

**CHARTERED**   
INSTITUTE OF PROFESSIONAL CERTIFICATIONS

# CANADA MINING ENVIRONMENTAL REGULATIONS AND COMPLIANCE



**Fully Accredited  
By:**

Chartered Institute of  
Professional Certifications

CPD  
Certification Service

# PROGRAM OVERVIEW



Canada's mining environmental regulations are intricate and multifaceted, with a complex interplay of federal, provincial, and territorial regulations. This multi-layered system can create overlapping or even conflicting rules, making it challenging for mining companies to navigate the legal landscape. Furthermore, different federal and provincial agencies are responsible for enforcing various aspects of mining environmental regulations, which can create additional confusion and complexity, making it difficult for mining operations to remain compliant with the relevant legislation.

This certified program will provide you with a comprehensive understanding of the complex and dynamic mining environmental regulations in Canada at both the federal and provincial/territorial levels. You will learn a wide range of critical topics, including the **Canadian Environmental Protection Act (CEPA)**, **Canadian Impact Assessment Act (IAA)**, the **Fisheries Act**, the **Metal and Diamond Mining Effluent Regulations (MDMER)**, the **Species at Risk Act (SARA)**, and **province-specific mining environmental regulations**, providing you with a well-rounded understanding of the legal landscape governing mining operations. This program will also **highlight different provincial and territorial environmental laws**, focusing on their unique aspects and the nuances in implementation, and help you understand the interplay between federal and provincial/territorial regulations.

## ACCREDITATIONS



4.8



4.6





# PROGRAM OVERVIEW

In addition, this program will teach you how to **create and implement environmental management systems (EMS) in line with the relevant legislation, as well as how to conduct environmental impact assessments (EIAs) and develop mine closure and reclamation plans that comply with regulatory requirements.** Additionally, the program will provide insights into Indigenous rights engagement, public consultations, and the latest strategies for developing sustainable mine closure and rehabilitation plans.

With a solid understanding of Canada's mining environmental regulations and compliance requirements, you can then **integrate best practices into your organization's environmental management strategy,** ensuring a legally compliant and environmentally responsible mining operation.

Upon successfully completing the program, you will earn the **Certification in Canadian Mining Environmental Regulations and Compliance.** This certification will elevate your professional standing and demonstrate your expertise in the Canadian mining environmental regulatory framework, as well as in implementing effective compliance strategies that ensure adherence to environmental standards in the mining sector.

## ACCREDITATIONS



4.8



4.6



# KEY SKILLS YOU WILL GAIN

## From This Program



**CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA) COMPLIANCE**  
**NAVIGATING THE CANADIAN ENVIRONMENTAL ASSESSMENT ACT (CEAA)**

**UNDERSTANDING THE SPECIES AT RISK ACT (SARA)**  
**PROVINCIAL MINES AND MINERALS ACT**  
**ENVIRONMENTAL IMPACT ASSESSMENT (EIA)**

**INDIGENOUS CONSULTATION AND RIGHTS ENGAGEMENT**  
**PUBLIC CONSULTATION PROCESS MASTERY**  
**DEVELOP WATER MANAGEMENT PLANS**

**AIR QUALITY MANAGEMENT STRATEGIES**  
**GREENHOUSE GAS (GHG) EMISSIONS REDUCTION TECHNIQUES**  
**MINE CLOSURE AND REHABILITATION PLAN DEVELOPMENT**

**WASTE MANAGEMENT AND TAILINGS CONTROL**  
**BIODIVERSITY AND ECOSYSTEM PRESERVATION**

# YOUR FACULTY DIRECTOR



## Wasef Jamil

### Renowned Principal Environmental Engineer

Wasef Jamil is a distinguished principal environmental engineer and national environmental solution leader with over 18 years of expertise in environmental compliance across the paper, mining, oil & gas, sustainability, and energy sectors. As a **"Qualified Person" under Ontario Regulation 153/04 and a licensed "Toxic Substance Reduction Planner" by the Ontario Ministry of the Environment, Conservation and Parks (MECP)**, he offers a comprehensive understanding of environmental compliance auditing, air and noise compliance permitting, and toxic substance reduction planning.

Wasef's extensive experience in air quality assessments includes **preparing Environmental Compliance Approval (ECA) applications and conducting Air Quality Impact Assessments (AQIA) under stringent Ontario regulations**. His proficiency extends to federal and provincial greenhouse gas regulations, making him a critical resource for oil and gas operations.

He has successfully **led Environmental and Social Impact Assessments (ESIA) and Environmental, Social, and Governance (ESG) projects both in Canada and internationally**, emphasizing sustainability and environmental management. Additionally, Wasef's significant experience in merger and acquisition due diligence ensures clients effectively manage environmental risks. His technical expertise guarantees rigorous compliance and strategic risk management, while his independent technical reviews support the successful completion of detailed environmental site assessments and ISO 14001 EMS Audits.

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# PROGRAM AGENDA

## **MODULE 1 - CANADA – A MINING POWERHOUSE**

- Why Canada? Alignment of Canadian Resources to Global Needs – Present and Future Trend
- Background on Canadian Mining Industry – Metals & Minerals Governance of Mining Industry - Structure Orientation (Federal, Provincial and Territorial)
- Multi-Perspective Approach to Regulations for Mining Sector – Exploration and Preliminary Assessment, Pre-Feasibility Studies, Permitting and Regulatory Approval Process

## **MODULE 2 - REGULATORY EHS FRAMEWORK (FEDERAL) – CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA)**

- Introduction & Overview
- Current Regulations Under the Act
- Pollution Prevention Plans
- Controlling Toxic Substances
- Environmental Matters Related to Emergencies
- Key Stakeholders – Government Operations, Federal and Aboriginal Lands
- Enforcement

## **MODULE 3 - FEDERAL – CANADIAN ENVIRONMENTAL ASSESSMENT ACT (CEAA)**

- Introduction & Overview
- Scope of EAA
- Project Applicability & Timing
- Public Participation / Engagements

## **MODULE 4 - FEDERAL - SPECIES AT RISK (SAR) ACT, FISHERIES ACT AND MIGRATORY BIRDS CONVENTION ACT**

- Framework Understanding
- Purpose and Applicability in the Context of EA (Biodiversity Considerations)
- Monitoring and Enforcement – Penalties & Fines

## **MODULE 5 - FEDERAL – IMPACT ASSESSMENT ACT (IAA)**

- Introduction & Overview – Purpose & Benefits
- Project Applicability & Timing
- What is Examined During a Federal IA
- Main Steps of the IA Process and Outcomes
- Public and Indigenous Participation Process



# PROGRAM AGENDA

## MODULE 6 - CANADA'S MINES AND MINERALS ACTS – PROVINCIAL GOVERNMENT

- Overview of:
  - Alberta: Mines and Minerals Act
  - British Columbia: Mines Act
  - Manitoba: The Mines and Minerals Act
  - Ontario: Mining Act
  - Québec: Mining Act

## MODULE 7 - PROVINCIAL REGULATION

- Environmental Assessments (EA)
  - Navigating Applicability: Regulatory Agencies in Play
  - Provincial – Class EAs and Planning Process
  - Land Use Compatibility and Feasibility Assessments
  - Indigenous Rights Engagement & Public Consultation

## MODULE 8 - PROVINCIAL REGULATION

- Permitting Regulations (Construction and Commissioning Phase)
  - Applicable Licencing and Permitting Criteria
  - Managing with Compliance Requirements Prior to Construction Phase

## MODULE 8 - PROVINCIAL REGULATION

- Environmental Management Planning – Water, Air Quality, GHG Emissions, Environmental Restoration
- Monitoring, Verification and Validation Procedures Through Applicable Environmental Management System

## MODULE 9 - PROVINCIAL REGULATION

- Monitoring Compliance Requirements (Operational Phase)
  - Permit Requirements on Environmental Performance Assessment During Operations Phase
  - Continuous Monitoring, Verification and Validation Assessment Procedures Through Applicable Environmental Management System
  - Reporting to Government Agencies on Environmental Performances

## MODULE 10 - PROVINCIAL REGULATION

- Monitoring & Performance Assessment (Closure and Reclamation Phase)
  - Development of Mine Closure and Rehabilitation Plans





# PROGRAM AGENDA

- Managing Compliance Assessment Based on Closure Permit Requirements to Rehabilitate Disturbed Lands and Water Bodies
- Closure Reporting Requirements Based on Regulatory Agencies Requirements
- Management of Stakeholder Engagement Compliance for Long Term Environmental and Community Benefits

## MODULE 11 - FUTURE DRIVEN

- Sustainable Mining & ESG Considerations
  - Convergence of Sustainable Trends
  - Establishing Decarbonization Ambitions
  - Build Resilient Strategies & Implementing Innovative Solutions
  - Leading with ESG Strategies and Reporting

# YOUR CHARTER DESIGNATION



Chartered Institute of Professional Certifications' programs are unique as they provide you with professional charter designations and marks that can be used across your lifetime once you have completed our programs.

Upon successfully attending this program, you will be awarded with the **Certification in Canada Mining Environmental Regulations and Compliance** that can be used in your resume, CV and other professional credentials. This certification is industry-recognized with lifelong validity.

Globally demanded and recognized, this certification will amplify your professional qualifications and demonstrate your expertise in Canadian mining environmental regulations framework and your ability to create proper compliance frameworks that align with all relevant regulations and policies. This program is developed by **Chartered Institute of Professional Certifications** and the content of this program has been certified by **CPD Certification Service** as adhering to highest standards of continuing professional principals.

# ABOUT US

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390

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# OUR FACULTY DIRECTORS

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# CONTACT US TODAY

We Thank You for Your Ongoing Support  
of Our Programs

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