

Graham A. Gagnon, Ph.D., P.Eng.

Full Professor & NSERC / Halifax Water Industrial Research Chair
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Academic and Training Background

Ph.D. (Civil Engineering), University of Waterloo, 1998
B.Eng. (Environmental Engineering), University of Guelph, 1993

Work Experience (at Dalhousie University)

Jul 2010 – present Director, Centre for Water Resources Studies, Faculty of Engineering
Jul 2007 – present Professor, Department of Civil & Resource Engineering
Jan 2007 – present NSERC/ Halifax Water Industrial Research Chair
Associate Chair 2007-2012; Senior Chair 2012-present
July 2002 – 2007 Associate Professor, Department of Civil Engineering
Jan 1998 – 2002 Assistant Professor, Department of Civil Engineering

Areas of Research Expertise

Dr. Gagnon conducts research related to water treatment, primarily in the field of drinking water. He has conducted drinking water research related to UV technologies, biological processes, distribution systems, policy development and energy management. He has also applied his skills to industrial wastewater treatment for the oil and gas industry and other resource industries.

Select Peer-Reviewed Publications

Gagnon lab trainees are in bold; 120 Journal Articles since 1998

- J1. **Stoddart, A.K.** and G.A. Gagnon 2015. Full-scale pre-chlorine removal: Impact on filter performance and water quality. *Journal AWWA*. In press, Sept 2015.
- J2. **McIlwain, B., Y.R. Park** and G.A. Gagnon. 2015. Fountain autopsy to determine lead occurrence in drinking water. *ASCE – J. Env. Engrg.* In press, Sept. 2015.
- J3. **Payne, S.J., G. Piorkowski,** L. Truelstrup Hansen and G.A. Gagnon 2015. Impact of zinc orthophosphate on drinking water biofilms influenced by lead and copper pipe. *ASCE – J. Env. Engrg.* In press, Aug 2015.
- J1. Krkosek, W., **V. Reed** & G.A. Gagnon. 2015. Assessing protozoan risks for surface drinking water supplies in Nova Scotia. *J. Water & Health*. In press, June 2015.
- J2. **Vadasarukkai, Y.S.,** and G.A. Gagnon 2015. Application of low- mixing energy input for the coagulation process. *Water Research*. 49: 333-341.
- J3. **Ragush, C.M., J.J. Schmidt,** W.H. Krkosek, G.A. Gagnon, L. Truelstrup-Hansen, R.C. Jamieson. 2015. Performance of municipal waste stabilization ponds in the Canadian Arctic. *Ecol. Engrg.* 83: 413-421.
- J4. **Kot, M.,** G.A. Gagnon and H. Castleden. 2015. Water compliance challenges: How do Canadian small water systems respond? *Water Policy*. 17: 349–369.
- J5. **Kot, M.,** H. Castleden and G.A. Gagnon. 2015. Water Safety Plans: A critical review of literature and gaps for future policy consideration. *Environmental Reviews*. 23(1): 24-29.