

May 10, 2016



ATTACHMENT "C"

CURRICULUM VITAE

**L. Tim Lotimer, P.Geo., FGC.
Tim Lotimer & Associates Inc.**

Mr. Lotimer is a professional geoscientist, licensed water well technician and specialist in municipal groundwater supply development and protection with almost 40 years of experience.

In 2002, Mr. Lotimer was among the 30 selected consultants from more than 200 expressions of interest from qualified professional engineers and hydrogeologists to work with the MOE review team on the Groundwater Studies GUDI project. Mr. Lotimer was appointed by the Minister of the Environment in 2002 to the Provincial Advisory Committee on Source Water Protection. This was followed by appointments by the Minister of the Environment in 2003 to the Provincial Nutrient Management Committee and the Source Water Protection Implementation Committee and in 2007 to the Great Lakes Annex Advisory Panel.

In 2003, he prepared several modules for the Fleming "Well Constructed" training program for MOE licensed water well technicians. In 2006 and 2009, he developed the courses Groundwater, Wells and Well Pumps and Drinking Water Source Protection for Groundwater Systems both for the Walkerton Clean Water Centre. He has delivered these courses frequently to water operators and professionals in Ontario since that time. During 2006 to 2007 he assisted the Ministry of Health and Long-Term Care with the development of their Small Drinking Water Systems Risk Assessment. In 2008, he developed and delivered training, through the Walkerton Clean Water Centre, for Public Health Inspectors implementing new regulations related to small drinking water systems using groundwater. In 2007 he was appointed to the Water Resources Expert Working Group (PIEVC) evaluating the vulnerability of public infrastructure to climate change.

In 2007, Tim retired from the day-to-day management of Lotowater and sold his shares in the business. In 2008, Mr. Lotimer formed Tim Lotimer & Associates Inc. to provide professional consulting services in the environmental geosciences and professional development training through the Walkerton Clean Water Centre.

He has spoken extensively at water works conferences, seminars and symposiums both in Ontario and the United States and has delivered over 50 papers on groundwater and safe drinking water. An active member of the Association of Professional Geoscientists (APGO), he served as a member of the Environmental Geosciences Sub-committee and Chair of the APGO ad-hoc committee preparing professional practice guidelines for professional geoscientists practicing in groundwater resources development, management and protection. In 2008 he was appointed to represent APGO on the Stakeholders Review Group for the development of the MOE Best Practices Manual for water wells.

In 2002, he received the Albert E. Berry award from OWWA. He was appointed a Commissioner of the Order of the Leaky Tap by the Ontario Municipal Water Association (OMWA) in 2003. In 2005, he received the Award of Exceptional Merit from the OMWA. In 2006, he was elected a Director of the American Water Works Association (AWWA) for a three year term. In 2006 he was recipient of the Fuller Award from the AWWA. In 2009 he was appointed an Adjunct Assistant Professor at McMaster University. In 2013 he was elected an inaugural Fellow of Geoscientists Canada.

PROFESSIONAL REGISTRATION:

Practising Member (#0026) Association of Professional Geoscientists of Ontario (since 2002).

TECHNICAL QUALIFICATION:

Ministry of the Environment Licensed Well Technician, Class 1, 2, 3 and 4 (since 1980)

PROJECT EXPERIENCE:

Mr. Lotimer has worked on groundwater related projects for over 50 municipalities since 1977 including:

Municipality of Chatham-Kent: Review of Ridgeway and Highgate municipal drinking water systems. Aquifer testing of two well fields. Emergency repair of the Highgate well. Project hydrogeologist for replacement of all wells in Ridgeway and aquifer testing to support increase in Permit to Take Water (2013 to on-going)

County of Brant: Review of existing municipal wells. Develop hydrogeological program for evaluation of new municipal well supply. Analysis of 72 hour aquifer test of potential new production well site. (2013 to on-going)

Region of Waterloo: A new water supply of 200 L/s was developed. An evaluation of 21 existing municipal wells was undertaken. Well maintenance was completed, problems with these wells related to carbonate incrustation, plugging from iron and manganese, nuisance bacteria and sediment. A prototype testing program for artificial recharge was researched and developed. Served as a senior hydrogeological consultant to the RMOW Water Liaison Committee for a two-year period to evaluate complaints of domestic well interference from municipal pumping. Shades Mill Aquifer Study, Clemens Mill Aquifer Study, Evaluation of William St/Seagram Wells, Cambridge Groundwater Protection Study, development of additional groundwater supplies in St. Agatha, West Montrose. Review of Conestogo wells. Revision of well and pump maintenance program RFP (1982 - 2013).

Regional Municipality of Halton: Peer review of Halton Hills groundwater supply. Halton Region project manager for ecological studies and groundwater development for municipal water supply upgrades and development in Georgetown (Lindsay Court, Princess Anne and Cedarvale well fields) and Acton (Prospect Park, Davidson and Fourth Line well fields). Assessment and evaluation of water quality variations at the Kelso Well Field, Milton. Evaluation of opportunities for artificial aquifer recharge for municipal supply in Halton Hills.. Technical project Manager for the Pilot Tier 3 Water Budget and Water Quantity Risk Assessment. Peer review of hydrogeologic reports for development applications (2007 to on-going)

City of London: Evaluation of historical municipal water supply wells and test holes: development of a program to locate them, assess the water quality threat posed by these wells to the major aquifers, and develop a program to decommission these wells (2006 to 2008). He was retained to assess the water quality implications of the 100's of test holes and test wells that had been drilled for the City prior to the 1960's (2013 to on-going).

City of Guelph: Depth discrete water quality sampling, flow distribution profiling and well evaluation at Queensdale, University, Clythe, Scout Camp, Membro, Paisley, Helmar, Carter, Burkes, Arkell 6, 7, 8, 14, 15. Rehabilitation of Helmar, Paisley, Arkell 6 and 7, University, Park 1&2, Emma. Development of additional groundwater supplies at Carter and the Admiral (Sleeman Brewery) sites. Preparation of well maintenance and optimization program. (1997-2007)

Golder Associates: Well integrity testing, field program and interpretation of results, evaluation of Walkerton municipal wells, E-Coli contamination. (2000)

Ontario Clean Water Agency: Design, installation and testing of a stand-by supply well, and exploration for additional groundwater supply, Municipality of Brockton (Walkerton) (2000 to 2006)

Town of Cochrane: Two new production wells were drilled within an existing aquifer. Evaluated groundwater supply options for the Environmental Assessment Document (1989 to 1992). Review of treatment needs for wells as part of first Engineers Report (2000). Review of existing well performance and development of a new groundwater supply. (2010 to on-going)

Great Blue Heron Casino: Review of causes of failure of a large on-site wastewater treatment facility and assessment of impacts of nitrate-nitrogen in the groundwater system (2007 to 2011).