

BOB CASKANETTE, B.A.Sc., CFEI, CVFI, CCFI-C, CEC, CIEC, C.E.T., EP, LET

CONSULTING SERVICES

- Fire & Explosion Origin and Cause Investigations of Buildings, Vehicles, Appliances and Equipment (Approximately 738 Investigations)
- Fuel Oil and Spill Remediation, Phase I, II and III Environmental Site Assessments (ESA's), Environmental Remediation and Reclamation Projects (Approximately 202 Investigations)
- Building Science, Indoor Air Quality (IAQ), Fire and Smoke Damage Building Assessments, Clandestine Drug Lab Assessments, Marijuana Grow Ops, DSS's, Radon, Mould, Lead & Asbestos Investigations (Approximately 826 Investigations)
- Building Assessments – Roof Collapses, Foundations, Wind, Water and Vibration Damage Investigations (Approximately 180 Investigations)
- Personal Injury Accident Investigations – Slips, Trips, Falls, (Approximately 75 Investigations)
- Motor Vehicle Accident Reconstruction Investigations (Approximately 75 Investigations)
- Failure Analysis - Product Liability and Subrogation (Approximately 126 Investigations)

ACADEMIC BACKGROUND

- Bachelor of Applied Science (B.A.Sc.) Environmental Management (Majoring in Environmental Reclamation and Remediation), Honours, Lakeland College, 2008
- Environmental Science (Honours), Mohawk College of Applied Arts and Technology, 2006
- Resources Drilling and Blasting Technician, Sir Sandford Fleming College, 2004
- Mechanical Engineering (Robotics and Automation), Conestoga College Institute of Technology and Advanced Learning, 2003
- Autobody and Collision Repair Apprenticeship Program

OTHER PROFESSIONAL DESIGNATIONS

- Licensed Engineering Technologist (LET), licensed in the following specialized areas of discipline: "Environmental Consulting in Spill Remediation of Soil and Water, Indoor Air Quality (IAQ), Mold and Asbestos Abatement Projects. Fire and Explosion Investigations of Structures, Vehicles and Equipment", Professional Engineers of Ontario (PEO), 2018 - Present
- Certified Radon Measurement Professional (CMP), Canadian National Radon Proficiency Program (C-NRPP), 2016 - Present
- Certified Air Quality Specialist (CAQS), Environmental Assessment Association (EAA), April 2016 - Present
- Certified Remediation Specialist (CRS), EAA, April 2016 - Present
- Certified Mould Specialist (CMS), EAA, April 2016 - Present
- Certified Environmental Consultant (CEC), EAA, April 2016 - Present
- Health and Safety Technician (HST), Institute of Inspection, Cleaning and Restoration Certification (IICRC), 2016 - Present
- Certified Environmental Professional (EP), with specializations in Health and Safety, Waste Management, Site Assessment and Reclamation, Water Quality and Air Quality, by the Environmental Careers Organization (ECO) of Canada, ratified by the Canadian Environmental Certification Approvals Board (CECAB), March 8, 2016 - Present
- Council-Certified Indoor Environmental Consultant (CIEC), American Council for Accredited Certification (ACAC), 2016 – Present
- Canadian Certified Fire Investigator – Level C (CCFI-C), Canadian Association of Fire Investigators (CAFI) 2015 - Present
- Fire and Smoke Remediation Technician (FSRT), IICRC, 2014 - Present
- Odour Control Technician (OCT), IICRC, 2014 - Present
- Certified Vehicle Fire Investigator (CVFI), National Association of Fire Investigators (NAFI) 2011 - Present

- Applied Structural Drying Technician (ASD), IICRC, 2011 – Present
- Certified Engineering Technologist (C.E.T.), Ontario Association of Certified Engineering Technicians and Technologists (OACETT), 2010 - Present
- Certified Applied Science Technologist (A.Sc.T.), OACETT, 2010 - Present
- Applied Microbial Remediation Technician (AMRT), IICRC, 2008 - Present
- Water Restoration Technician (WRT), IICRC, 2008 - Present
- Certified Fire and Explosion Investigator (CFEI), NAFI, 2008 – Present

ADDITIONAL COURSES, SEMINARS & DESIGNATIONS

- Solving the Unsolvable – Spontaneous Heating, Chemical Fires, Farm Buildings, Garages and Equipment, Electrical Faults, CAFI Seminar, FESTI, Toronto, ON, May 28/29, 2019
- The Fire Science Behind Fire Patterns, CAFI Webinar, November 2018
- Arc Mapping, One of the Four Sources of Information in Origin Determination, CAFI Webinar, June 2018
- Bias - In Its' Many Forms and How it May Influence the Fire/Forensic Investigator, CAFI Webinar, May 2018
- Just Add Gas? – Investigation and Identification of Incendiary Fires, CAFI Seminar, FESTI, Toronto, ON, April 18/19, 2018
- Marijuana Butane Honey Oil (BHO) Extraction Fire and Explosion Investigation, CAFI Webinar, January, 2018
- Advanced Fire Dynamics, Arc Mapping and Burn Cell Investigation, CAFI Seminar, FESTI, Toronto, ON April 5-6, 2017
- ACMO/CCI Toronto Condo Conference, Toronto, ON, Nov 11-12, 2016
- Understanding Radon Testing and Mitigation Webinar, IAQA, October 19, 2016
- Effective Radon Measurement Techniques Training Course, Biomation, Mississauga, ON, June 6-7 2016.
- MOL Working at Heights Training, Waterloo, ON, May 31, 2016
- Understanding Ventilation and Post-flashover Fire Dynamics, CAFI Seminar, Fire and Emergency Services Training Institute (FESTI), Toronto, ON, April 20, 2016
- Health and Safety Technician Course, IICRC, Safety Express, Mississauga, ON, March 14-15, 2016
- Indoor Environmental Consultant Course, Indoor Sciences Inc. & American Council for Accredited Certification (ACAC), March 3, 2016
- IAQA Indoor Environmental Consultant Course, Waterloo, January-February 2016
- Electrical Engineering for Non-Electrical Engineers, EPIC, February 16-18, 2016
- LET Limited License Requirements, PEO, Waterloo, ON, January 2016
- Residential Electricity for Fire Investigators – Fire Findings, Benton Harbor, Michigan, September 24-25, 2015.
- Investigating Residential Dryer Fires – Fire Findings, Benton Harbor, Michigan, September 22-23, 2015
- Brownfields: Remediation & Compliance – CANECT 2015 Conference, Mississauga, ON, April 27-29, 2015
- Dealing with Environmental Spills & Emergencies – CANECT 2015 Conference, Mississauga, ON, April 27-29, 2015
- CAFI Educational Symposium and Seminar; Hell's Kitchen – Commercial and Residential Kitchen Fires, Niagara Falls, ON, April 2015
- Effective Implementation and Practical Applications of Infection Control during Construction, Renovation and Maintenance of Healthcare Facilities, CSA Group, Mississauga, ON, September 2014
- Fundamentals of Infection Control during Construction, Renovation and Maintenance of Healthcare Facilities, CSA Group, Mississauga, ON, September 2014
- Confined Space Entry, Milton, ON, 2006; Waterloo, ON, May 2014
- Health and Safety Awareness for Supervisors, April 2014
- CANECT Canadian Environmental Conference, Mississauga, ON, April 2014

- Fire and Smoke Remediation Technician Course, IICRC, Mississauga, ON, 2014
- Odour Control Technician Course, IICRC, Mississauga, ON, 2014
- Understanding VOC's Webinar, IAQA, Waterloo, ON, November 15, 2013
- International Symposium on Fire Investigation, Science and Technology, University of Maryland, 2012
- Indoor Air Quality Association (IAQA) Annual Conference, Las Vegas, NV, USA, 2012
- Vehicle Fire, Arson & Explosion Investigation, Science and Technology Seminar, NAFI, Lexington, Kentucky, USA, 2011
- Applied Structural Drying Technician Course, Centre for Disaster Recovery & IICRC, Barrie, ON, 2011
- Canadian Association of Fire Investigators (CAFI) Conference, Toronto, ON, 2010
- O.Reg. 511/09 Update Conference, MOE, Toronto, ON, 2010
- Indoor Air Quality (IAQ) Sampling Technical Seminar, ALS Laboratories, Cambridge, ON, 2010
- CAFI Hands Across the Border Fire Training Seminar, Toronto, ON, October 2009
- Lead Based Paint (LBP) Training, Waterloo, ON, 2009
- Indoor Air Quality Association (IAQA) Annual Conference, Fort Worth, TX, USA, 2009
- Investigations of Electrical and Appliance Related Fires, Glen Cove, NY, USA, 2009
- Asbestos Project Training, Toronto, ON, 2009
- The Principles of Electrical Fires, Dr. Vytenis Babrauskas, San Francisco, CA, USA, 2009
- Applied Microbial Remediation Technician Course (Mould/Sewage), Hazmasters & IICRC, Pickering, ON, 2008
- Water Damage Restoration Technician Course, Hazmasters & IICRC, Pickering, ON, 2008
- Canadian National Advanced Fire, Arson and Explosion Training Program, Fire Facts and NAFI, Markham, ON, 2008
- Canadian Land Reclamation Association (CLRA) Annual Conference, Red Deer, AB, 2008
- ESA and SOP Training, Brantford, 2008
- Asbestos Awareness, Brantford, ON, 2008
- Bloodborne Pathogens, Brantford, ON, 2008
- Electrical Safety, Brantford, ON, 2008
- Construction Site Supervisor, Brantford, ON, 2008
- 40-Hour OSHA HAZWOPER/WHMIS Training, Waterloo, ON, 2006
- Traffic Control Person Training, Kitchener, ON, 2006
- Event Data Recorders (EDR) Seminar, Kitchener, ON, 2004
- IAAI Fire Investigation/Arson Task Force Seminar, Guelph, ON, 2004

EMPLOYMENT BACKGROUND

- Caskanette Udall Consulting Engineers
Engineering Technologist, Environmental Specialist, VP Marketing, H&S Supervisor, 2008-Present
Provide Consulting Services to Insurance and Legal Clientele
- Caskanette & Associates Consulting Engineers
Associate technical consultant, 2001-2008
Provide project support on Forensic Investigations for Insurance and Legal Clientele
- AMEC Earth and Environmental
Environmental Specialist, 2008
Provide Environmental Consulting Services to Commercial and Industrial Clientele
- Stantec Consulting Limited
Environmental Scientist, 2006-2007
Provide Environmental Consulting Services to Commercial and Industrial Clientele
- Itech Precision Cleaning and Environmental Services
Environmental Remediation Technician, 2005

Provide Environmental Remediation Services to Various Clientele

- Geo-Environmental Drilling Inc.
Environmental and Geotechnical Drilling Technician, 2004

PROFESSIONAL SOCIETIES

- Professional Engineers of Ontario (PEO)
- Ontario Association for Certified Engineering Technicians and Technologists (OACETT)
- Environmental Assessment Association (EAA)
- American Council for Accredited Certification (ACAC)
- The Institute of Inspection, Cleaning and Restoration Certification (IICRC)
- National Fire Protection Association (NFPA)
- Canadian Association of Fire Investigators (CAFI), Member of CAFI Executive, 2015 – Present, Currently 1st Vice President, Chapter 006 (Ontario)
- National Association of Fire Investigators (NAFI)
- International Association of Arson Investigators (IAAI)
- Society of Automotive Engineers (SAE)
- Indoor Air Quality Association (IAQA)
- American Industrial Hygienist Association (AIHA)
- American Society of Heating, Refrigeration and Air Conditioning Engineers (ASHRAE)
- Canadian Society of Forensic Science (CSFS)
- Canadian Association of Technical Accident Investigators & Reconstructionists (CATAIR)

LECTURES

- Agricultural Fire and Explosion Investigations and Hazards, CAFI Conference, Toronto, ON, May 2019
- Radon Gas & What You Need to Know, ACOM/CCI Toronto Condo Conference, Toronto, ON, Nov 12, 2016
- Subrogation for Plumbing Failures, Economical Kitchener, 2013
- Investigating Woodstove and Chimney Fires, OMIA, 2013
- Property Damages and Environmental Assessments, Sanderson Management, 2012
- Remediation of Roadside Fuel Spills from Vehicle Accidents, Economical Toronto, 2010
- Fuel Oil Tank Failure Causes, Guarantee Company, 2010
- Mould, Lead Based Paint and Asbestos Claims Handling, Allstate and Contractors, 2010
- Property Claims and Environmental Claims, Economical, 2009
- Fuel Oil Spill Remediation, ING Insurance, London, 2006

PUBLICATIONS

- Agricultural Fire and Explosion Investigations and Hazards, CAFI Conference, Toronto, ON, May 2019
- Oil Spill Remediation, *Forensic Engineering News and Views*, Volume 14, June, 2006
- Mould Abatement, *Forensic Engineering News and Views*, Volume 14, June, 2006
- Asbestos Abatement, *Forensic Engineering News and Views*, Volume 14, June, 2006
- Regulatory Changes (O.Reg. 258/08, O.Reg. 260/08), *Forensic Engineering News and Views*, Volume 17, December, 2008
- Update on Lead Regulations, *Forensic Engineering News and Views*, Volume 18, June, 2009
- Lead Based Paint, *The Pachyderm*, Summer 2009, September 2009, *Without Prejudice*, Vol. 76, No. 9, May 2012
- Marijuana Grow Ops and Clandestine Drug Labs, *Forensic Engineering News and Views*, Fall 2010; *Without Prejudice*, Vol. 76, No. 2, October 2011
- O.Reg. 511/09 Regulatory Update, *Forensic Engineering News and Views*, Fall 2010
- What to do About Smoke Residue, *Forensic Engineering News and Views*, Spring 2010

- Sewer Backups, Bacteria and Mould, *Forensic Engineering News and Views*, Fall 2009
- Wet Building Claims, *Forensic Engineering News and Views*, Volume 21, Spring 2011
- Moulds, *Canadian Condominium Institute "Review" Newsletter (London and Area)*, 2011/2012-1
- Hazardous Materials in Buildings, *Forensic Engineering News and Views*, Winter 2011
- Remediating Post-Fire Building Odours, *Forensic Engineering News and Views*, Spring 2012, *Without Prejudice*, Vol. 77, No. 3, November 2012
- VOC Sampling for IAQ, *Forensic Engineering News and Views*, Winter 2012
- Building Assessments & Environmental Issues Facing Property Managers, *Canadian Condominium Institute "Review" Newsletter (London and Area)*, 2012/2013-2
- Mould and What Property Managers Should Know, *Canadian Condominium Institute "Review" Newsletter (London and Area)*, 2012/2013-4
- Complex Environmental Remediation Projects, *Forensic Engineering News and Views*, Spring 2013, *Without Prejudice*, Vol. 78, No. 4, December 2013, *K-W OIAA Magazine*, March 2014
- Sewer Backups, Bacteria and Mould, *Forensic Engineering News and Views*, Winter 2013, *K-W OIAA Magazine*, February 2014
- Sump Pump Failures, *Forensic Engineering News and Views*, Spring 2014
- Infection Control Requirements in the Construction, Renovation and Maintenance of Health Care Facilities, *Forensic Engineering News and Views*, Fall 2014, *K-W OIAA Magazine*, December, 2014
- Investigating Commercial Kitchen Fires, *Forensic Engineering News and Views*, Spring 2015
- Residential Dryer Fires and Residential Electricity for Fire Investigators, *Forensic Engineering News and Views*, Fall 2015
- Winterizing a Cottage to Prevent Damages, *Forensic Engineering News and Views*, Fall 2015
- Environmental Consulting Credentials, *Forensic Engineering News and Views*, Spring 2016
- Radon Gas, *Forensic Engineering News and Views*, Fall 2016
- Mould Contamination in Buildings, *Forensic Engineering News and Views*, Spring 2017
- Smoke and Soot Mapping Analysis and Clearance Sampling within a Building, *Forensic Engineering News and Views*, Fall 2017; *K-W OIAA Magazine*, January 2018
- Legal Requirements for Designated Substances and Hazardous Materials in Buildings, *Forensic Engineering News and Views*, Spring 2018
- Fire Investigation of Buildings, Vehicles and Equipment, *Forensic Engineering News and Views*, Winter/Spring 2019
- Fentanyl and Narcotics Contamination Assessments in Buildings and Vehicles, *Forensic Engineering News and Views*, Fall 2019

COURT EXPERIENCE

- Provided expert testimony in Superior Court in the Province of Ontario (Court File No: SC-11-00011358-0000, Ciulei vs. Hercules, Judge Burns, September, 2012)

January 20, 2020