

CHRIS HELMER

B.Sc., P.Geo.

**Senior Hydrogeologist
MECP Licensed Well Contractor**

Senior Hydrogeologist and owner of HCS with more than 19 years of technical and administrative experience in hydrogeological investigations, project management, and department and staff leadership, for hydrogeological assignments throughout Southern Ontario.

Professional Experience

- Authoring of hydrogeological studies and groundwater investigations for residential and commercial developments, construction dewatering projects, nitrate impact assessments (including Reasonable Use assessments), salt (chloride) impact assessments, water supply pumping tests, and infiltration assessments.
- Permit to Take Water (PTTW) applications, including hydrogeology study preparation to support PTTW applications; Environmental Activity and Sector Registry (EASR) package preparation and submissions; Environmental Compliance Approval (ECA) application submissions; and municipal sewer discharge application submissions.
- Preparation and management of short and long-term groundwater and surface water monitoring programs for municipal and MECP mandated studies at sites up to 150 hectares.
- Project management services; including communication with clients and other stakeholders; meeting with regulatory agencies; cost and budget tracking; and invoicing.
- Hydrogeology group and field staff team coordination, scheduling, and management for small and large-scale hydrogeology projects; and coordination of staff and resources between inter-office and intra-office departments.
- Review of hydrogeology studies and reports prepared by colleagues and junior staff, and peer review services for municipal planning departments, to ensure accuracy of analyses and calculations, and validity of results.
- Preparation of work plans and fee estimates for small and large-scale hydrogeology project proposals, and collaborative proposal preparation for multi-discipline projects.

Career Path

2017-present	Owner, Hydrogeology Consulting Services (HCS). Kitchener
2017	Senior Hydrogeologist, Insitu Contractors Inc. Guelph
2015-2017	Senior Hydrogeologist, Morrison Hershfield Ltd. Markham
2007-2015	Hydrogeologist, Project Manager, EnGlobe Corp. Kitchener (formerly LVM Inc., Naylor Engineering Associates Inc.)
2006-2007	Groundwater Scientist, Gartner Lee Limited. Guelph
2006	Groundwater Technologist, Lotowater Technical Services Inc. Paris
2002-2005	Department Coordinator and Software Support, Waterloo Hydrogeologic. Waterloo

AREAS OF EXPERTISE

PTTW, EASR, ECA, and Sewer Discharge Applications

Hydrogeological Investigations for Land Development

Construction Dewatering

Open and Closed Loop Geothermal

Hydrogeology Project Management

Client Relationship Management

EDUCATION

1997 Bachelor of Science, Double Major
Acadia University

PROFESSIONAL ASSOCIATIONS

2013-present Association of Professional Geoscientists of Ontario - License No. 2285

CERTIFICATIONS AND PROFESSIONAL DEVELOPMENT

2007-present WHMIS/GHS

2019-present MECP Licensed Well Contractor

2020 Operation of Small Drinking Water Systems

2020 MOL Safety Awareness

2020 Self Contained Breathing Apparatus (SCBA)

2017 Lift Truck/Skid Steer Operation

2016 First Aid and CPR, Level C

2016 Working at Heights

2016 Contaminated and Hazardous Waste Site Management

2015 ATV Operation

2015 Groundwater Modeling with FEFLOW 6.2

2015 Aquifer Pumping Test Techniques

2014 No Purge Groundwater Sampling

2013 Groundwater Aspects of Underground Construction in the GTA

2013 Slug Testing for Site Characterization

