



DANNY C. MARMORA, B.Eng., P.Eng.
Principal & Expert Engineer

SPECIALIZED PROFESSIONAL COMPETENCE & EXPERTISE

Industrial and Construction Workplace Incident, Accident and Fatality Investigations
(in accordance with OHSA, CSA, MOL)
Ministry of Labour Order / Investigation Compliance Reporting
Due Diligence Reviews
Operational and Task Risk Assessments Involving Machinery Safety and Process Reliability
Physical and Electronic Guarding Specification, Design and Evaluation
Review and Evaluation of Flammable Liquid / Gas Dispensing and Hazardous Industrial Processes,
Materials, Operations and Area Classifications
Pre-Start Health and Safety Reviews / Machinery Assessments
Confined Space Evaluations
O.H.S.A / Fire Code / NFPA Code Compliance Analysis
Mechanical Equipment Failures
Process / Operations Incidents
Product Failure / Compliance / Liability Analysis
Extensive Manufacturing Experience Ranging from Plant Floor to Engineering Management

ACADEMIC BACKGROUND

Mechanical Engineering Degree, Ryerson Polytechnic University, Toronto, 1995
Mechanical Engineering Technology Diploma, (Honours), George Brown College, Toronto, 1991
Mechanical Engineering Technician Diploma, (Honours), George Brown College, Toronto, 1990

ADDITIONAL COURSES AND CERTIFICATIONS

JHSC Certified Member, WSIB, September 2009
JHSC Part Two Certification – Office Hazards, Gowlings Lafleur, Henderson, LLP, July 2009
JHSC Certified Member – Part One Training, Gowlings Lafleur, Henderson, LLP, June 2009
Mechanical Power Press Safety Standard, CSA Z142-02: CSA Offices, February 2003
Hazardous Area Classifications: Electrical Safety Authority, October 2002
Pre-Start Health and Safety Reviews, Section 7 of O.Reg 851: HITE Engineering, January 2002
Machine Guarding, CSA Z432-94, Safeguarding of Machinery: HITE Engineering, January 2002
Forensic Engineering / Failure Analysis: University of Toronto, April 2000
Comprehensive Project Management: University of Toronto, December 1999

EMPLOYMENT BACKGROUND

Consulting Engineering

Marmora Consulting Inc., Stoney Creek, Ontario 2010 - present

Principal & Expert Engineer, responsible for technical investigations specializing in:
Industrial Risk Assessments for Equipment / Process Safety & Improved Reliability
Pre-Start Health and Safety Reviews, Machine Guarding Safety Reviews
Workplace Accident and Fatality Investigations
Hazardous Industrial Processes, Materials, Operations and Area Classification Reviews
Occupational Health and Safety Audits Reviewing Combined Machinery, Process, Fire and
Personnel Safety for Compliance with Ontario Health and Safety Law
Machinery / Process / Product Failure Investigations
Commercial and Industrial Fire Suppression System Failures

Giffin Koerth Forensic Engineering & Science, Toronto, Ontario 2006 - 2010

Senior Forensic Engineer, responsible for technical investigations specializing in:
Workplace Accident and Fatality Investigations
Machinery / Process / Product Failure Investigations
Commercial and Industrial Fire Suppression System Failures
Commercial, Residential and Industrial Vessel / Piping Failure Investigations
Commercial, Residential and Industrial Material Failure investigations

Trow Associates, Brampton, Ontario 2004 – 2006

Senior Mechanical Engineer / Project Manager, responsibilities included:
Pre-Start Health and Safety Reviews, Machine Guarding Safety Reviews
Hazardous Industrial Processes, Materials, Operations and Area Classification Reviews
Business Development and Marketing Activities
Building Sciences – Review of Mechanical, Electrical and Fire Protection Systems in Large
Commercial / Residential Buildings

HITE Engineering, Mississauga, Ontario 2002 – 2004

Senior Consultant, responsibilities included:
Pre-Start Health and Safety Reviews, Machine Guarding Safety Reviews
Safety Engineering – Specification, Design and Evaluation
Review of Flammable Liquid / Gas Dispensing and Hazardous Area Classifications
Occupational Health and Safety - Equipment, Process and Facility Reviews in accordance with current
Occupational Health and Safety Legislation
In House / On-Site Training in the areas of PSR, Occupational Health and Safety, Fire and Electrical
Code, WHMIS and Confined Space Regulations

Industrial Practice

MUNCK Cranes, Stoney Creek, Ontario 2000 – 2001

Engineering Manager

Steelcase Canada , Markham, Ontario	1998 – 2000
Manufacturing Engineer, promoted to Resident Product Engineer	
SKF Canada , Scarborough, Ontario	1997 – 1998
Intermediate Application Engineer	
HUSKY Injection Molding Systems , Bolton, Ontario	1995 – 1997
Mold / Hot Runner Designer	

PROFESSIONAL SOCIETIES & INDUSTRY ASSOCIATIONS

Professional Engineers of Ontario
American Society of Mechanical Engineers
American Society of Metals
Canadian Society of Safety Engineers
Application in Process - Ontario Association of Certified Engineering Technicians and Technologists
Application in Process - American Society of Safety Engineers
Application in Process - Board of Registered Safety Professionals
WICC (Women in Insurance Cancer Crusade) Golden Horseshoe Chapter – Volunteer

EXPERT WITNESS TESTIFYING

Qualified as an expert in Mechanical Engineering – Ontario Superior Court of Justice 2007
Provided evidence at trial regarding an accident involving a window washer – 2007

SELECTED ACCIDENT / FATALITY INVESTIGATIONS

Critical worker injury resulting from limb entanglement with travelling crane
Industrial fatality resulting from dock leveler collapse on maintenance worker – J.H. Secord Ltd.
Critical injury resulting from fall of suspended window washer – P. Arseneault v. Premium Properties
Industrial fatality resulting from production worker becoming crushed in saw mill
Critical worker injury resulting from limb entrapment when bakery machine interlock guard failed
Collapse of constriction tower crane resulting from material failure
Construction worker fatality resulting from entanglement with materials and fall from elevated area
Construction injury resulting from lack of guardrails in interior of new home under construction
Fatality of small child resulting from a garage door collapse on them
Critical construction injury resulting from service access ladder installation collapse on worker

SPEAKING ENGAGEMENTS & TRAINING

Seminar Trainer, Gowlings Lafleur, Henderson, LLP, 2008 – present, providing the following training:

Pre-Start Health and Safety Reviews – Legislation and Applications

In House / On-Site Trainer, HITE Engineering, 2002 – 2004, providing the following training:

Pre-Start Health and Safety Reviews – Legislation and Applications

Ontario Fire Code 1997 – Parts 4 & 5

Ontario Electrical Code 2002 – Sections 18 & 20

Ontario Regulation 851 for Industrial Establishments

Ontario Regulation 860 for Workplace Hazardous Materials Information System, (WHMIS)