



## Forensic Fire Protection Engineer

Bring your strong technical expertise and professional experience to the Ministry of the Solicitor General, Office of the Fire Marshal and Emergency Management, where you will apply your sound knowledge of engineering principles by providing expertise at fire investigations and explosions to assist in determining origin and cause to enhance the level of fire safety for the residents of Ontario.

The Ontario Public Service (OPS) is committed to being an employer of first choice, creating a positive and inclusive work environment.

We offer:

- a defined benefit pension plan
- maternity and parental leave top-up benefits, which include adoptive parents
- comprehensive health plan
- life and disability insurance
- flexible work arrangements
- collegial and professional work culture
- career growth and development opportunities across multiple business areas
- on-the-job training to support your success in the role

Please note that this position is located at 2284 Nursery Road in Midhurst; however, alternate work locations may be considered, based on operational feasibility.

Individuals with experience in all fire Engineering disciplines are encouraged to apply. We would like to expand our expertise in the areas of Fire Alarm Systems, Chemical and Electrical.

### **OPS Commitment to Diversity, Inclusion, Accessibility, and Anti-Racism:**

We are committed to build a workforce that reflects the communities we serve and to promote a diverse, anti-racist, inclusive, accessible, merit-based, respectful and equitable workplace.

We invite all interested individuals to apply and encourage applications from people with disabilities, Indigenous, Black, and racialized individuals, as well as people from a diversity of ethnic and cultural origins, sexual orientations, gender identities and expressions.

Visit the [OPS Anti-Racism Policy](https://www.ontario.ca/page/ontario-public-service-anti-racism-policy) < <https://www.ontario.ca/page/ontario-public-service-anti-racism-policy> > and the [OPS Diversity and Inclusion Blueprint](https://www.ontario.ca/page/ops-inclusion-diversity-blueprint) < <https://www.ontario.ca/page/ops-inclusion-diversity-blueprint> > pages to learn more about the OPS commitment to advance racial equity, accessibility, diversity, and inclusion in the public service.

We offer employment accommodation across the recruitment process and all aspects of employment consistent with the requirements of Ontario's [Human Rights Code](http://www.ohrc.on.ca/en/ontario-human-rights-code) < <http://www.ohrc.on.ca/en/ontario-human-rights-code> >. Refer to the application instructions below if you require a disability-related accommodation.

### **What can I expect to do in this role?**

In this role, you will:

- conduct complex forensic investigations at fires and explosions across Ontario, working as part of a multi-disciplinary team with other ministries, agencies, and fire and police services
- provide technical advice and assistance on the application of legislation, regulations, codes and standards (e.g., Fire Protection and Prevention Act (FPPA), Fire Code, etc.) which relate to fire safety
- develop technical reports on a variety of fire safety-related matters where engineering expertise is required
- assess the impact and effectiveness of Fire Code requirements and assist in the development of submissions and recommendations to government for revisions to the Fire Code

- represent the Office of the Fire Marshal on internal and external technical committees

**Location:** Midhurst

**How do I qualify?**

**Mandatory**

- You are a Professional Engineer, licensed with Professional Engineers Ontario (PEO).
- You must have a valid class 'G' driver's licence or equivalent, as recognized by the Province of Ontario. The offer of employment is conditional upon the successful candidate providing proof that they have a valid driver's licence upon being hired.
- You must be able to travel frequently throughout the province, often for overnight stays.

**Technical expertise:**

You have:

- knowledge of the theories, principles and practices of at least one of the engineering disciplines, such as chemical, mechanical, electrical or civil engineering, with specialization in fire dynamics
- knowledge of fire science, fire chemistry, fire/explosion dynamics, thermometry, thermochemistry, thermodynamics, failure analysis and analytical tools, hazardous materials, and fire investigative and forensic techniques and methodologies
- knowledge of federal, provincial and municipal government structure and operations related to fire safety
- in-depth knowledge of fire safety-related legislation, regulations, codes, standards and their application as well as a general knowledge of the Criminal Code, Canada Evidence Act and legal and courtroom procedures
- sound knowledge of fire dynamics, including the consequences of fires
- proficiency with computers, common office productivity software and a variety of applications, including fire and explosion modelling, still and video image editing

**Communication and interpersonal skills:**

You have:

- proven communication skills to provide expert testimony in court, and briefings, presentations and technical advice and assistance to the ministry, government, municipalities, stakeholder groups and the public
- written communication skills to develop technical reports, articles, communiques, training materials, and materials in support of making amendments to existing regulations or development of new legislation, regulations, codes and standards
- relationship management and interpersonal skills to liaise with all levels of government officials, other governments, municipalities and stakeholders; to participate in technical committees; and to establish and maintain positive relationships with public safety partners

**Analytical and investigative skills:**

You have research, analytical, and investigative skills to:

- gather and assess information, identify relevant issues and prepare reports that set out your findings
- perform quality assurance audits and compliance monitoring
- identify relevant public safety issues and risks, and recommend solutions
- conduct research to develop solutions to unique situations

**Project management:**

You have:

- knowledge of project management methodologies and techniques to provide technical and engineering advice and assistance on issues related to fire safety on projects
- the ability to plan projects, recommend resource requirements, and ensure deadlines are met

**Salary Range:** \$87,125 - \$130,681 Per Year

**Additional information:**

- 1 Permanent, 2284 Nursery Rd, Midhurst, Central Region, Criminal Record and Judicial Matters Check

**Note:**

- In accordance with the Ontario Public Service (OPS), Employment Screening Checks Policy (ESCP), the top candidate(s) may be required to undergo a security screening check. Refer to the above to determine the screening checks that are required for this position.

Required security screening checks along with your written consent, will be sent to the Transition and Security Office (TSO), Corporate Talent Programs Branch, Talent and Leadership Division to evaluate the results. If applicable, the TSO, with your written consent, will request and obtain any additional employment screening checks that were not obtained directly by you.

A record under the Criminal Code and/or other federal offence record(s) does not automatically mean you will be ineligible for the position. The employment screening check(s) will only be reviewed and evaluated by the TSO for the purpose of making a security clearance decision. The details of an individual's employment screening check(s) will be considered in specific relation to the duties and responsibilities of the position being filled. Employment screening check records will be maintained by the TSO and kept strictly confidential.

Please apply online, only, at [www.ontario.ca/careers](http://www.ontario.ca/careers), quoting **Job ID 203694**, by **Monday, September 25, 2023**. Please follow the instructions to submit your application. Faxes are not being accepted at this time.

If you require accommodation in order to participate in the recruitment process, please contact us at [www.gojobs.gov.on.ca/ContactUs.aspx](http://www.gojobs.gov.on.ca/ContactUs.aspx) to provide your contact information. Recruitment Services staff will contact you within 48 hours. Only those applicants selected for an interview will be contacted.

The Ontario Public Service is an inclusive employer. Accommodation will be provided in accordance with Ontario's *Human Rights Code*.

[www.ontario.ca/careers](http://www.ontario.ca/careers)