

International Educated Professionals Guide For Civil Engineers

GTA, Ontario, Canada

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Introduction

This guide line manual is prepared for International Educated Professionals, and is targeted for Civil Engineers. It is recommended for the reader to go through in detail, and then start adding his/her own information to complete the picture.

Canadian market here goes into two divisions:

Marketing Yourself:

It requires IEP to understand the basic elements for Human Resources (HR), how to write resume, print calling cards, perform cold calling, interview skills, networking, etc.

Engineering Background:

It requires IEP to understand the Acts & Regulations, Codes & Standards, etc.

This manual will just give an idea about HR materials, where it is recommended to the IEP to join Job Search Workshop (JSW) programs run by Citizenship Immigration of Canada (CIC) through any of the employment agencies.

This manual is to help IEP towards their licensing, and their engineering requirement, which is not given through any of JSW programs.

This is not a complete manual, and it needs the reader's help to complete and update it. So participation is required, (Help Others to Help Yourself).

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Human Resources

Job Search Workshop (JSW)

This is the name of the course offered by all Employment Agencies. Program length varies between 3 days, 1 week, 6 weeks, or 8 weeks.

National Occupational Code (NOC)

Labour Market

It is the supply and demand of work and exchange of labour. Statistics shows that 85% of job openings are not advertised (hidden job market).

Resume & Letter Writing

Resume is a controlled image, and can be tailored to present you in the best possible light to an employer. There are 3 major types of it: a Chronological Format, a Functional Format, and a Combination Format. (2 pages in A4 size) where it should cover: Personal Information, Objective, Highlight, Professional Experience, Education & Training, and References

Letter is designed to stir interest, and used in a Variety of situations. Its types: Cover Letter, Thank You letter, Follow-up Letter, Introduction, Cold Letter, Reference Letter.

Business & Calling Cards

Purchase special A4 Blank White Business Cards paper. Paper part number is 5376 or 5371. Each A4 gives 10 business cards. Go through MS Word, Mailings, Labels, option, product number and then new document.

Interview Techniques

The techniques should cover the following items:

Company research

Pleasantries & Small talking before/after job interview.

S.O.A.R. Format; developing situation, Ownership, Action, Result Examples.

Ontario Human Rights Code; protects people against discrimination.

Accomplishments

Prepare three examples of professional accomplishments to cover the 4 elements: Situation, Desired outcome, Action, Accomplishment statement

Networking and Building Relationships

Networking is making connection among people. It is either strategic – planned networking -, or serendipity which is unplanned that leads to a mutually beneficially relationship.

Cold Calling

It is contacting employers without the knowledge of an existing job lead opening. The potential lead is “Cold”. It could lead to an interview.

Informational Interview

It is One on one, pre-arranged workplace meeting between the person wanting information about a specific career area and a person who is already in that industry.



World Education Services
www.wes.org/ca

World Education Services (WES) is the leading source of international education intelligence. WES is a not for profit organization with over thirty years' experience evaluating international credentials. Their major purpose is to facilitate the integration of internationally educated individuals into the employment and education environment of their newly adopted country.

WES is a member of the Alliance of Credential Evaluation Services of Canada (ACESC: www.canalliance.org) and a charter member of the National Association of Credential Evaluation Services (www.NACES.org).

A WES evaluation compares your credentials from any country in the world to Canadian equivalent, whether it is a certificate, diploma or degree.

Required Documents

- Online account (WES Reference Number) and appropriate fees.
- WES Form
- Degree Certificate (Bachelor, Master, Ph.D.)
- Transcript Certificate (statement of grade)
- University envelop with back stamp (seal on flap).

Types of Evaluations

- Preliminary Online Equivalency.
- Document-By-Document (Basic) report.
- Comprehensive Course-By-Course evaluation.

SAMPLE REPORT=====

CREDENTIAL EVALUATION AND AUTHENTICATION REPORT

Name: Family name, Given name Date:
 Date of Birth: Month, Day, Year Ref#:

=====

CANADIAN EQUIVALENCY SUMMARY

Bachelor's degree in civil engineering from a recognized university

CREDENTIAL ANAYLSIS

Credential Authentication:	Official transcript were sent directly by the institution
Country	name of the country
Credential	Bachelor of Science
Awarded by	name of the university
Admission requirements	General Secondary Education Certificate
Length of program	Five years
Major/Specialization	Civil Engineering
Canadian Equivalency	Bachelor's degree (four years)



Professional Engineers Ontario
www.peo.on.ca

Practising the profession is governed by each province, not by the Federal Government of Canada. In Ontario, Professional Engineering Act, Regulation 941/90 is the act that governs all engineers in this province. There are several types of licensing, but will go toward the “P. Eng”.

PEO 26 disciplines:

- 1 Agricultural/Biosystems/Bioresource/
Food Engineering
- 2 Biomedical/Biochemical Engineering
- 3 Building Engineering
- 4 Chemical Engineering
- 5 Civil Engineering**
- 6 Computer Engineering
- 7 Electrical Engineering
- 8 Engineering Physics
- 9 Environmental Engineering
- 10 Forest Engineering
- 11 Geological Engineering
- 12 Geomatics Engineering
- 13 Industrial Engineerings
- 14 Manufacturing
- 15 Marine Engineering
- 16 Mechanical Engineering
- 17 Metallurgical Engineering
- 18 Mining and Mineral Processing Engineering
- 19 Nuclear Engineering
- 20 Naval Architectural Engineering
- 21 Petroleum Engineering
- 22 Software Engineering
- 23 Structural Engineering
- 24 Space engineering
- 25 Transportation Engineering
- 26 Water Resources Engineering

Terms to understand;

- | | |
|-------|---|
| PEO | Professional Engineers Ontario. |
| P.Eng | Professional Engineer. |
| EIT | Engineering Intern Training. |
| ARC | Academic Requirement Committee. |
| ERC | Experience Requirement Committee. |
| OSPE | Ontario Society of Professional Engineers |
| MRA | Mutual Recognition Agreement |
| CEP | Confirmatory Examination Program |
| CEAB | Canadian Engineering Accreditation Board |
| SEP | Specific Examination Program |
| PPE | Professional Practice Examination |

Technical Exam Program by discipline
<http://www.peo.on.ca/EXAM/Exams.htm>

N.B: Basic and Complementary Studies Text listings are common to all disciplines.

Procedures to get the P.Eng License: (estimated time 18 months, or more)

- Academic Requirement Committee (ARC)
- Experience Requirement Committee (ERC)
- Confirmatory Examination Program (CEP), sometime ERC waive it.
- Professional Practice Examination (PPE)
- 12 months of Canadian Experience
- Receive the P.Eng license.

Suggested Text 1998 CCPE Civil Syllabus

98-Civ-A1, Elementary Structural Analysis

Aslam Kassimali, Structural Analysis PWS Publishers Latest Edition ISBN # 0534950469

98-Civ-A2, Elementary Structural Design

Handbook of Steel Construction, Current Edition, Canadian Institute of Steel Construction
Concrete Design Handbook, Current Edition, Canadian Portland Cement Association
Wood Design Manual, Current Edition, Canadian Wood Council, Ottawa Tel: 613-247-7077

98-Civ-A3, Municipal Engineering

Viessman and Hammar, Water Supply and Pollution Control, 6th Edition, Harper Collins College Publishers ISBN # 0-321-01460-X, 1988
Brière, François G. (1999) Drinking-Water Distribution, Sewage, and Rainfall Collection, Presses internationale Polytechnique, École Polytechnique de Montréal. ISBN number: 2-55300-796-5
McGhee, T.J., Water Supply and Sewerage, 6th Edition, McGraw-Hill Publishing Co. ISBN # 0-07-060938-1, 1991
Metcalf & Eddy Inc., Wastewater Engineering: Collection and Pumping of Wastewater, McGraw-Hill Publishing Co. ISBN # 0-07-041680-X, 1981

98-Civ-A4, Geotechnical Materials and Analysis

R.F. Craig, Soil Mechanics, 5th Edition, Chapman Hall
B.J. Das, Principles of Geotechnical Engineering, 4th Edition, PWS-Kent

98-Civ-A5, Hydraulic Engineering

R.L. Daughtery, J.B. Franzini and E.J. Finnermore, Fluid Mechanics with Engineering Applications, 8th Edition, McGraw-Hill, 1985 (omit chapters 5, 9, 16, and 17)
A suitable alternate text is:
V.L. Streeter, E.B. Wylie, Fluid Mechanics, SI Edition, McGraw-Hill, 1981 (omit chapter 6 on compressible flow) Note there may be a more recent version of this text if there is please use the latest edition.

98-Civ-A6, Transportation Planning and Engineering

C.S. Papcostas & P.D. Prevedouros, Transportation Engineering and Planning, Prentice-Hall, 2nd Edition
Note: No available text, including the one recommended, adequately covers all topics in the Syllabus.
Candidates will have to seek more depth on: “Deterministic” queuing theory; rail, air, water, and pipeline systems; accidents.

98-Civ-B1, Advanced Structural Analysis

Ghali & A.M. Neville, Structural Analysis, Chapman & Hall, 4th Edition, John Wiley & Sons, New York, 1998 (edited by Garas & Virdi).

98-Civ-B2, Advanced Structural Design

G.L. Kulak & M.I. Gilmore, Limit States Design in Structural Steel, 6th Edition, Canadian Institute of Steel Construction, 1998
Michel Bruneau, Chia-Ming Uang, Andrew Stuart Whittaker, Ductile Design of Steel Structures – McGraw Hill Co. 1998
Edward G. Nawy, Prestressed Concrete: A Fundamental Approach, 5th edition, Prentice Hall, 2005
C.K. Wang et al, Reinforced Concrete Design, 6th Edition, Harper and Row, 1998
Handbook of Steel Construction, 7th Edition, Canadian Institute of Steel Construction, 1997

98-Civ-B3, Geotechnical Design

B.M. Das, Principles of Geotechnical Engineering 4th edition ITP Nelson 1998 ISBN # 0-534-95179-1 (1-800-268-2222)
B.M. Das, Principles of Foundation Engineering 3rd Edition ITP Nelson 1995 ISBN # 0-534-20646-8 (1-800-268-2222)
R.F. Craig, Soil Mechanics, 5th or 6th Edition, Van Nostrand Reinhold (U.K.) Co. Ltd. Nelson Canada - ISBN # 0-412-39590-8 note both out of print
E.A. McBean, F.A. Rovers, G.J. Farquhar, Solid Waste Landfill Engineering and Design Prentice Hall PTR, 1995, ISBN 0-13-079187-3, Chapter 9, Chapter 10
R.M. Koerner, Designing with Geosynthetics, 3rd edition, Prentice Hall, 1994, ISBN 0-13-847823-6, Section 2.8 and chapters 5 and 6.

98-Civ-B4, Engineering Hydrology

Viessman, Knapp, Lewis & Harbaugh, Introduction to Hydrology, 2nd Edition, Harper Row (ISBN # 0-7002-24971)

Ven Te Chow, David R. Maidment & Larry W. Mays, Applied Hydrology, McGraw-Hill, 1988, ISBN # 0-07-010810-2

Ray K. Linsley & Joseph B. Franzini, Water Resources Engineering, 3rd Edition, McGraw-Hill, 1979, ISBN # 0-07-037965-3

98-Civ-B5, Water Supply and Wastewater Treatment

Viessman and Hammar, Water Supply and Pollution Control, 6th Edition, Harper Collins College Publishers ISBN # 0-321-01460-X, 1988

R.L. Droste, Theory and Practice of Water and Wastewater Treatment, J. Wiley and Sons Inc. New York, N.Y., 1997

98-Civ-B6, Urban and Regional Planning

Gerald Hodge and David Gordon, Planning Canadian Communities: An Introduction to the Principles, Practice and Participants, 5th Edition, Nelson Canada, Toronto, 2008.

John Sewell, The Shape of the City – Toronto Struggles with Modern Planning, University of Toronto, Toronto, 1993.

Frank S. So and Judith Getzels (eds.) The Practice of Local Government Planning, 2nd Edition, International City Management Association,

Washington D.C., 1988 (available at reference libraries) Consider supplemental to the two primary texts above.

Note: It is recommended that candidates contact the local Municipal Planning Office in their area and review material similar to the Citizen's Guide to the Land Use Planning System in Ontario (see www.mah.gov.on.ca/business/guides/index-e.htm).

98-Civ-B7, Highway Engineering

Huang, Yang H. Pavement Analysis and Design, 1993, Prentice Hall, Englewood Cliffs, New Jersey
American Association of State Highway and Transportation Officials (AASHTO), 1993. AASHTO guide for design of pavement structures. Washington, D.C.

Asphalt Institute (1989). The Asphalt Handbook. Manual Series # 4 (MS-4), Lexington, Kentucky
Roads and Transportation Association of Canada, 1986, Manual of geometric design standards for Canadian roads. Roads and Transportation Association of Canada, Ottawa.

Haas, R, Hudson, W.R., and Zaniewski, J., 1994. Modern Pavement Management, Krieger Publishing Company, Malabar, Florida

Or

Shahin, M.Y., 1994, Pavement Management for Airports, Roads and Parking Lots, Chapman & Hall, New York

Note to candidates, the above listed textbooks are only suggested text. The list does not define or limit the syllabus.

98-Civ-B8, Management of Construction

Donald S. Barrie and Boyd C. Paulson Jr., Professional Construction Management, McGraw-Hill, 1991, ISBN # 0070038899

Ontario Health and Safety Act, Ontario Regulation 213/91 (Construction Projects), Queen's Printing of Ontario, May 10, 1991. The

provincial legislation is quite similar in all provinces. The candidate should obtain the Health and Safety Act of their province for study.

98-Civ-B9, Applications of the Finite Element Method

R.D. Cook, D.S. Malkus, & M.E. Plasha, Concepts and Applications of Element Analysis, 3rd Ed., John Wiley & Sons, ISBN # 0-471-84788-7

98-Civ-B10, Traffic Engineering

Roess, McShane & Prassas, Traffic Engineering, 3rd Edition, Pearson/Prentice-Hall Polytechnic Series, 2004. ISBN # 0-131-42471-8

Updated: May 2008

PEO / ARC
Confirmatory Exam Program Requirements
Civil Engineering

Civil Engineering Technical Exams. You must choose three of your four exams from Civil Engineering Technical Exam list. Two of these exams must be from Group A and one from Group B listed below.

The following restrictions apply:

If you choose 98-Civ-A1, do not choose 98-Civ-B1

If you choose 98-Civ-A2, do not choose 98-Civ-B2

Civil Engineering Technical Exams			
Group A		Group B	
98-Civ-A1	Elementary Structural Analysis	98-Civ-B1	Advance Structure Analysis
98-Civ-A2	Elementary Structural Design	98-Civ-B2	Advance Structure Design
98-Civ-A3	Municipal Engineering	98-Civ-B3	Geotechnical Design
98-Civ-A4	Geotechnical Materials and Analysis	98-Civ-B4	Engineering Hydrology
98-Civ-A5	Hydraulic Engineering	98-Civ-B5	Water Supply and Wastewater treatment
98-Civ-A6	Transportation Planning and Engineering	98-Civ-B7	Highway Engineering
		98-Civ-B9	Application of the finite element method
		98-Civ-B10	Traffic Engineering

Complementary Studies. You must also choose one exam from the Complementary Studies below.

Complementary Studies	
98-CS-1	Engineering Economics
98-CS-2	Engineering in Society – Health, Safety, and Environment
98-CS-3	Management Concepts for Engineers

Important Note; ARC will send your file to ERC, and will ask EIT to take CEP. Only ERC can accept the international experience, and can request to waive the CEP. Good preparation to ERC is requested.

International –Educated Engineers Qualification Bridging (IEEQB) Program

IEEQ; Ryerson University

http://www.feas.ryerson.ca/styles/1/ieeqb_program/index.html

Fall 2009 Classes commence on Tue Sep, 8 / 2009

IEP can submit your paper until the first week of Sept 1st – 4th

Please find attached the link to the undergraduate 2009 - 2010 calendar <http://www.ryerson.ca/calendar/2009-2010/pg2398.html>.

Notes:

- 1- In order to take PEO courses, some of them require pre-courses
- 2- You can find the course description in the above link
- 3- Minimum courses will be 6, and maximum courses are 9, depend on your educational plan.

Scenario

PEO Code	Ryerson Code	No. of courses	Comments
98-Civ-A1	CVL313	1 course	
98-Civ-A4	CVL424	2 courses	
	CVL600		
98-Civ-B2	CVL411	2 courses	
	CVL904		
98-CS-1	CECN801	1 course	Compulsory by PEO
IEEQB Required			
	CEN800	1 course	Compulsory by Ryerson
	CCMN432	1 course	Compulsory by Ryerson
Total Courses		8 courses	

More information

PEO code	Ryerson Code
A5	CVL425
B1	CVL312
B3	CVL660
B6	CVL353
B8	CVL742
B9	MCC626

Ontario Society for Professional Engineers (www.OSPE.on.ca)

Courses/Programs by Discipline

<http://www.ospe.on.ca/pd/index.cfm?task=viewcoursesdiscipline>



**The Ontario Association of Certified Engineering Technicians
and Technologists.**

www.oacett.org

If you are an associate member, here is how to proceed towards certification through OACETT:

- Arrange for your school to send your official post-secondary transcript by mail directly to OACETT so that the association can verify your education.
- Send OACETT your detailed resume
- Send OACETT the names/addresses of three professional references who can comment on your work.
- Send OACETT a detailed job description (current or previous), preferably signed by your supervisor.
- Take the Professional Practice Examination.
- Write a Technology Report (for certification as a Technologist only).

Here is how the certification process works:

When we have received your transcripts, resumes, job description and completed references, the Institute of Engineering Technology of Ontario (IETO), OACETT's certification and registration arm, evaluates your academic and engineering technology experience.

To become a certified engineering technologist (C.E.T.) or applied science technologist (A.Sc.T.) or certified technician (C.Tech.) you must have at least two years of experience in the field or discipline of engineering/applied science technology in which you are seeking registration.

The review determines if you need any more academic requirements and/or work experience

To become a certified member of OACETT. Please note that this review can take eight to 10 weeks after we receive all the documentation listed above.

2. IETO will send you a report about the review. Each application is different and to become certified, you may need to complete additional courses and work experience. If needed, we will send you a personalized program that outlines any other steps you need to take. The report will give you an idea of how long it will take you to complete the process. It is important not to let your membership lapse during the process.

3. To become certified as a technician or a technologist, associate members must write and pass the Professional Practice Examination (PPE). Writing the PPE enables you to meet the high professional standards set by your association in the area of ethics and responsibility to the public and your employer. You may write the PPE any time after you join as an associate member.

4. OACETT may require you to write a Technology Report (TR) to become certified as a C.E.T. The Technology Report assesses your ability to describe in detail and examine an engineering or applied science problem. You must submit a proposal for approval before submitting the completed report. The report topic should be appropriate to your experience and employment setting. You may complete this requirement any time after you become an associate member. When you have met all the requirements, IETO will inform you in writing of your new status as a certified member. We will send you your certificate and publish your name in The Ontario Technologist magazine.

You will be eligible for all benefits reserved for certified members, including the right to use one of the protected titles, C.E.T., A.Sc.T. , or C.Tech., and to buy a technology ring and stamp.

You must be able to demonstrate a facility with the working language and a facility with the standards, codes and practices of the discipline in which certification is being sought. Normally these are gained by working in Canada for one year.



Ontario General Contractors Association

www.ogca.ca

The OGCA offers CCA approved Gold Seal Certification Programs to their members. Designed for construction Project Managers, Superintendents, Estimators and Owners' Project Managers, Gold Seal Certification is based on the candidate's education, experience and their ability to satisfy the rigorous standards of the Program.

http://www.goldsealcertification.com/overview/about/about_e.asp



COURSE DESCRIPTION

BUILDING CODE COMPLIANCE FOR CONSTRUCTION SUPERVISORS

A vital tool to understanding the Ontario Building Code Act and regulations of the Ontario Building Code (within emphasis on parts 1, 2 and 3), as well as comprehending Code compliance fundamentals, including statute law in Ontario, permit and inspection process, roles and responsibilities for Code implementation, occupancy procedures, reports and records, this course is increasingly being used by industry professionals who are looking to grow within the construction industry. Participants of this CCA Gold Seal-approved course include current and future construction site supervisors and forepersons as well as architects, engineers, members of OCET/AATO, developers, building and fire department inspectors, plan reviewers, and other Building Code enforcement employees. In addition, those participants who complete the course with an attendance record at, or above 80% receive certification of course completion. (30 hours)

MANAGEMENT FOR CONSTRUCTION SUPERINTENDENTS

Re-developed specifically for general contracting superintendents, this course emphasizes how to apply management principles that are important to the daily operation of a construction project. This course will specifically help participants to develop the managerial skills required to maximize effective results and profitable performance on the job. (30 hours)

PROJECT CONTROL AND ADMINISTRATION

This course offers participants the opportunity to develop their understanding of project control and to identify its relationship to performance, productivity, and profit. With an emphasis on managerial approaches to time, money, human resources, services, and paper, this course also provides students with a detailed understanding of contract changes, contract extras, contract back-charges, deliveries, accounting procedures, time keeping, records, and budget control. (30 hours)

CONSTRUCTION LAW

Designed to provide students with a foundation to understand contractual rights and obligations, specifically related to construction project performance and provincial legislation, this course is ideal for current and future professionals that want to advance their knowledge of construction law. Specific focus will be placed on such topics as contract documents, clause interpretation, court cases, by-laws, building codes, legal terms, the Construction Lien Act, dispute case studies as well as provide tools to help professionals avoid potential legal problems. (30 hours)

2

FUNDAMENTALS OF CONCRETE TECHNOLOGY

The OGCA and RMCAO are pleased to announce the development of this new course which focuses on advanced concrete construction issues. This course is designed to educate project managers, project engineers, superintendents and foremen on the fundamental properties of ready mixed concrete. It also focuses on the fundamentals of ready mixed concrete design, production, transportation, placement, consolidation, finishing, curing and performance evaluation. Prerequisites: Familiarity with concrete specifications and standards (CSA A23.1/2.), construction and evaluation on commercial projects. (30 hours)

STEEL CONSTRUCTION

This program will provide the student with sufficient training to ensure they have a basic knowledge of the Structural Steel and Metal Industry with respect to building construction operations, with particular reference to their responsibility as Superintendents for General Contractors. (30 hours)

RISK MANAGEMENT FOR CONTRACTORS

This course is designed to cover one of the most critical challenges in the construction industry – risk management. Students will gain an understanding of the various risk categories (legal, contractual, physical, environmental, financial, and personnel) as well as dispute resolution, a vital factor any current, or future construction professional must understand. Conducted by qualified instructors with years of industry experience, the course material is also supported through a detailed reference text that contains a host of Canadian construction case studies that will encourage class discussion. (30 hours)

MANAGING HUMAN RESOURCES FOR CONTRACTORS

With an emphasis on practical content for today’s construction managers, this course provides students with industry-specific information on such topics as employment law, labour relations, and computers in the workplace. The course will also be examining such vital content as recruiting, training, hiring, and compensating personnel. (30 hours)

COST CONTROL FOR CONTRACTORS

An important tool for today’s construction managers who want to understand cost control systems and how to estimate and monitor project profit, this course will examine the exposure to, and management of, construction industry costs. Designed for general and trade contractors in the industrial, commercial, and institutional sectors of the construction industry, this course reviews the rationale behind, and basic principles of, cost control and examines organizational formats, computer programs, inter-company communication, accurate feedback, and uses of costing data. (30 hours)

PLANNING AND SCHEDULING FOR CONTRACTORS

Designed to give participants an understanding of the potential for improved planning and scheduling skills, this course examines basic principles, bar charts manpower curves, critical path techniques, and computer tool and printouts. (30 hours)

LEADERSHIP ON THE JOB SITE

The Goal of a Superintendent must be to pull all of the elements of the job-site together to get a project completed on time and within budget. Many Site Superintendents and other people in a leadership role a jobsites have a wide variety of construction skills, but one thing they have never been trained to do is lead a group of people effectively. This course will help your people develop the skills needed to set and achieve personal goals, motivate workers, trades and professionals, communicate effectively, develop teamwork, resolve conflicts, manage stress and much more. (30 hours)

CONSTRUCTION CLAIMS MANAGEMENT COURSE

This course is designed to enhance the ability of staff at all levels in the general contractor's organization to deal effectively with construction claims. Whether your challenge is to convince an owner of your entitlement to recovery of additional costs on a project, or to negotiate a claim for extra cost from a subcontractor, this course will provide you the information required to achieve a successful outcome. (30 hours)

HEALTH AND SAFETY RISK MANAGEMENT FOR GENERAL CONTRACTORS

This 1 week course, designed by Norm Keith, B.A. LL.B., CRSP a leading employment and labour lawyer and author of Canadian Health & Safety Law & how to achieve due diligence. The course will give students the tools to establish and improve company health and safety programs, to monitor them, and to minimize corporate costs and exposures to personal and corporate liability.

MOULD GUIDELINES FOR THE CANADIAN CONSTRUCTION INDUSTRY SEMINAR

This course, developed by the Canadian Construction Association, will be instructed by Bruce Stewart, B. Sc., CIH, ROH, Vice President of Pinchin Environmental, a national environmental health and safety consulting firm. Mr. Stewart specializes in the assessment and control of health hazards in general use buildings, particularly indoor air quality, mould contamination, asbestos and lead. (Full day seminar)

LEED FOR CONSTRUCTION

This ½ day seminar introduces the LEED rating system and sustainable design issues that affect general and trade contractors, manufacturers and suppliers. It provides tips on construction waste management, commissioning green buildings, managing a sustainable construction site and what materials to choose and why. If you are Senior Construction Management, Project Manager/Coordinator, Estimator for General and Trade Contractors, Sub-Contractors and the list goes on you should attend this seminar. (Can be taken via virtual classroom)

Ministry of Municipal Affairs and Housing Courses –Prerequisite for OGCA Members only

Building Code Course

- An Introduction to Property Standards Enforcement (1 credit)
- Basic Plan Examination (5 credits)
- Building Plumbing Inspection (5 credits)
- Building Science Applications(5 credits)
- Intermediate Plumbing (5 credits)
- Introduction to Building Science (5 credits)
- Large Buildings Classification and Construction (5 credits)
- Large Building Health and Safety Requirements (5 credits)
- Part 3 Fire Protection (5 credits)
- Part 3 Fire Rated Building Materials and Assemblies(5 credits)
- Part 3 Life Safety Systems (5 credits)
- Part 8 On Site Sewage System (
- Part 9 Building Envelope Index (5 credits)
- Part 9 Building Structural Requirements (5 credits)
- Part 9 Buildings HVAC and Fire Protection (5 credits)
- Part 9 Footing Design (1 credit)
- Part 9 The House – Health and Safety (5 credits)
- Parts 10 & 11 Buildings Renovations and Change of Use (5 credits)
- Plan Examination Strategies (5 credits)
- Soil Mechanics (1 credit)
- Water Supply and Waste Disposal (5 credits)
- Wood Heat Safety (5 credits)

http://www.ogca.ca/uploads/download/file/223/course_descriptions_as_of_Jan09doc.pdf

Gold Seal Certification

Superintendents, project managers and estimators in the construction industry who are interested in receiving certification may apply for national certification under the [Canadian Construction Association \(CCA\) Gold Seal Certification](#) program.



Gold Seal Certification is a declaration of skill and competence that is recognized by the construction industry across Canada. The certification enhances the mobility and professional development of construction managers.

The [Gold Seal Certification](#) process is based on academic achievements, special industry courses and attained experience. George Brown offers nine courses that each carry a five-point value toward the CCA Gold Seal Certification program. An exam (held twice per year) is required, with a passing grade of 75%.

Note: Those superintendents who have been maintaining a log book from the now obsolete Ontario General Contractors Association (OGCA) certification program may submit copies of appropriate pages, or copies of their Certificates of Completion, with their Gold Seal application, and receive full credit.

[Do you have a great story to tell about a George Brown Continuing Education class or program?](#)

These courses carry a five-point value toward the Gold Seal Certification program.

For information, call **416-415-5000, ext. 4861**, or e-mail cetechnology@georgebrown.ca.

- [BLDG 9222 Building Code Compliance for Site Supervisors](#)
- [BLDG 9069 Concrete Construction](#)
- [BLDG 9067 Construction Law](#)
- [BLDG 9223 Construction Site Safety](#)
- [BLDG 9214 Lightweight Steel Framing](#)
- [BLDG 9066 Management for Construction Superintendents](#)
- [BLDG 9131 Overview of the Construction Industry](#)
- [BLDG 9055 Part 3 – Large Buildings – Classification and Construction](#)
- [BLDG 9076 Part 9 – The House – Building Envelope](#)
- [BLDG 9033 Part 9 – The House – Health and Safety](#)
- [BLDG 9032 Part 9 – Buildings – HVAC and Fire Protection](#)
- [BLDG 9031 Part 9 – Buildings – Structural Requirements](#)
- [BLDG 9215 Residential Wood Framing](#)
- [BLDG 9079 Risk Management for Contractors](#)
- [BLDG 9070 Steel Construction](#)

<http://coned.georgebrown.ca/section/tech/gold.html>

Other Certificates



www.pmi.org

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- > PMI-RMP[®]
- > PMP[®]
- > PMI-SP[®]
- > PgMP[®]

The PMI Family of Credentials

	CAPM [®]	PMI-SP [™]	PMI-RMP [™]	PMP [®]	PgMP [®]
Full Name	Certified Associate in Project Management	PMI Scheduling Professional	PMI Risk Management Professional	Project Management Professional	Program Management Professional
Project Role	Contributes to project team	Develops and maintains project schedule	Assesses and identifies risks and mitigates threats and capitalizes opportunities	Leads and directs project teams	Achieves an organizational objective through defining and overseeing projects and resources
Eligibility Requirements	High school diploma/global equivalent AND 1,500 hours experience OR 23 hours pm education	High school diploma/global equivalent 5,000 hours project scheduling experience 40 hours project scheduling education OR Bachelor's degree/global equivalent 3,500 hours project scheduling experience 30 hours project scheduling education	High school diploma/global equivalent 4,500 hours project risk management experience 40 hours project risk management education OR Bachelor's degree/global equivalent 3,000 hours project risk management experience 30 hours project risk management education	High school diploma/global equivalent 5 years project management experience 35 hours project management education OR Bachelor's degree/global equivalent 3 years project management experience 35 hours project management education	High school diploma/global equivalent 4 years project management experience 7 years program management experience OR Bachelor's degree/global equivalent 4 years project management experience 4 years program management experience
Steps to Obtaining Credential	application process + multiple-choice exam	application process + multiple-choice exam	application process + multiple-choice exam	application process + multiple-choice exam	3 evaluations – application panel review + multiple-choice exam + multi-rater assessment
Exam Information	3 hours; 150 questions	3.5 hours; 170 questions	3.5 hours; 170 questions	4 hours; 200 questions	4 hours; 170 questions
Fees	US\$225 PMI member (US\$300 non-member)	US\$520 PMI member (US\$670 non-member)	US\$520 PMI member (US\$670 non-member)	US\$405 PMI member (US\$555 non-member)	US\$1,500 PMI member (US\$1,800 non-member)
Credential Maintenance Cycles and Requirements	5 years; re-exam	3 years; 30 PDUs in project scheduling	3 years; 30 PDUs in risk management	3 years; 60 PDUs	3 years; 60 PDUs

For complete details on eligibility requirements, read the online handbook for the credential for which you plan to apply.

Recommended Book to read; <http://pmbook.ce.cmu.edu/>



American Concrete Institute
www.concrete.org

Certification Program

http://www.concrete.org/certification/Cert_pgminfo.asp?pgm=Concrete+Transportation+Construction+Inspector

ACI Inspector Certification Program: Concrete Transportation Construction Inspector

Certification Program: ACI Inspector Certification Program

Certification Level: Concrete Transportation Construction Inspector

The program requires a knowledge of concrete construction, including plans reading, soil-cement, piling installations, formwork installation and removal, reinforcements, embedments, sampling and testing freshly mixed concrete, conveying, placing, consolidation, finishing, jointing curing, and protection.

The technical resource materials used in these programs include the following:

ACI PUBLICATIONS

- SP-2 - Manual of Concrete Inspection
- 116R - Cement and Concrete Terminology
- 117 - Tolerances for Concrete Construction and Materials
- 301 - Specifications for Structural Concrete
- 304R - Measuring, Mixing, Transporting and Placing Concrete
- 304.2R - Placing Concrete by Pumping Methods
- 304.5R - Batching, Mixing, and Job Control of Lightweight Concrete
- 305R - Hot Weather Concreting
- 306R - Cold Weather Concreting
- 308 - Curing Concrete
- 309R - Consolidation of Concrete
- 318 - Building Code Requirements for Reinforced Concrete
- 325.9R - Construction of Pavements and Bases
- 325.10R - Roller Compacted Concrete Pavements
- 336.3R - Construction of Drilled Piers
- 345R - Highway Bridge Deck Construction
- 347R - Formwork for Concrete
- 543R - Design, Manufacture and Installation of Concrete Piles

ASTM PUBLICATIONS

- C 29 - Unit Weight and Voids in Aggregates
- C 94 - Specification for Ready-Mixed Concrete
- E 329 - Evaluation of Testing and Inspection Agencies

PCA PUBLICATIONS

- PCA Design and Control of Concrete Mixtures
- PCA Soil-Cement Construction Handbook
- PCA Soil-Cement Inspector's Manual

CRSI PUBLICATIONS

- CRSI Manual of Standard Practice (MSP)



Canada Green Building Council

www.cagbc.org

Canada Green Building Council introduced CaGBC **LEED**® Accredited Professional, shortly known as (LEED APs) in Canada since 2001.

Other sources:

Leadership in Energy and Environmental Design

http://en.wikipedia.org/wiki/Leadership_in_Energy_and_Environmental_Design

George Brown College / Technology and Trades courses / LEED

http://courses.georgebrown.ca/owa_prod/cewskcrss.P_ProgStream?area_code=PA0019&stream_code=PS0283

Building Science.

<http://www.wbdg.org/design/envelope.php>

Structural Engineer

Here are books that I would recommend for Structural analysis and design.

- 1) Soil Mechanics by Cernica (this book is very well written and is very easy to follow with lots of solved examples in soil mechanics)
- 2) Structural Analysis by Amin Ghali (he currently teaches at University of Calgary)
- 3) Foundation Analysis and Design by Bowels (this book is American but its content is valid for Canada as well)
- 4) Reinforced Concrete Design by McGregor (he use to teach at the University of Alberta and is a member of the American Concrete Institute ACI)
- 5) CPCA handbook, this is the concrete code for Canada and it explains CSA A23.3 with many solved examples at the back
- 6) Design of Steel Structures by Salmon (this book is geared towards the AISC but is also valid for Canada)
- 7) CISC handbook, this contains the Canadian code for steel design and also detailing of connections and welds.

I think you will be able to locate the CPCA and Reinforced Concrete by McGregor in the Ryerson University book store. You will probably be able to get them for a reduced price if you have enrolled in the university. I am not sure if the CPCA handbook was offered in PDF format. You can get it also from the website of the Cement Association of Canada:

<http://www.cement.ca/index.php/en/Publications/Publications.html>

If you get the Concrete Design handbook most likely you will not need McGregor. The handbook also has many solved examples on design as well as a lot of information on steel reinforcement detailing to Canadian standard A23.3 for slabs, beams, columns, walls etc..

You might want to look for a book called "Concrete Detailing" by Bangash.

You can download the codes from www.csa.ca

MIT Open Course Ware

Free educational materials for Civil Engineers

<http://ocw.mit.edu/OcwWeb/Civil-and-Environmental-Engineering/index.htm>

Transportation Engineer

Transportation Association of Canada (TAC) www.tac-atc.ca
Ontario Provincial Standards (OPS) www.ops.on.ca

Ontario Provincial Standards for Roads & Public Works

<http://www.raqsb.mto.gov.on.ca/techpubs/OPS.nsf/OPSHomepage>

Municipal & Provincial Common: OPS Volume 1 - General & Construction Specifications
OPS Volume 2 - Material Specifications
OPS Volume 3 - Drawings for Roads, Drainage, Sanitary Sewers, Watermains, & Structures
OPS Volume 4 - Drawings for Electrical Work
Provincial-Oriented: OPS Volume 5 –
MTO General Conditions of Contract and General & Construction Specifications
OPS Volume 6 - Material Specifications
Municipal-Oriented: OPS Volume 7 –
OPS General Conditions of Contract and General & Construction Specifications
OPS Volume 8 - Material Specifications
Revision Info Sheets
Ontario Provincial Standards User Notes
ARCHIVES
OPS Updates
MTO Research Library Online Catalogue



Construction Specification Institute (CSI)
<http://www.csinet.org>

Inside Standards & Formats

- + Building Information Modeling/Management+ OmniClass (OCCS): A Place for Everything (BIM)
- + Sustainability
- + GreenFormat
- + UniFormat
- + MasterFormat
- + The Project Resource Manual (PRM)- CSI Manual of Practice
- + SectionFormat / PageFormat
- + Preliminary Project Description Guide
- + Master Guide Specifications- Develop your Office Master Specifications
- + National CAD Standard (NCS)
- + International Framework Dictionary (IFD)
- + 2030 Challenge

Documents

- MasterFormat™ 2004 Edition: Numbers & Titles (PDF)
- MasterFormat Now Available On Line
- CSI’s Guiding Technical Principles (updated 7/11/06) (PDF)
- CSI Technical Committee Seeks Assistance

http://www.csinet.org/s_csi/sec.asp?TRACKID=&CID=5&DID=5

Specifications (Project Manual)

Uniform Construction Index format is more commonly known as the Construction Specification Institute (CSI) or 16-division format. Divisions 2 through 16 are known as the technical part of the specifications. These divisions include the required materials and the expected results. Each division is usually further subdivided into the following sections

- 1- Scope of work
- 2- Quality of materials
- 3- Workmanship in terms of fabrication and erection.

CSI Format

Div. 1	General Requirement	Div. 9	Finishes
Div. 2	Sitework	Div. 10	Specialties
Div. 3	Concrete	Div. 11	Equipment
Div. 4	Masonry	Div. 12	Furnishings
Div. 5	Metals	Div. 13	Special Construction
Div. 6	Wood and plastics	Div. 14	Conveying systems
Div. 7	Thermal and moisture protection	Div. 15	Mechanical
Div. 8	Doors and windows	Div. 16	Electrical

Construction Estimating

Types of Estimates

- Feasibility Estimates
- Conceptual Estimates
- Functional Unit Price Estimate
- Unit Cost Per Square Foot Estimate
- Unit Cost Per Cubic Foot Estimate
- Factor Estimating
- System Estimate (Elemental Estimates or Parametric Estimates)
- Detailed Estimates
- Subcontractor System Estimate
- Change of Estimate
- Progress Estimates

Construction costs book:

- R.S. Means Construction Cost Data – R. S. Means Company www.meanscostworks.com
- Dodge Manual – McGraw-Hill Cost Information System
- Walker’s Building Estimator’s Reference Book – Frank R. Walker Company
- National Construction Estimator – Craftsman Books

Forms Used to develop a detailed estimate

- Quantity takeoff
- Pricing spreadsheet
- Summary sheet
- Recapitulation Sheet
- Bid tally Sheet

Contracting

General Conditions of the Contract for Construction

- | | | | |
|---|--|----|---|
| 1 | General Provisions | 8 | Time |
| 2 | Owner | 9 | Payments and completion |
| 3 | Contractor | 10 | Protection of persons and property |
| 4 | Administration of the contract | 11 | Insurance and bonds |
| 5 | Subcontractor | 12 | Uncovering and correction of work |
| 6 | Construction by owner or by separate contractors | 13 | Miscellaneous Provisions |
| 7 | Changes in work | 14 | Termination or Suspension of the contract |

Reference:

The American Institute of Architects; AIA Document A201

<http://academics.triton.edu/faculty/fheitzman/A201%20-%20General%20Conditions.pdf>

AIA Document A101

Standard Form of Agreement Between Owner and Contractor (Stipulated Sum)

Project Management

a project is a temporary endeavor undertaken to create a unique product or service. Temporary means that every project has a definite beginning and a definite end. *Unique* means that the product or service is different in some distinguishing way from all other products or services.

Project management is the application of knowledge, skills, tools, and techniques to project activities to meet project requirements. Project management is accomplished through the use of the processes such as: initiating, planning, executing, controlling, and closing.

Section I: The Project Management Framework

- Chapter 1 Introduction
- Chapter 2 The Project Management Context
- Chapter 3 Project Management Process

Section II: The Project Management Knowledge Area

- Chapter 4 Project Integration Management
- Chapter 5 Project Scope Management
- Chapter 6 Project Time Management
- Chapter 7 Project Cost Management
- Chapter 8 Project Quality Management
- Chapter 9 Project Human Resource Management
- Chapter 10 Project Communication Management
- Chapter 11 Project Risk Management
- Chapter 12 Project Procurement Management

References:

- + A guide to the Project Management Body of Knowledge (PMBOK Guide)
- + Project Management: A System Approach to Planning, Scheduling, and Controlling, "Harold Kerzner", John Wiley & Sons
- + <http://pmbok.ce.cmu.edu/>

Building Permit

City of Mississauga
Building Permit Guide
For House and Small Buildings of Residential Use
http://www.mississauga.ca/file/COM/Residential_Building_Permit_Guide_PDF.pdf

Planning and Building eCity Information Page
www.mississauga.ca/portal/residents/planningandbuilding

Marketing & SWOT Analysis

<http://www.sheridanc.on.ca/~nowell/marketing/mark1.htm>

Ontario Building Code (OBC)
<http://www.obc.mah.gov.on.ca/site4.aspx>

- Part 1 Scope and Definitions
- Part 2 General Requirements
- Part 3 Fire Protection, Occupant Safety and Accessibility
- Part 4 Structural Design
- Part 5 Wind, Water, and Vapour Protection
- Part 6 Heating, Ventilating, and Air-Conditioning
- Part 7 Plumbing
- Part 8 Sewage System
- Part 9 Housing and Small Buildings
 - Structural Requirements
 - HVAC and Fire Protection
 - Footing Design
- Part 10 Change of use
- Part 11 Renovation
- Part 12 Transition, Revocation and Commencement
- Appendix A: Explanatory Information
- Appendix B: Imperial Conversion



Canadian Standards Association
www.csa.ca

The Canadian Standards Association is a **not-for-profit membership-based association** serving business, industry, government and consumers in Canada and the global marketplace.

As a solutions-oriented organization, we work in Canada and around the world to **develop standards** that address real needs, such as enhancing [public health and safety](#). Advancing the quality of life. Helping to preserve the environment. Facilitating trade.

Standards

- [Business & Quality Management](#)
- [Construction](#)

In every construction project, from a single-storey structure to the most complex skyscraper or bridge, standards play a vital role in helping to address important issues including safety, reliability, energy efficiency, durability and economy. Canadian Standards Associations (CSA) construction standards provide critical and innovative information for designers, builders, manufacturers, suppliers and distributors

 - [Building Products](#)
 - [Building Systems](#)
 - [Concrete](#)
 - [Construction Codes](#)
 - [Factory Built Buildings \(Including Mobile Homes\)](#)
 - [Masonry](#)
 - [Plumbing Products and Materials](#)
 - [Structures](#)
 - [Welding and Structural Metals](#)
 - [Wood](#)
- [Electrical](#)
- [Energy](#)
- [Environment](#)
- [Health Care](#)
- [Information Technology & Telecommunication](#)
- [Mechanical & Industrial Equipment](#)
- [Occupational Health and Safety](#)
- [Public & Community Safety](#)

Acts & Regulations

Employment Standards Act

http://www.e-laws.gov.on.ca/html/statutes/english/elaws_statutes_00e41_e.htm

Occupational Health & Safety Act (OHSA)

http://www.e-laws.gov.on.ca/html/statutes/english/elaws_statutes_90o01_e.htm

Workplace Hazardous Materials Information System (WHMIS)

<http://www.hc-sc.gc.ca/ewh-semt/occup-travail/whmis-simdut/index-eng.php>

Workplace Safety and Insurance Act

<http://www.wsib.on.ca/wsib/wsibsite.nsf/Public/workplacesafetyandinsuranceact>

http://www.e-laws.gov.on.ca/html/statutes/english/elaws_statutes_97w16_e.htm

Professional Engineers Act

http://www.e-laws.gov.on.ca/html/statutes/english/elaws_statutes_90p28_e.htm

<http://www.peo.on.ca/aboutpeo/A2.html>

Building Code Act

http://www.e-laws.gov.on.ca/html/statutes/english/elaws_statutes_92b23_e.htm

<http://www.obc.mah.gov.on.ca/site4.aspx>

Construction Lien Act

http://www.e-laws.gov.on.ca/html/statutes/english/elaws_statutes_90c30_e.htm

Municipal Act

http://www.e-laws.gov.on.ca/html/statutes/english/elaws_statutes_01m25_e.htm

Engineering Software

Capeinfo

<http://www.capeinfo.ca/Tools/software.php>

Civil Engineering

Seq.	Trade Name	Categorized By	Functionality
1	12d Model	Civil Engineering	Surveying, Mapping and GIS
2	3DField	Petroleum Engineering Mining Engineering Civil Engineering Architectural/Building Engineering	Surveying, Mapping and GIS CAD
3	AISC Shapes	Civil Engineering	Structures
4	Alashki	Civil Engineering Geographic Information System	Structures
5	ALGOR 2.0	Civil Engineering	Ground Water
6	Aqua3D	Civil Engineering	Ground Water
7	AquiFEM-N	Civil Engineering	Ground Water
8	AquiferWin32	Civil Engineering	Ground Water
9	Archon Snow Loads	Civil Engineering	Snow Loads
10	Archon Wind98	Civil Engineering	Wind loads
11	ArcInfo	Civil Engineering	Surveying, Mapping and GIS
12	Argus	Mining Engineering Marine Engineering Geographic Information System Civil Engineering	Surveying, Mapping and GIS
13	ATIR Engineering Software	Civil Engineering	Structures
14	AutoCAD Land Desktop	Architectural/Building Engineering Civil Engineering	Surveying, Mapping and GIS
15	AutoCAD® Land Desktop	Architectural/Building Engineering Civil Engineering	Surveying, Mapping and GIS

16	Autodesk Civil 3D	Civil Engineering	CAD
17	Beams	Civil Engineering	Structures
18	Bentley MXRENEW	Civil Engineering	Road and Bridge Design
19	Bentley MXROAD	Civil Engineering	Road and Bridge Design
20	Bentley MXURBAN	Civil Engineering	Road and Bridge Design Sewer Stormwater Water Distribution
21	Bentley Wastewater	Civil Engineering	Sewer Stormwater
22	BREACH	Civil Engineering	Hydraulics
23	CAESAR II	Civil Engineering Petroleum Engineering	Fluid flow Piping and Fluid flow Sewer Water Distribution
24	CAICE	Civil Engineering	CAD
25	CEDRA-AVcadTM	Civil Engineering	Database
26	CSC	Civil Engineering	Structures
27	CSICOL	Civil Engineering	Structures
28	CulvertMaster	Civil Engineering	Hydraulics
29	DAMBRK	Civil Engineering Environmental Engineering	Hydraulics
30	Darwin Calibrator	Civil Engineering Environmental Engineering	Water Distribution
31	DarwinDesigner	Civil Engineering	Hydraulics
32	Easy Projects .NET	Civil Engineering	
33	Emme 3	Civil Engineering	Road and Bridge Design CAD
34	Environmental Modeling Systems	Civil Engineering	Hydraulics

	Incorporated (EMS-I)	Environmental Engineering	
35	EPANet	Civil Engineering	Water Distribution
36	FEFLOW	Civil Engineering	Finite Element Analysis Ground Water
37	FlowMaster	Civil Engineering	Hydraulics
38	FLOWNET/TRANS	Civil Engineering	Ground Water
39	FLOWPATH II	Civil Engineering	Ground Water
40	GEOCAL	Civil Engineering	Geotechnical
41	GEOLOG	Civil Engineering Geological Engineering Mining Engineering	
42	GEOPAK Bridge	Civil Engineering	CAD Road and Bridge Design
43	GEOPAK Civil Engineering Suite	Civil Engineering	
44	GEOPAK Site	Architectural/Building Engineering Civil Engineering Environmental Engineering	Surveying, Mapping and GIS
45	GEOPAK Survey	Civil Engineering Mining Engineering	Surveying, Mapping and GIS
46	GEOPRO	Civil Engineering	Geotechnical
47	GEOROK	Civil Engineering Geological Engineering Mining Engineering	Geotechnical
48	GMS	Civil Engineering	Ground Water
49	Groundwater Vistas	Civil Engineering	Ground Water
50	GT STRUDL Structural Design & Analysis Software	Civil Engineering	Structures

51	GTS Cadbuild Limited	Civil Engineering	Structures
52	HAMMER	Civil Engineering	Water Distribution
53	HEC-2	Civil Engineering	Hydraulics
54	HEC-6	Civil Engineering	Hydraulics
55	HEC-FFA	Civil Engineering	Hydraulics
56	HEC-HMS	Civil Engineering	Hydraulics
57	HEC-Pack	Civil Engineering	Hydraulics
58	HEC-RAS	Civil Engineering	Hydraulics
59	HMR52	Civil Engineering	Hydraulics
60	HydroCAD	Computer Aided Drafting and Design (CADD) Civil Engineering	Hydraulics
61	HydroCalc Hydraulics	Civil Engineering	Hydraulics
62	HydroGeo Analyst	Civil Engineering	Hydraulics
63	I R R I S O F T	Civil Engineering	Database Hydraulics Water Distribution
64	INFORMIX	Civil Engineering	Database
65	InRoads	Civil Engineering	Road and Bridge Design
66	InRoads Bridge	Civil Engineering	Road and Bridge Design
67	InRoads Site	Computer Aided Drafting and Design (CADD) Civil Engineering	Road and Bridge Design
68	InRoads Storm & Sanitary	Computer Aided Drafting and Design (CADD) Civil Engineering	Sewer Stormwater
69	InRoads Survey	Architectural/Building Engineering Computer Aided Drafting and Design (CADD)	

		Civil Engineering	
70	KaderColumn	Civil Engineering	Structures
71	KaderFrame	Mechanical Engineering Civil Engineering	Structures Mechanical Design
72	Limcon V3 Connection Design	Civil Engineering	Structures
73	Manufacturing Automation	Civil Engineering	Database
74	Manufacturing Software	Civil Engineering	
75	MDX Software	Civil Engineering	Road and Bridge Design
76	Meca Consulting	Aerospace Engineering Civil Engineering	Structures Wind loads
77	MECA Wind02	Civil Engineering	Structures Wind loads
78	MECA Wind05	Civil Engineering	Structures Wind loads
79	Mechatools Technologies	Civil Engineering	Structures
80	MicroStation	Computer Aided Drafting and Design (CADD) Civil Engineering	Surveying, Mapping and GIS
81	MIDAS Information Technology	Civil Engineering	Structures
82	OTTHYMO	Civil Engineering Environmental Engineering	Hydraulics Hydrology Surveying, Mapping and GIS
83	PC Engineers	Civil Engineering	Structures
84	pcaStructurePoint	Civil Engineering	Structures
85	PondPack	Civil Engineering Environmental Engineering	Hydraulics Hydrology

86	Production Access	Civil Engineering	Processing
87	Ralf Martin Hansen, Dipl.-Ing.	Aerospace Engineering Civil Engineering	Structures
88	RAM International	Civil Engineering	Structures
89	Retwall	Civil Engineering	Structures
90	RISA Technologies	Aerospace Engineering Civil Engineering	Structures
91	RiverCAD XP	Civil Engineering	Surveying, Mapping and GIS Structures Hydraulics
92	RIVERMorph	Civil Engineering	Hydraulics
93	RoadEng Civil Engineer	Civil Engineering	Surveying, Mapping and GIS
94	SAFE	Civil Engineering	Structures
95	Safety Line	Civil Engineering	Structures
96	SanSys	Civil Engineering Environmental Engineering	CAD Sewer
97	SAP2000	Civil Engineering	Structures
98	SCIPPIO B-2D	Aerospace Engineering Civil Engineering	Structures
99	SewerCAD	Civil Engineering Environmental Engineering	Sewer
100	SewerGEMS	Civil Engineering Environmental Engineering	Sewer
101	ShowFlow	Civil Engineering	Ground Water
102	SMS	Civil Engineering	Hydraulics
103	Softree	Civil Engineering	Road and Bridge Design
104	Space Gass	Aerospace Engineering Civil Engineering	Structures
105	SPM9613 Version	Civil Engineering	

	2		
106	STAAD.offshore	Civil Engineering	Structures
107	STAAD.Pro	Civil Engineering	Foundations
108	StormCAD	Civil Engineering	Hydraulics
109	StormNET	Civil Engineering	Hydraulics Hydrology
110	StruCAD*3D	Civil Engineering Marine Engineering	CAD
111	Structural Calculation Software - TEDDS	Aerospace Engineering Civil Engineering	Structures
112	Structural Engineering Designer	Civil Engineering Mechanical Engineering	Structures
113	Structural Engineering Software Microstran	Civil Engineering Aerospace Engineering	
114	Structural Toolbox	Civil Engineering	Structures
115	Surfer	Computer Aided Drafting and Design (CADD) Civil Engineering	CAD
116	SWMHYMO	Civil Engineering	CAD Hydraulics Hydrology
117	Synchro 7	Civil Engineering	Road and Bridge Design
118	TASM	Civil Engineering	Structures
119	TechEng Designs	Civil Engineering Environmental Engineering	Piping and Fluid flow Storage Tanks Water Distribution
120	Tekla Corporation	Computer Aided Drafting and Design (CADD) Civil Engineering Management	CAD Structures

121	Tension Structures	Aerospace Engineering Civil Engineering	Structures
122	TNTmips	Environmental Engineering Civil Engineering Forest Engineering Software Geological Engineering Geographic Information System Marine Engineering Mining Engineering	Surveying, Mapping and GIS Heat Transfer Water Distribution
123	Tools for Staad	Civil Engineering	Structures
124	TransCAD	Civil Engineering Geographic Information System	Surveying, Mapping and GIS
125	Visual Groundwater	Civil Engineering Environmental Engineering	Ground Water
126	Visual MODFLOW Pro	Environmental Engineering Civil Engineering	Ground Water
127	WaterCAD	Civil Engineering Environmental Engineering	Hydraulics Water Distribution
128	WaterGEMS	Civil Engineering Environmental Engineering	Hydraulics Water Distribution
129	WaterSAFE	Civil Engineering	Water Distribution
130	Welds	Civil Engineering	Structures
131	WinBase	Civil Engineering	Foundations Structures
132	WinCon	Civil Engineering	Structures
133	WinCrete	Civil Engineering	Structures
134	Wind98	Civil Engineering	Structures Wind loads
135	WINFLOW	Civil Engineering	Hydraulics
136	WinFrame	Civil Engineering	Structures
137	WinPlate	Civil Engineering Mechanical Engineering	Structures

138	WinPost	Civil Engineering Electrical/Electronics Engineering	Structures
139	WinRig	Civil Engineering	Structures
140	WINTRAN	Civil Engineering Environmental Engineering	Water Distribution
141	WinWood	Civil Engineering	Structures Timber
142	WMS	Civil Engineering Environmental Engineering	Hydrology Sewer Stormwater
143	Woodard Engineering	Civil Engineering	Finite Element Analysis Structures

Ontario Legislation

- **ADAMS MINE LAKE ACT, 2004**
 - ADAMS MINE LAKE ACT, 2004 (S.O. 2004, c. 6)
- **AGGREGATE RESOURCES ACT**
 - AGGREGATE RESOURCES ACT (R.S.O. 1990, c. A.8)
 - General (O. Reg. 244/97)
- **AMBULANCE ACT**
 - AMBULANCE ACT (R.R.O. 1990, c. A.19)
- **APPRENTICESHIP AND CERTIFICATION ACT, 1998**
 - APPRENTICESHIP AND CERTIFICATION ACT, 1998 (S.O. 1998, c. 22)
 - Exemptions (O. Reg. 566/99)
 - General (O. Reg. 573/99)
 - Restricted Skill Sets (O. Reg. 565/99)
- **BEES ACT**
 - BEES ACT (R.S.O. 1990, c. B.6)
- **BRIDGES ACT**
 - BRIDGES ACT (R.S.O. 1990, c. B.12)
- **BUILDING CODE ACT**
 - BUILDING CODE ACT (S.O. 1992, c. 23)
 - Building Code (Part 1-2) (O. Reg. 403/97)
 - Building Code (Part 10 - 12) (O. Reg. 403/97)
 - Building Code (Part 3) (O. Reg. 403/97)
 - Building Code (Part 4 - 8) (O. Reg. 403/97)
 - Building Code (Part 9) (O. Reg. 403/97)
- **CITY OF TORONTO BY-LAWS**
 - CITY OF TORONTO BY-LAWS
 - Sewer Use By-law (City of Toronto Municipal Code, Chapter 681)
- **CLASS PROCEEDINGS ACT, 1992**
 - CLASS PROCEEDINGS ACT, 1992 (S.O. 1992, c. 6)
- **CONSERVATION AUTHORITIES ACT**
 - CONSERVATION AUTHORITIES ACT (R.S.O. 1990, c. C.27)
 - Ausable Bayfield Conservation Authority: Regulation of Development, Interference with Wetlands and Alterations to Shorelines and Watercourses (O. Reg. 147/06)
 - Cataraqui Region Conservation Authority: Regulation of Development, Interference with Wetlands and Alterations to Shorelines and Watercourses (O. Reg. 148/06)
 - Catfish Creek Conservation Authority: Regulation of Development, Interference with Wetlands and Alterations to Shorelines and Watercourses (O. Reg. 146/06)
 - Central Lake Ontario Conservation Authority: Regulation of Development, Interference With Wetlands and Alterations to Shorelines and Watercourses (O. Reg. 42/06)
 - Content of Conservation Authority Regulations Under Subsection 28(1) of the Act: Development, Interference With Wetlands and Alterations to Shorelines and Watercourses (O. Reg. 97/04)
 - Credit Valley Conservation Authority: Regulation of Development, Interference with Wetlands and Alterations to Shorelines and Watercourses (O. Reg. 160/06)
 - Crowe Valley Conservation Authority: Regulation of Development, Interference with Wetlands and Alterations to Shorelines and Watercourses (O. Reg. 159/06)
 - Essex Region Conservation Authority: Regulation of Development, Interference with Wetlands and Alterations to Shorelines and Watercourses (O. Reg. 158/06)
 - Ganaraska Region Conservation Authority: Regulation of Development, Interference with Wetlands and Alterations to Shorelines and Watercourses (O. Reg. 168/06)
 - Grand River Conservation Authority: Regulation of Development, Interference with Wetlands and Alterations to Shorelines and Watercourses (O. Reg. 150/06)
 - Grey Sauble Conservation Authority: Regulation of Development, Interference with Wetlands and Alterations to Shorelines and Watercourses (O. Reg. 151/06)
 - Halton Region Conservation Authority: Regulation of Development, Interference with Wetlands and Alterations to Shorelines and Watercourses (O. Reg. 162/06)
 - Hamilton Region Conservation Authority: Regulation of Development, Interference with Wetlands and Alterations to Shorelines and Watercourses (O. Reg. 161/06)
 - Kawartha Region Conservation Authority: Regulation of Development, Interference with Wetlands and Alterations to Shorelines and Watercourses (O. Reg. 182/06)

- Kettle Creek Conservation Authority: Regulation of Development, Interference with Wetlands and Alterations to Shorelines and Watercourses (O. Reg. 181/06)
- Lower Thames Valley Conservation Authority: Regulation of Development, Interference with Wetlands and Alterations to Shorelines and Watercourses (O. Reg. 152/06)
- Lower Trent Region Conservation Authority: Regulation of Development, Interference with Wetlands and Alterations to Shorelines and Watercourses (O. Reg. 163/06)
- Maitland Valley Conservation Authority: Regulation of Development, Interference with Wetlands and Alterations to Shorelines and Watercourses (O. Reg. 164/06)
- Mattagami Region Conservation Authority: Regulation of Development, Interference with Wetlands and Alterations to Shorelines and Watercourses (O. Reg. 165/06)
- Mississippi Valley Conservation Authority: Regulation of Development, Interference with Wetlands and Alterations to Shorelines and Watercourses (O. Reg. 153/06)
- Moira River Conservation Authority: Regulation of Development, Interference with Wetlands and Alterations to Shorelines and Watercourses (O. Reg. 149/06)
- Napanee Region Conservation Authority: Regulation of Development, Interference with Wetlands and Alterations to Shorelines and Watercourses (O. Reg. 154/06)
- Niagara Peninsula Conservation Authority: Regulation of Development, Interference with Wetlands and Alterations to Shorelines and Watercourses (O. Reg. 155/06)
- Nickel District Conservation Authority: Regulation of Development, Interference with Wetlands and Alterations to Shorelines and Watercourses (O. Reg. 156/06)
- Nottawasaga Valley Conservation Authority: Regulation of Development, Interference with Wetlands and Alterations to Shorelines and Watercourses (O. Reg. 172/06)
- Otonabee Region Conservation Authority: Regulation of Development, Interference with Wetlands and Alterations to Shorelines and Watercourses (O. Reg. 167/06)
- Prince Edward Region Conservation Authority: Regulation of Development, Interference with Wetlands and Alterations to Shorelines and Watercourses (O. Reg. 173/06)
- Raisin Region Conservation Authority: Regulation of Development, Interference with Wetlands and Alterations to Shorelines and Watercourses (O. Reg. 175/06)
- Rideau Valley Conservation Authority: Regulation of Development, Interference with Wetlands and Alterations to Shorelines and Watercourses (O. Reg. 174/06)
- Saugeen Valley Conservation Authority: Regulation of Development, Interference with Wetlands and Alterations to Shorelines and Watercourses (O. Reg. 169/06)
- South Nation River Conservation Authority: Regulation of Development, Interference with Wetlands and Alterations to Shorelines and Watercourses (O. Reg. 170/06)
- Toronto and Region Conservation Authority: Regulation of Development, Interference with Wetlands and Alterations to Shorelines and Watercourses (O. Reg. 166/06)
- Upper Thames River Conservation Authority: Regulation of Development, Interference with Wetlands and Alterations to Shorelines and Watercourses (O. Reg. 157/06)
- **CONSERVATION LAND ACT**
 - CONSERVATION LAND ACT (R.S.O. 1990, c. 28)
 - Conservation Bodies (O. Reg. 293/03)
- **CONSOLIDATED HEARINGS ACT**
 - CONSOLIDATED HEARINGS ACT (R.S.O. 1990, c. C.29)
 - Hearings Regulation (R.R.O. 1990, Reg. 173)
 - Waste Management Act, 1992 (O. Reg. 551/94)
- **CORONERS ACT**
 - CORONERS ACT (R.S.O. 1990, c. C.37)
- **CROWN FOREST SUSTAINABILITY ACT, 1994**
 - CROWN FOREST SUSTAINABILITY ACT, 1994 (S.O. 1994, c. 25)
 - General (O. Reg. 167/95)
 - Independent Forest Audits (O. Reg. 160/04)
- **DANGEROUS GOODS TRANSPORTATION ACT**
 - DANGEROUS GOODS TRANSPORTATION ACT (R.S.O. 1990, c. D.1)
 - General Regulation (R.R.O. 1990, Reg. 261)
- **DRAINAGE ACT**
 - DRAINAGE ACT (R.S.O. 1990, c. D.17)
- **ELECTRICITY ACT, 1998 (Not currently available)**
 - ELECTRICITY ACT, 1998 (Not currently available) (S.O. 1998, c. 15)
 - Electrical Distribution Safety (O. Reg. 22/04)
 - Electrical Safety Code (O. Reg. 164/99)
- **EMERGENCY MANAGEMENT AND CIVIL PROTECTION ACT**
 - EMERGENCY MANAGEMENT AND CIVIL PROTECTION ACT (R.S.O. 1990, c. E.9)
 - Standards (O. Reg. 380/04)

- **ENDANGERED SPECIES ACT**
 - ENDANGERED SPECIES ACT (R.S.O. 1990, c. E.15)
 - Endangered Species (R.R.O. 1990, Reg. 328)
- **ENERGY CONSERVATION LEADERSHIP ACT, 2006**
 - ENERGY CONSERVATION LEADERSHIP ACT, 2006 (S.O. 2006, c. 3)
- **ENERGY EFFICIENCY ACT**
 - ENERGY EFFICIENCY ACT (R.S.O. 1990, c. E-17)
 - General (O. Reg. 82/95)
- **ENVIRONMENTAL ASSESSMENT ACT**
 - ENVIRONMENTAL ASSESSMENT ACT (R.S.O. 1990, c. E.18)
 - Deadlines (O. Reg. 616/98)
 - Designation - H. Dodge Haulage Ltd. Landfill Site (O. Reg. 493/99)
 - Designation - J. W. Sheldrick Sanitation Limited Smithville Site (O. Reg. 389/01)
 - Designation -- Browning-Ferris Industries Limited (O. Reg. 222/97)
 - Designation -- Canadian Waste Services Inc. (O. Reg. 367/99)
 - Designation -- Clarington Waste Processing Centre Ltd. Landfill Site (O. Reg.151/00)
 - Designation -- EFW Facility at 7656 Bramalea Road, Brampton (O. Reg. 153/98)
 - Designation -- Fibre Environmental and Ecology Limited (O. Reg. 29/97)
 - Designation -- Kirkland Lake Waste Disposal Site (O. Reg. 491/00)
 - Designation -- Lafèche Environment Inc. (1222024 Ontario Limited) (O. Reg. 369/97)
 - Designation -- Laidlaw Environmental Services Ltd. (O. Reg. 71/93)
 - Designation -- Lake Ontario Steel Company - A Division of Co-Steel Inc. (O. Reg. 13/91)
 - Designation -- Mayer Landfill Site (O. Reg. 565/00)
 - Designation -- Notre Development Corporation (O. Reg. 221/97)
 - Designation -- Recycling Specialties Inc. Landfill Site (O. Reg. 4/03)
 - Designation -- Taro Aggregates Ltd. (O. Reg. 391/95)
 - Designation -- Unitec Disposals Inc. (O. Reg. 163/93)
 - Designation and Exemption - Plasco Trail Road Inc. (O. Reg. 253/06)
 - Designation and Exemption - Private Sector Developers (O. Reg. 345/93)
 - Designation and Exemption of Integrated Power System Plan (O. Reg. 276/06)
 - Designation of Activities of Synfuel Technologies, Inc. Relating to Generating and Transmitting Electricity Using Petroleum Coke as an Undertaking (O. Reg. 196/04)
 - Designations -- St. Thomas Sanitary Collection Service Limited and Advance Container of Canada Limited, a Division of Green Lane Environmental Group Ltd. (O. Reg. 220/97)
 - Electricity Projects (O. Reg. 116/01)
 - Exemption - Ministry of Natural Resources, Ministry of Health and Ministry of Agriculture, Food and Rural Affairs (O. Reg. 520/95)
 - Exemption - Waste Management Planning (O. Reg. 511/95)
 - Exemption -- City of Hamilton -- HAM-C-1 (O. Reg. 26/92)
 - Exemption -- City of Port Colborne and Town of Fort Erie -- PC-M-2 (O. Reg. 231/94)
 - Exemption -- City of Toronto's Western Beaches Storage Tunnel -- TOR-C-5 (O. Reg. 94/96)
 - Exemption -- City of Windsor -- WIND-C-2 (O. Reg. 622/91)
 - Exemption -- Collège Boréal -- MCU-06 (O. Reg. 163/95)
 - Exemption -- County of Victoria -- VICT-CT-1 (O. Reg. 235/94)
 - Exemption -- Fanshawe College -- MCU-07 (O. Reg. 206/95)
 - Exemption -- La Cité Collégiale -- MCU-4 (O. Reg. 191/93)
 - Exemption -- Ministry of Natural Resources -- MNR-56/2 (O. Reg. 537/95)
 - Exemption -- Ministry of Natural Resources -- MNR-59/2 (O. Reg. 83/94)
 - Exemption -- Ministry of Natural Resources -- MNR-60 (O. Reg. 685/93)
 - Exemption -- Ministry of Natural Resources -- MNR-61 (O. Reg. 682/94)
 - Exemption -- Ministry of the Environment -- MOE-31/3 (O. Reg. 469/91)
 - Exemption -- Ministry of the Environment -- MOE-31/5 (O. Reg. 585/92)
 - Exemption -- Ministry of the Environment -- MOE-41/1 (O. Reg. 753/92)
 - Exemption -- Ministry of the Environment -- MOE-44 (O. Reg. 626/91)
 - Exemption -- Ministry of Transportation -- MTC-59 (O. Reg. 280/91)
 - Exemption -- Ministry of Transportation -- MTC-60 (O. Reg. 304/92)
 - Exemption -- Ministry of Transportation -- MTC-61 (O. Reg. 305/92)
 - Exemption -- Ministry of Transportation -- MTO-62 (O. Reg. 492/92)
 - Exemption -- Ministry of Transportation -- MTO-63 (O. Reg. 444/94)
 - Exemption -- Niagara College of Applied Arts and Technology -- CU-AA-05 (O. Reg. 690/93)
 - Exemption -- Ontario Hydro -- OH-36 (O. Reg. 455/96)

- Exemption -- Regional Planning Commissioners of Ontario -- RPC-01 (O. Reg. 41/94)
- Exemption -- Seneca at York -- MCU-08 (O. Reg. 9/96)
- Exemption -- The Corporation of the City of Brantford -- BRAN-C-2 (O. Reg. 647/94)
- Exemption -- The Corporation of the City of Brockville -- BROCC-3 (O. Reg. 718/92)
- Exemption -- The Corporation of the City of Guelph -- GUEL-C-1 (O. Reg. 148/91)
- Exemption -- The Corporation of the City of Peterborough -- PETE-C-1/1 (O. Reg. 290/92)
- Exemption -- The Corporation of the City of Port Colborne -- PC-M-1 (O. Reg. 414/93)
- Exemption -- The Corporation of the County of Lambton -- LAMB-CT-1 (O. Reg. 291/92)
- Exemption -- The Corporation of the Town of Fort Erie -- FORT-E-T-2 (O. Reg. 723/91)
- Exemption -- The Corporation of the Town of Kapuskasing -- KAP-T-2 (O. Reg. 716/92)
- Exemption -- The Corporation of the Town of Keewatin -- KEEW-T-1 (O. Reg. 697/91)
- Exemption -- The Corporation of the Township of Alice and Fraser, The Corporation of The City of Pembroke, The Corporation of the Township of Petawawa, The Corporation of the Township of Pembroke, The Corporation of The Township of Stafford, The Corporation of the Township of Wilberforce, The Corporation of the Village of Petawawa, The Corporation of the CFB Petawawa -- ALIC-TP-1 (O. Reg. 74/93)
- Exemption -- The Corporation of the Township of Brantford -- BRAN-TP-1 (O. Reg. 664/92)
- Exemption -- The Corporation of the Township of Chapleau -- CHAP-TP-1 (O. Reg. 8/96)
- Exemption -- The Corporation of the Township of Charlottenburgh -- CHAR-TP-1 (O. Reg. 307/92)
- Exemption -- The Corporation of the Township of Edwardsburgh (O. Reg. 498/95)
- Exemption -- The Corporation of The Township of Goderich, The Corporation of The Town of Goderich, The Corporation of The Town of Clinton and The Corporation of The Township of Colborne -- GODE-T-1 (O. Reg. 309/91)
- Exemption -- The Corporation of the Township of South Gower -- GOW-TP-1 (O. Reg. 717/92)
- Exemption -- The Corporation of the Township of Stephen -- STEP-TP-1 (O. Reg. 702/94)
- Exemption -- The Corporation of the Townships of Rolph, Buchanan, Wylie, McKay and the Village of Chalk River --BUCH-TP-1 (O. Reg. 701/94)
- Exemption -- The Metropolitan Toronto and Region Conservation Authority -- MTRC-A-2 (O. Reg. 765/94)
- Exemption -- The Metropolitan Toronto and Region Conservation Authority -- MTRCA-4 (O. Reg. 144/93)
- Exemption -- The Municipality of Metropolitan Toronto and Toronto Transit Commission - - TTC-04 (O. Reg. 290/95)
- Exemption -- The Regional Municipality of Sudbury -- SUDB-RG-1 (O. Reg. 393/93)
- Exemption -- The Regional Municipality of Sudbury -- SUDB-RG-2 (O. Reg. 350/94)
- Exemption -- The Town of Kincardine -- KINC-T-1 (O. Reg. 299/93)
- Exemption -- The Town of Lindsay -- LIND-T-1 (O. Reg. 118/92)
- Exemption -- The Township of Clarence -- CLAR-TP-1 (O. Reg. 425/93)
- Exemption -- Township of Asphodel -- ASPH-T-1 (O. Reg. 232/92)
- Exemption -- Township of Asphodel -- ASPH-T-1/1 (O. Reg. 445/93)
- Exemption -- Township of Roxborough -- ROXB-TP-1 (O. Reg. 292/92)
- Exemption for Emergency Activities on Three Abandoned Mine Sites in the Townships of Tisdale and Deloro, City of Timmins -- MNDM-2 (O. Reg. 169/92)
- General (R.R.O. 1990, Reg. 334)
- **ENVIRONMENTAL BILL OF RIGHTS, 1993**
 - ENVIRONMENTAL BILL OF RIGHTS, 1993 (S.O. 1993, c. 28)
 - Classification of Proposals for Instruments (O. Reg. 681/94)
 - General (O. Reg. 73/94)
- **ENVIRONMENTAL PROTECTION ACT**
 - ENVIRONMENTAL PROTECTION ACT (R.S.O. 1990, c. E.19)
 - Air Contaminants from Ferrous Foundries (R.R.O. 1990, Reg. 336)
 - Air Pollution - Local Air Quality (O. Reg. 419/05)
 - Airborne Contaminant Discharge Monitoring and Reporting (O. Reg. 127/01)
 - Ambient Air Quality Criteria (R.R.O. 1990, Reg. 337)
 - Annex to Publication LU-131 Noise Assessment Criteria in Land Use Planning (October 1997)
 - Application of Municipal Responsibility for Communal Water and Sewage Services (Procedure D5-2)

- Approval of Waste Management Systems for Dust Suppression Using a Waste Material (GUIDELINE C-9)
- Approval Responsibilities for Waste Disposal (GUIDELINE C-3)
- Assessing Methane Hazards From Landfill Sites - Appendix A to "Guideline for Assessing Methane Hazards From Landfill Sites" November 1987 (Procedure D-4-1)
- Atmospheric Emissions from Stationary Combustion Turbines (GUIDELINE A-5)
- Boilers (R.R.O. 1990, Reg. 338)
- Burning at Landfill Sites (GUIDELINE C-7)
- Calculating and Reporting Uncommitted Reserve Capacity at Sewage and Water Treatment Plants (Procedure D5-1)
- Certificate of Approval Exemptions - Air (O. Reg. 524/98)
- Classes of Contaminants - Exemptions (R.R.O. 1990, Reg. 339)
- Classification and Exemption of Spills (O. Reg. 675/98)
- Combustion and Air Pollution Control Requirements for New Municipal Waste Incinerators (GUIDELINE A-7)
- Combustion, Air Pollution Control and Monitoring Requirements for Biomedical Waste Incinerators in Ontario (GUIDELINE A-1)
- Compatibility Between Industrial Facilities and Sensitive Land Uses, and its Associated Procedure (GUIDELINE D-6)
- Compatibility between Sewage Treatment and Sensitive Land Use (GUIDELINE D-2)
- Compliance Guideline (GUIDELINE F-2)
- Containers (R.R.O. 1990, Reg. 340)
- Deep Well Disposal (R.R.O. 1990, Reg. 341)
- Derivation of Sewage Treatment Works Effluent Requirements for the Incorporation of Effluent Requirements into Certificates of Approval for New or Expanded Sewage Treatment Works (Procedure F5-3)
- Deriving Receiving Water Based, Point-Source Effluent Requirements for Ontario Waters (Procedure B1-5)
- Designation of Waste Regulation (R.R.O. 1990, Reg. 342)
- Determination of Contaminant Limits and Attenuation Zones (Procedure B7-1)
- Determination of Phosphorus Removal Requirements for Municipal, Institutional and Private Sewage Treatment Works (Procedure F8-1)
- Determination of Treatment Requirements for Municipal and Private Combined and Partially Separated Sewer Systems (Procedure F-5-5)
- Determination of Treatment Requirements for Municipal and Private Sewage Treatment Works Discharging to Surface Waters (Procedure F5-1)
- Discharge of Sewage from Pleasure Boats Regulation (R.R.O. 1990, Reg. 343)
- Disposable Containers for Milk Regulation (R.R.O. 1990, Reg. 344)
- Disposable Paper Containers for Milk Regulation (R.R.O. 1990, Reg. 345)
- Drive Clean Guide (November, 2003)
- Dry Cleaners (O. Reg. 323/94)
- Economic Analyses of Control Documents on Private Sector Enterprises and Municipal Projects (GUIDELINE F-14)
- Effluent Disinfection Requirements for Sewage Works Discharging to Surface Waters (Procedure F5-4)
- Effluent Monitoring and Effluent Limits - Electric Power Generation Sector (O. Reg. 215/95)
- Effluent Monitoring and Effluent Limits - Industrial Minerals Sector (O. Reg. 561/94)
- Effluent Monitoring and Effluent Limits - Inorganic Chemical Sector (O. Reg. 64/95)
- Effluent Monitoring and Effluent Limits - Iron and Steel Manufacturing Sector (O. Reg. 214/95)
- Effluent Monitoring and Effluent Limits - Metal Casting Sector (O. Reg. 562/94)
- Effluent Monitoring and Effluent Limits - Metal Mining Sector (O. Reg. 560/94)
- Effluent Monitoring and Effluent Limits - Organic Chemical Manufacturing Sector (O. Reg. 63/95)
- Effluent Monitoring and Effluent Limits - Petroleum Sector (O. Reg. 537/93)
- Effluent Monitoring and Effluent Limits - Pulp and Paper Sector (O. Reg. 760/93)
- Emissions Trading (O. Reg. 397/01)
- Engineered Facilities at Landfills that Receive Municipal and/or Non-Hazardous Waste (Procedure C13-1)
- Engineered Facilities at Landfills That Receive Municipal and/or Non-hazardous Wastes (GUIDELINE C-13)
- Environmental Clean-up Fund (GUIDELINE G-3)
- Environmental Considerations for Gas or Oil Pipelines and Facilities (GUIDELINE D-3)

- Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontario (May 2003)
- Ethanol in Gasoline (O. Reg. 535/05)
- Exemption -- Prospectors (O. Reg. 504/95)
- Fees - Certificates of Approval (O. Reg. 363/98)
- Financial Assurance (GUIDELINE F-15)
- Forms - Section 197 of the Act (REPEALED) (O. Reg. 24/01)
- Gasoline Volatility Regulation (O. Reg. 271/91)
- General - Air Pollution (REPEALED) (R.R.O. 1990, Reg. 346)
- General - Waste Management (R.R.O. 1990, Reg. 347)
- Ground Source Heat Pumps (O. Reg. 177/98)
- Guidance Manual for Hazardous Waste Categorization and Review Program (DECEMBER 1993)
- Guide for Applying for Approval of Industrial Sewage Works (November 1999)
- Guide to Applying For Approval (Air & Noise) (Version 2.0, November 2005)
- Guideline for the Implementation of Canada-wide Standards for Emissions of Mercury and of Dioxins and Furans and Monitoring and Reporting Requirements for Municipal Waste Incinerators, Biomedical Waste Incinerators, Sewage Sludge Incinerators, Hazardous Waste Incinerators, Steel Manufacturing Electric Arc Furnaces, Iron Sintering Plants (GUIDELINE A-8)
- Guideline for the Installation and Operation of Continuous Emission Monitoring Systems (CEMS) and Their Use for Reporting Under the Provisions of Regulation O. Reg. 127/01 (April, 2001)
- Guideline for Use at Contaminated Sites in Ontario (Guideline C-15)
- Guideline on Public Access to Reports from External Parties (GUIDELINE H-3)
- Guidelines and Procedures - Arranged by Publication Number
- Guidelines for Evaluating Construction Activities Impacting on Water Resources (GUIDELINE B-6)
- Guidelines for the Protection and Management of Aquatic Sediment Quality in Ontario (GUIDELINE B1-3)
- Halon Fire Extinguishing Equipment (O. Reg. 413/94)
- Handling, Transportation and Disposal of Asbestos Waste in Bulk (GUIDELINE C-6)
- Hazardous Waste Categorization and Review (GUIDELINE C-16)
- Hot Mix Asphalt Facilities (R.R.O. 1990, Reg. 349)
- Incorporation of the Reasonable Use Concept into MOEE Groundwater Management Activities (GUIDELINE B-7)
- Individual On-site Sewage Systems: Water Quality Impact Risk Assessment (Procedure D5-4)
- Industrial, Commercial and Institutional Source Separation Programs (O. Reg 103/94)
- Industry Emissions - Nitrogen Oxides and Sulphur Dioxide (O. Reg. 194/05)
- Information to be Submitted for Approval of Stationary Sources of Sound (Publication NPC-233)
- Lakeview Generating Station (O. Reg. 396/01)
- Lambton Industry Meteorological Alert (R.R.O. 1990, Reg. 350)
- Land Use Compatibility (GUIDELINE D-1)
- Land Use Compatibility: Definitions (Procedure D1-3)
- Land Use Compatibility: Implementation (Procedure D1-1)
- Land Use Compatibility: Specific Applications (Procedure D1-2)
- Land Use on or near Landfills and Dumps (GUIDELINE D-4)
- Landfill Standards: A Guideline on the Regulatory and Approval Requirements for New or Expanding Landfilling Sites (May 1998)
- Landfilling Sites (O. Reg. 232/98)
- Levels of Treatment for Municipal and Private Sewage Treatment Works Discharging to Surface Waters (GUIDELINE F-5)
- Management of Biomedical Waste in Ontario (GUIDELINE C-4)
- Mandatory or Discretionary Hearings on Waste Disposal Sites (GUIDELINE C-1)
- Marinas (R.R.O. 1990, Reg. 351)
- Mobile PCB Destruction Facilities (R.R.O. 1990, Reg. 352)
- Motor Vehicles (O. Reg. 361/98)
- Municipal Sewage and Water and Roads Class Environmental Assessment Project (R.R.O. 1990, Reg. 354)
- Municipalities, Secured Creditors, Receivers, Trustees in Bankruptcy and Fiduciaries - Part XV.2 of the Act (O. Reg. 298/02)
- Noise Assessment Criteria in Land Use Planning (Publication LU-131)

- Noise Assessment Criteria in Land Use Planning: Requirements, Procedures and Implementation (October 1997)
- NOx Emissions from Boilers and Heaters (Guideline A-9)
- Ontario Emissions Trading Code (March 2005)
- Ontario Emissions Trading Code (REPEALED) (October, 2001)
- Ontario Power Generation Inc. (O. Reg. 153/99)
- Operation of the API, AQI, and Air Quality Advisory (GUIDELINE A-3)
- Outline of the Essential Components of Training Programs for Drivers of Liquid Industrial or Hazardous Waste Transportation Vehicles (Procedure C12-1)
- Ozone Depleting Substances -- General (R.R.O. 1990, Reg. 356)
- Packaging Audits and Packaging Reduction Work Plans (O. Reg. 104/94)
- Participation in Hearings on Waste Disposal Sites (GUIDELINE C-2)
- Particulate Emissions at New Cement Plants (GUIDELINE F-1)
- Planning for Sewage and Water Services (GUIDELINE D-5)
- Plasco Demonstration Project (O. Reg. 254/06)
- Policy and Guideline on Access to Environmental Evaluations (Guideline H-9)
- Potable Water Storage Structures (GUIDELINE B-12)
- Preparation and submission of a Pre-Submission Form for a Risk Assessment to be Submitted Under the New Record of Site Condition Regulation (O. Reg. 153/04): Technical Update ([2004])
- Procedure For Corrective Action for Non-Residential and Non-Municipal Seasonal Residential Systems that Do Not Serve Designated Facilities and are Not Currently Using Chlorine (May 29, 2005)
- Procedure for Preparing an Emission Summary and Dispersion Modelling Report (June 1998)
- Procedures for Addressing Labour Disputes Affecting Pollution Abatement (GUIDELINE F-4)
- Procedures for Handling and Disposal of Selected Wastes from Retail Motor Vehicle Servicing Facilities (Procedure C11-1)
- Procedures for Sampling and Analysis Requirements for Municipal and Private Sewage Treatment Works (Liquid Waste Streams Only) (Procedure F10-1)
- Procedures to Govern Separation of Sewers and Watermains (Procedure F6-1)
- Prohibition of Waste Oil for Use as a Dust Suppressant (GUIDELINE C-14)
- Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (March 9, 2004)
- Protocol for the Sampling and Analysis of Industrial/Municipal Wastewater (July 1993)
- Provision and Operation of Phosphorus Removal Facilities at Municipal, Institutional and Private Sewage Treatment Works (GUIDELINE F-8)
- Public Access to Ministry of Environment and Energy Invited Submissions (GUIDELINE H-2)
- Records of Site Condition - Part XV.1 of the Act (O. Reg. 153/04)
- Recovery of Gasoline Vapour in Bulk Transfers (O. Reg. 455/94)
- Recycling and Composting of Municipal Waste (O. Reg. 101/94)
- Refillable Containers for Carbonated Soft Drink (R.R.O. 1990, Reg. 357)
- Refrigerants (O. Reg. 189/94)
- Registration Guidance Manual for Generators of Liquid Industrial and Hazardous Waste (DECEMBER 2001)
- Registration on Title of Certificates of Approval for Waste Disposal Sites (GUIDELINE C-5)
- Relaxation of Normal Level of Treatment for Municipal and Private Sewage Treatment Works Discharging to Surface Waters (Procedure F5-2)
- Release of Scientific Data and Reports (GUIDELINE H-1)
- Removal Procedures at Sites Containing Substantial Quantities of Asbestos Waste (GUIDELINE C-10)
- Reporting Requirements - Sulphur Levels in Gasoline (O. Reg. 212/02)
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- Resolution of Groundwater Interference Problems (GUIDELINE B-9)
- Resolution of Groundwater Quality Interference Problems (Procedure B9-1)
- Resolution of Well Water Quality Problems Resulting from Winter Road Maintenance (GUIDELINE B-3)
- Risk Assessment Requirements: Comparison of the 1996 Guideline and the New Record of Site Condition Regulation (153/04) (July 2004 Technical Update)
- Role of the Ministry in Spills and Emergencies (GUIDELINE G-1)

- Sampling and Analysis Requirements for Municipal and Private Sewage Treatment Works (GUIDELINE F-10)
- Servicing Options Statement (Procedure D5-3)
- Sewage Systems (R.R.O. 1990, Reg. 358)
- Sewage Systems -- Exemptions (R.R.O. 1990, Reg. 359)
- Sewer and Watermain Installation: Separation Distance Requirements (GUIDELINE F-6)
- Snow Disposal and De-icing Operations in Ontario (GUIDELINE B-4)
- Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act (March 9, 2004)
- Solvents (O. Reg. 717/94)
- Sound Level Limits for Stationary Sources in Class 1 & 2 Areas (Urban) (Publication NPC-205)
- Sound Level Limits for Stationary Sources in Class 3 Areas (Rural) (Publication NPC-232)
- Sound Levels due to Road Traffic Publication (NPC-206)
- Spill Cleanup Options (Procedure G1-1)
- Spills (R.R.O. 1990, Reg. 360)
- Spills Action Centre Operations (GUIDELINE G-2)
- Step by Step Guidelines for Emission Calculation, Record Keeping and Reporting for Airborne Contaminant Discharge (May 2004)
- Sterilants (O. Reg. 718/94)
- Sulphur Content of Fuels (R.R.O. 1990, Reg. 361)
- Technical Guideline for Private Wells: Water Supply Assessment (Procedure D5-5)
- Training of Drivers of Liquid Industrial or Hazardous Waste Transportation Vehicles (GUIDELINE C-12)
- Transitional Provisions Relating to the Repeal of Part VIII of the Act (O. Reg. 156/98)
- Use and Storage of Pesticides in and around Drinking-Water Systems (GUIDELINE B-15)
- Use of Farm Pollution Advisory Committee (GUIDELINE F-11)
- Use of Holding Tanks in Sewage Systems (GUIDELINE F-9)
- Waste Audits and Waste Reduction Work Plans (O. Reg. 102/94)
- Waste Disposal Sites and Waste Management Systems Subject to Approval under the Environmental Assessment Act (O. Reg. 206/97)
- Waste Management - PCBs (R.R.O. 1990, Reg. 362)
- Water Management Policies, Guidelines, Provincial Water Quality Objectives of the Ministry of Environment and Energy (Procedure B1-1)
- **ENVIRONMENTAL REVIEW TRIBUNAL ACT, 2000**
 - ENVIRONMENTAL REVIEW TRIBUNAL ACT, 2000 (S.O. 2000, c. 26)
- **FIRE PROTECTION AND PREVENTION ACT, 1997**
 - FIRE PROTECTION AND PREVENTION ACT, 1997 (S.O. 1997, c. 4)
 - Commentary on Changes to the Ontario Fire Code O. Reg. 388/97
 - Commentary on Part 4 of the Ontario Fire Code O. Reg. 388/97 (January 2001)
 - Fire Code (O. Reg. 388/97)
 - Fire Safety Planning for Industrial Occupancies (July 2000)
- **FISH AND WILDLIFE CONSERVATION ACT, 1997**
 - FISH AND WILDLIFE CONSERVATION ACT, 1997 (S.O. 1997, c. 41)
- **FOREST FIRES PREVENTION ACT**
 - FOREST FIRES PREVENTION ACT (R.S.O. 1990, c. F.24)
 - Outdoor Fires (O. Reg. 207/96)
- **FORESTRY ACT**
 - FORESTRY ACT (R.S.O. 1990, c. F-26)
 - Nurseries (R.R.O. 1990, Reg. 458)
- **FUEL TAX ACT**
 - FUEL TAX ACT (R.S.O. 1990, c. F-35)
- **GREENBELT ACT, 2005**
 - GREENBELT ACT, 2005 (S.O. 2005, c. 1)
 - Designation of Greenbelt Area (O. Reg. 59/05)
 - Prescribed Applications, Matters, Proceedings and Policies for the Purposes of Subsection 24(3) of the Act (O. Reg. 61/05)
- **HEALING ARTS RADIATION PROTECTION ACT**
 - HEALING ARTS RADIATION PROTECTION ACT (R.S.O. 1990, c. H.2)
 - X-Ray Safety Code (R.R.O. 1990, Reg. 543)
- **HEALTH PROTECTION AND PROMOTION ACT**
 - HEALTH PROTECTION AND PROMOTION ACT (R.S.O. 1990, c. H.7)
 - Camps in Unorganized Territory (R.R.O. 1990, Reg. 554)

- Food Premises (R.R.O. 1990, Reg. 562)
- **HIGHWAY TRAFFIC ACT**
 - HIGHWAY TRAFFIC ACT (R.S.O. 1990, c. H.8)
 - Allowable Gross Weight for Designated Class of Vehicle (R.R.O. 1990, Reg. 573)
 - Carriage of Goods (O. Reg. 643/05)
 - Commercial Motor Vehicle Inspections (R.R.O. 1990, Reg. 575)
 - Commercial Motor Vehicle Operators' Information (O. Reg. 424/97)
 - Covering of Loads (R.R.O. 1990, Reg. 577)
 - Equipment (R.R.O. 1990, Reg. 587)
 - General (R.R.O. 1990, Reg. 596)
 - Hours of Work (O. Reg. 4/93)
 - Ignition Interlock Devices (O. Reg. 251/02)
 - Over-Dimensional Farm Vehicles (R.R.O. 1990, Reg. 603)
 - Restricted Use of Left Lanes by Commercial Motor Vehicles (R.R.O. 1990, Reg. 608)
 - Safety Helmets (R.R.O. 1990, Reg. 610)
 - Safety Inspections (R.R.O. 1990, Reg. 611)
 - Seat Belt Assemblies (R.R.O. 1990, Reg. 613)
 - Security of Loads (O. Reg. 363/04)
 - Security of Loads (REPEALED) (R.R.O. 1990, Reg. 614)
 - Slow Moving Vehicle Sign (R.R.O. 1990, Reg. 616)
 - Specifications and Standards for Trailer Couplings (R.R.O. 1990, Reg. 618)
 - Suspension and Impoundment of Commercial Motor Vehicles for Critical Defects Under Section 82.1 of the Act (O. Reg. 512/97)
 - Tire Standards and Specifications (R.R.O. 1990, Reg. 625)
 - Vehicle and Axle Weights (REPEALED) (R.R.O. 1990, Reg. 597)
 - Vehicle Weights and Dimensions - For Safe, Productive and Infrastructure-Friendly Vehicles (O. Reg. 413/05)
 - Vehicles for the Transportation of Physically Disabled Passengers (R.R.O. 1990, Reg. 629)
- **LAKES AND RIVERS IMPROVEMENT ACT**
 - LAKES AND RIVERS IMPROVEMENT ACT (R.S.O. 1990, c. L.3)
 - Construction (O. Reg. 454/96)
- **LIGHTNING RODS ACT**
 - LIGHTNING RODS ACT (R.S.O. 1990, c. L.14)
 - General Regulation (R.R.O. 1990, Reg. 712)
- **MINING ACT**
 - MINING ACT (R.S.O. 1990, c. M.14)
 - Effluent Guidelines and Receiving Water Quality Objectives for the Mining Industry in Ontario
 - Interpretation (O. Reg. 466/94)
 - Mine Development and Closure Under Part VII of the Act (O. Reg. 240/00)
 - Permission to Test Mineral Content (O. Reg. 192/06)
- **NIAGARA ESCARPMENT PLANNING AND DEVELOPMENT ACT**
 - NIAGARA ESCARPMENT PLANNING AND DEVELOPMENT ACT (R.S.O. 1990, c. N.2)
- **NUTRIENT MANAGEMENT ACT, 2002**
 - NUTRIENT MANAGEMENT ACT, 2002 (S.O. 2002, c. 4)
 - General Regulation (O. Reg. 267/03)
- **OAK RIDGES MORaine CONSERVATION ACT, 2001**
 - OAK RIDGES MORaine CONSERVATION ACT, 2001 (S.O. 2001, c. 31)
 - Designation of Oak Ridges Moraine Area (O. Reg. 1/02)
 - Hearings Conducted by a Hearing Officer (O. Reg. 369/06)
 - Municipalities That Are Required to Prepare and Adopt Official Plan Amendments Under Subsection 9(2) of Act (O. Reg. 141/02)
 - Oak Ridges Moraine Conservation Plan (O. Reg. 140/02)
- **OCCUPATIONAL HEALTH AND SAFETY ACT**
 - OCCUPATIONAL HEALTH AND SAFETY ACT (R.S.O. 1990, c. O.1)
 - Anhydrous Ammonia (Engineering Data Sheet 4-04)
 - Code for Cables, Slings and Rigging Used in Diving Operations (July 4, 1994)
 - Code for Determination of Asbestos from Bulk Samples
 - Code for Measuring Airborne Acrylonitrile
 - Code for Measuring Airborne Arsenic (March 22, 1986)
 - Code for Measuring Airborne Ethylene Oxide
 - Code for Measuring Airborne Isocyanates (June 17, 1983)

- Code for Measuring Coke Oven Emissions
- Code for Medical Surveillance for Lead
- Code for Medical Surveillance for Mercury
- Code for Medical Surveillance for Vinyl Chloride (January 1982)
- Code for Medical Surveillance of Acrylonitrile Exposed Workers
- Code for Medical Surveillance of Asbestos Exposed Workers
- Code for Medical Surveillance of Benzene Exposed Workers
- Code for Medical Surveillance of Isocyanates Exposed Workers (June 17, 1983)
- Code for Medical Surveillance of Silica Exposed Workers
- Code for Medical Surveillance of Workers Exposed to Coke Oven Emissions
- Code for Respiratory Equipment for Acrylonitrile
- Code for Respiratory Equipment for Arsenic (March 22, 1986)
- Code for Respiratory Equipment for Asbestos (June 30, 2000)
- Code for Respiratory Equipment for Benzene (June 30, 2000)
- Code for Respiratory Equipment for Coke Oven Emissions
- Code for Respiratory Equipment for Ethylene Oxide
- Code for Respiratory Equipment for Isocyanates
- Code for Respiratory Equipment for Lead (June, 2000)
- Code for Respiratory Equipment for Mercury (June 30, 2000)
- Code for Respiratory Equipment for Silica (June 30, 2000)
- Code for Respiratory Equipment for Vinyl Chloride (June 30, 2000)
- Code for the Medical Examination of Divers (July 4, 1994)
- Computer Ergonomics: Workstation Layout and Lighting (September 2004)
- Confidentiality of Worker Health Records (January 1996)
- Confined Spaces (O. Reg. 632/05)
- Construction Projects (O. Reg. 213/91)
- Constructor Guideline (February 2004)
- Control of Exposure to Biological or Chemical Agents (R.R.O. 1990, Reg. 833)
- Criteria to be Used and Other Matters to be Considered by Adjudicators Under Subsection 46(6) of Act (O. Reg. 243/95)
- Critical Injury - Defined (R.R.O. 1990, Reg. 834)
- Design and Inspection of Formwork and Falsework on Construction Projects
- Designated Substance - Acrylonitrile (R. R. O. 1990, Reg. 835)
- Designated Substance - Arsenic (R. R. O. 1990, Reg. 836)
- Designated Substance - Asbestos (R. R. O. 1990, Reg. 837)
- Designated Substance - Asbestos on Construction Projects and in Buildings and Repair Operations (O. Reg. 278/05)
- Designated Substance - Asbestos on Construction Projects and in Buildings and Repair Operations (REPEALED) (R.R.O. 1990, Reg 838)
- Designated Substance - Benzene (R.R.O. 1990, Reg. 839)
- Designated Substance - Coke Oven Emissions (R.R.O. 1990, Reg. 840)
- Designated Substance - Ethylene Oxide (R.R.O. 1990, Reg. 841)
- Designated Substance - Isocyanates (R.R.O. 1990, Reg. 842)
- Designated Substance - Lead (R.R.O. 1990, Reg. 843)
- Designated Substance - Mercury (R.R.O. 1990, Reg. 844)
- Designated Substance - Silica (R.R.O. 1990, Reg. 845)
- Designated Substance - Vinyl Chloride (R.R.O. 1990, Reg 846)
- Designated Substances in the Workplace: A General Guide to the Regulations (2001)
- Designated Substances in the Workplace: A Guide to the Benzene Regulation (2001)
- Designated Substances in the Workplace: A Guide to the Lead Regulation (2001)
- Designated Substances in the Workplace: A Guide to the Mercury Regulation (2001)
- Designated Substances in the Workplace: A Guide to the Silica Regulation (2001)
- Designations Under Clause 16(1)(n) of the Act (O. Reg. 847/90)
- Diving Operations (O. Reg. 629/94)
- Fall Protection for Boilermaker Work
- Fall Protection for Structural Steel Erection
- Farming Operations (O. Reg. 414/05)
- Firefighters - Protective Equipment (O. Reg. 714/94)
- Garage Ventilation (Engineering Data Sheet 5-07)
- Guide for Joint Health and Safety Committees (JHSCs) and Representatives in the Workplace (June 2002)
- Guide to the Occupational Health and Safety Act (June 2002)
- Guideline for the Safe Operation and Maintenance of Powered Lift Trucks
- Guidelines for Latex Glove Users (September 1994)

- Guidelines for Multi-Point Suspended Scaffolds (MPSS) (January 2006)
- Guidelines for Notifying the Intent to Import, Manufacture, Distribute or Supply a New Agent in Ontario Workplaces under Section 34 of the Occupational Health and Safety Act
- Guidelines for Pre-Start Health and Safety Reviews: How to Apply Section 7 of the Regulation for Industrial Establishments (April 2001)
- Guidelines For Workplaces Identifying And Handling Anthrax And Other Biological Agent Threats (October 2001)
- Health Care and Residential Facilities (O. Reg. 67/93)
- Heat Stress (Health and Safety Guidelines) (April 2003)
- Industrial Establishments (R.R.O. 1990, Reg. 851)
- Information for New Workers and Students Working in Ontario
- Inventory of Agents or Combinations of Agents for the Purpose of Section 34 of the Act (R.R.O. 1990, Reg. 852)
- Joint Health and Safety Committees - Exemption from Requirements (O. Reg. 385/96)
- Mines and Mining Plants (R.R.O. 1990, Reg. 854)
- Mobile Compacting Equipment Safety Guideline (May 2004)
- Oil and Gas - Offshore (R.R.O. 1990, Reg 855)
- Protection of Workers from Hepatitis B in the Workplace (February 1995)
- Radiofrequency and Microwave Radiation in the Workplace (August 1994)
- Rest Breaks for Computer Operators (May 2005)
- Roll-Over Protective Structures (R.R.O. 1990, Reg. 856)
- Safety Guidelines for the Film and Television Industry in Ontario (3rd Edition - March 1997)
- Safety Guidelines for the Live Performance Industry in Ontario (2nd edition, January 1997)
- Teachers (R.R.O. 1990, Reg. 857)
- Technical Guide to the X-Ray Safety Regulation
- Training Programs (O. Reg. 780/94)
- Training Requirements for Certain Skill Sets and Trades (O. Reg. 572/99)
- Ultraviolet Radiation in the Workplace
- University Academics and Teaching Assistants (R.R.O. 1990, Reg 858)
- Ventilation Inspection and Records for Health Care and Residential Facilities (March 1995)
- Weightlifting or Lumbar Support Belts in Manual Materials Handling Work (July 1994)
- Welding and Other Hot Work on Containers (ENGINEERING DATA SHEET 4-14)
- Window Cleaning (R.R.O. 1990, Reg. 859)
- Working on Billboards - a Guideline for the Outdoor Advertising Industry
- Workplace Hazardous Materials Information System (WHMIS) Regulation (RRO 1990, Reg. 860)
- Workplace Hazardous Materials Information System (WHMIS): A Guide to the Legislation (May 1989)
- X-Ray Safety Regulation (R.R.O. 1990, Reg. 861)
- **OFF-ROAD VEHICLES ACT**
 - OFF-ROAD VEHICLES ACT (R.S.O. 1990, c. O.4)
 - General (R.R.O. 1990, Reg. 863)
- **OIL, GAS AND SALT RESOURCES ACT**
 - OIL, GAS AND SALT RESOURCES ACT (R.S.O. 1990, c. P.12)
 - Exploration, Drilling and Production (O. Reg. 245/97)
- **ONTARIO HERITAGE ACT**
 - ONTARIO HERITAGE ACT (R.S.O. 1990, c. O.18)
 - Criteria for Determining Cultural Heritage Value or Interest (O. Reg. 9/06)
 - Criteria for Determining Cultural Heritage Value or Interest of Provincial Significance (O. Reg. 10/06)
 - Definitions (O. Reg. 170/04)
 - Licences Under Part VI of the Act - Excluding Marine Archaeological Sites (O. Reg. 8/06)
 - Marine Archaeological Sites (O. Reg. 11/06)
- **ONTARIO WATER RESOURCES ACT**
 - ONTARIO WATER RESOURCES ACT (R.S.O. 1990, c. O.40)
 - Approval Exemptions (O. Reg. 525/98)
 - Fees - Approvals (O. Reg. 364/98)
 - Forms - Section 103 of the Act (REPEALED) (O. Reg. 25/01)
 - Licensing of Sewage Works Operators (O. Reg. 129/04)

- Municipal Sewage and Water and Roads Class Environmental Assessment Projects (R.R.O. 900, Reg. 900)
- Ontario Drinking Water Standards (REPEALED) (January 2001)
- Secured Creditors, Receivers and Trustees in Bankruptcy (O. Reg. 299/02)
- Sewage Works Subject to Approval under the Environmental Assessment Act (O. Reg. 207/97)
- The Taking and Use of Water (REPEALED) (O. Reg. 434/03)
- Transitional Provisions Relating to the Repeal of Part VIII of the Environmental Protection Act (O. Reg. 155/98)
- Water Taking and Transfer (O. Reg. 387/04)
- Water Taking and Transfer (REPEALED) (O. Reg. 285/99)
- Wells (R.R.O. 1990, Reg. 903)
- **PERSONAL HEALTH INFORMATION PROTECTION ACT, 2004**
 - PERSONAL HEALTH INFORMATION PROTECTION ACT, 2004 (S.O. 2004, c. 3)
- **PESTICIDES ACT**
 - PESTICIDES ACT (R.S.O. 1990, c. P.11)
 - Compendium of Scheduled Pesticides (April 1, 2000)
 - General (R.R.O. 1990, Reg. 914)
- **PLACES TO GROW ACT, 2005**
 - PLACES TO GROW ACT, 2005 (S.O. 2005, c. 13)
 - Growth Plan Areas (O. Reg. 416/05)
 - Transitional Matters - Growth Plan for the Greater Golden Horseshoe, 2006 (O. Reg. 311/06)
- **PLANNING ACT**
 - PLANNING ACT (R.S.O. 1990, c. P. 13)
 - Transitional Provisions Under Section 70.4 of the Act: Continuation and Disposition of Matters and Proceedings (O. Reg. 385/04)
- **PROFESSIONAL FORESTERS ACT, 2000**
 - PROFESSIONAL FORESTERS ACT, 2000 (S.O. 2000, c. 18)
- **PROFESSIONAL GEOSCIENTISTS ACT, 2000**
 - PROFESSIONAL GEOSCIENTISTS ACT, 2000 (S.O. 2000, c. 13)
 - Code of Ethics of Professional Geoscientists (O. Reg. 60/01)
 - Registration (O. Reg. 59/01)
- **PROVINCIAL OFFENCES ACT**
 - PROVINCIAL OFFENCES ACT (R.S.O. 1990, c. P.33)
- **PUBLIC HOSPITALS ACT**
 - PUBLIC HOSPITALS ACT (R.S.O. 1990, c. P.40)
 - Hospital Management (R.R.O. 1990, Reg. 965)
- **PUBLIC LANDS ACT**
 - PUBLIC LANDS ACT (R.S.O. 1990, c. P.43)
 - Conservation Reserve (O. Reg. 805/94)
 - Land Use Permits (R.R.O. 1990, Reg. 973)
 - Release of Reservations in Letters Patent (O. Reg. 110/01)
 - Work Permit - Construction (O. Reg. 453/96)
 - Work Permit -- Disruptive Mineral Exploration Activities (O. Reg. 349/98)
 - Work Permits (R.R.O. 1990, Reg. 975)
- **PUBLIC UTILITIES ACT**
 - PUBLIC UTILITIES ACT (R.S.O. 1990, c. P. 52)
- **PUBLIC VEHICLES ACT**
 - PUBLIC VEHICLES ACT (R.S.O. 1990, c. P.54)
 - General Regulation (R.R.O. 1990, Reg. 982)
- **ROAD ACCESS ACT**
 - ROAD ACCESS ACT (R.S.O. 1990, c. R.34)
- **SAFE DRINKING WATER ACT, 2002**
 - SAFE DRINKING WATER ACT, 2002 (S.O. 2002, c. 32)
 - Certification of Drinking-Water System Operators and Water Quality Analysts (O. Reg. 128/04)
 - Compliance and Enforcement (O. Reg. 242/05)
 - Definitions of "Deficiency" and "Municipal Drinking-water System" (O. Reg. 172/03)
 - Definitions of Words and Expressions Used in the Act (O. Reg. 171/03)
 - Drinking-Water Systems (O. Reg. 170/03)
 - Drinking-Water Testing Services (O. Reg. 248/03)

- Non-Residential and Non-Municipal Seasonal Residential Systems that Do Not Serve Designated Facilities (O. Reg. 252/05)
- Ontario Drinking-Water Quality Standards (O. Reg. 169/03)
- Procedure For Corrective Action for Systems Not Currently Using Chlorine (April 16, 2003)
- Procedure for Disinfection of Drinking Water in Ontario (June 1, 2003)
- Schools, Private Schools and Day Nurseries (O. Reg. 173/03)
- Technical Support Document for Ontario Drinking Water Standards, Objectives and Guidelines (June 2003)
- **SAFETY AND CONSUMER STATUTES ADMINISTRATION ACT, 1996**
 - SAFETY AND CONSUMER STATUTES ADMINISTRATION ACT, 1996 (S.O. 1996, c. 19)
 - Reviews and Appeals of Orders Issued by the Electrical Safety Authority (O. Reg. 3/05)
- **SMOKE-FREE ONTARIO ACT**
 - SMOKE-FREE ONTARIO ACT (S.O. 1994, c. 10)
 - General (O. Reg. 48/06)
- **SMOKING IN THE WORKPLACE ACT (REPEALED)**
 - SMOKING IN THE WORKPLACE ACT (REPEALED) (R.S.O. 1990, c. S.13)
 - Guide to Ontario's Workplace Smoking Law (REPEALED)
- **TECHNICAL STANDARDS AND SAFETY ACT, 2000**
 - TECHNICAL STANDARDS AND SAFETY ACT, 2000 (S.O. 2000, c. 16)
 - Aboveground Tanks Equipped For Gravity Dispensing of Fuel
 - Amusement Devices (O. Reg. 221/01)
 - Amusement Devices Code Adoption Document (June 1, 2001)
 - Boilers and Pressure Vessels (O. Reg. 220/01)
 - Boilers and Pressure Vessels Code Adoption Document (June 1, 2001)
 - Certification and Training of Amusement Device Mechanics (O. Reg. 187/03)
 - Certification and Training of Elevating Device Mechanics (O. Reg. 222/01)
 - Certification of Petroleum Equipment Mechanics (O. Reg. 216/01)
 - Codes and Standards Adopted by Reference (O. Reg. 223/01)
 - Compressed Natural Gas (O. Reg. 214/01)
 - Compressed Natural Gas Code Adoption Document (June 1, 2001)
 - Elevating Devices (O. Reg. 209/01)
 - Elevating Devices Code Adoption Document (June 1, 2001)
 - Environmental Management Protocol for Operating Fuel Handling Facilities in Ontario (GA1/99)
 - Fuel Industry Certificates (O. Reg. 215/01)
 - Fuel Oil (O. Reg. 213/01)
 - Fuel Oil Code Adoption Document (June 1, 2001)
 - Gaseous Fuels (O. Reg. 212/01)
 - Gaseous Fuels Code Adoption Document (June 1, 2001)
 - Guideline for Incident Reporting Criteria for Hydrocarbon Fuels Industry (May, 2002)
 - Liquid Fuels (O. Reg. 217/01)
 - Liquid Fuels Handling Code (August, 2001)
 - Liquid Fuels Handling Code Adoption Document (June 1, 2001)
 - Oil and Gas Pipeline Systems (O. Reg. 210/01)
 - Oil and Gas Pipeline Systems Code Adoption Document (June 1, 2001)
 - Operating Engineers (O. Reg. 219/01)
 - Propane Code Adoption Document (June 1, 2001)
 - Propane Storage and Handling (O. Reg. 211/01)
 - Signage for Alcohol Fuels
 - Stage I Vapour Recovery Equipment (Gasoline Branch Standard No. 1/96)
 - Underground Tanks - Overfill Protection
- **TRANSBOUNDARY POLLUTION RECIPROCAL ACCESS ACT, 1986**
 - TRANSBOUNDARY POLLUTION RECIPROCAL ACCESS ACT, 1986 (R.S.O. 1990, c. T.18)
 - Reciprocating Jurisdictions (R.R.O. 1990, Reg. 1084)
- **TRUCK TRANSPORTATION ACT (REPEALED)**
 - TRUCK TRANSPORTATION ACT (REPEALED) (R.S.O. 1990, c. T.22)
- **WASTE DIVERSION ACT, 2002**
 - WASTE DIVERSION ACT, 2002 (S.O. 2002, c. 6)
 - Blue Box Waste (O. Reg. 273/02)
 - Used Oil Material (O. Reg. 85/03)
 - Used Tires (O. Reg. 84/03)
 - Waste Electrical and Electronic Equipment (O. Reg. 393/04)

- **WASTE MANAGEMENT ACT, 1992**
 - WASTE MANAGEMENT ACT, 1992 (S.O. 1992, c. 1)
- **WEED CONTROL ACT**
 - WEED CONTROL ACT (R.S.O. 1990, c. W.5)
 - General Regulation (R.R.O. 1990, Reg. 1096)
- **WORKERS' COMPENSATION ACT**
 - WORKERS' COMPENSATION ACT (R.S.O. 1990, c. W.11)
- **WORKPLACE SAFETY AND INSURANCE ACT, 1997**
 - WORKPLACE SAFETY AND INSURANCE ACT, 1997 (S.O. 1997, c. 16)
 - Benefit for Loss of Retirement Income (O. Reg. 562/99)
 - First Aid Requirements (R.R.O. 1990, Reg. 1101)
 - Functional Abilities Form (O. Reg. 456/97)
 - General (O. Reg. 175/98)
 - Guidelines for Workplace-Specific Hazard Training of Certified Members (December 2000)
 - Reinstatement in the Construction Industry Regulation (O. Reg. 259/92)

SUMMARY

This Booklet is a help guide to support IEP with basic and necessary info about the Canadian knowledge required for working in the construction industry. It is the reader responsibility to adjust any info, research it, and complete his own picture for his use.

Recommendations are welcomed to update this free “pdf” booklet. Please feel free to email it to your friend, or anyone you may think in need for.

Wish you best of luck

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