johnson, M.C. and Nielsen, M.A., 2011. *Accuracy of In-service Flow Meters at Low and High Flow Rates*. Water Research Foundation. ISBN 978-1-60573-148-3.

- Nielsen, M.A., Barfuss, S.L., and Johnson, M.C. 2009. *Flow measurement accuracies of new residential flow meters*. Annual AWWA conference and exposition June 2009, San Diego, CA.
- Rowlett, T., Barfuss, S., Devlin, J., Johnson, M., and Bartels, J. 2009. *The System Conveyance and Operations Program (SCOP) Boulder Islands Outfall Project: Physical and Numerical Modeling as Design Tools*. IAHR 33rd Congress, Vancouver, British Columbia, Canada. August 9-14, 2009.
- Savage, B. M., Johnson, M.C. and Towler, B., 2009. *Hydrodynamic Forces on a Spillway: Can We Calculate Them?* Proceedings, Association of State Dam Safety Officials 2009.
- Johnson, M.C., Pearman, J.E., and Lubben, R. 2005. *Designing Outlet Works Around a Relicense*. Proceedings, Association of State Dam Safety Officials 2005.
- Tullis, B.P., and Johnson, M.C. 2004. *Hydraulic Research at the Utah Water Research Laboratory: Past, Present, and Future*. ASCE-EWRI SLC, June 2004. (Invited Paper)
- Tullis, B. P., and Johnson, M.C. 2004. *Hydraulic Engineering at the Utah Water Research Laboratory: Past, Present, and Future*. Water Resources and Environmental History, ASCE, 2004, pp 206-217. (Book chapter)
- Dham, R. and Johnson, M.C. 2002. *Innovative Energy Dissipating Hood for Fixed Cone Valves –Torata River Project, Peru*. United States Society on Dams. Printed in the 2002 USSD Annual Lecture Series.
- Wolfhope, J., Johnson, M., Scanlon, J., Forbes, G., and King, J. 2002. *Hydraulic Modeling of Tom Miller Dam*. ASDSO Dam Safety 2002.
- Johnson, M.C., Dham, R., Sagar, B.T.A., and Bergquist, J. 2001. *Valves to get out of a fix*. International Water Power & Dam Construction, July 2001.
- Savage, B.M., Johnson, M.C., and Geldmacher, R.J. 2001. *Comparison of Physical versus Numerical Modeling of Flow Over Embankment and Ogee Spillways*. 2001 Annual ASDSO Conference, September 9-12, Snowbird, Utah.
- Gerhart, P.C., Johnson, M.C., and Jones, T.M. 2001. *When in Doubt – Model it*. 2001 Annual ASDSO Conference, September 9-12, Snowbird, Utah.
- Johnson, Michael C. 1999. *Discharge Coefficients for Flat-Topped and Sharp-Crested Weirs*. Association of State Dam Safety Officials. Vol. 14 No. 1.
- King, J.R., Scanlon, J.W., and Johnson, M.C. 1999. *Inks Dam Modernization Project Hydraulic Model Study*. Texas Section A.S.C.E. Fall Proceedings, Midland, Texas.
- Johnson M.C., J.R. King, and J.W. Scanlon. 1999. *Inks Dam Modernization Project*. United States Committee on Large Dams. Nineteenth Annual USCOLD Lecture Series, Atlanta, Georgia, May 17-21.
- Johnson, Michael C. 1996. *Discharge Coefficient Scale Effects Analysis for Weirs*. Ph.D. Dissertation, Utah State University, Logan, Utah.

Johnson, Michael C. 1994. *Evaluation of Anti-Cavitation Trim for a 6-Inch Globe Valve*. M.S. Thesis, Utah State University, Logan, Utah.

Over 1000 additional reviewed technical reports (through July 2015).