



Industrial Safety By: Johnson Engineering Consultants Inc.

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Did you know that managers and supervisors have personally been fined thousands of dollars and even sentenced to jail time as a result of neglecting to properly address safety concerns within the workplace?

*The Federal Government has passed **Bill C-45** to ease the prosecution of Health & Safety violations under the criminal code which will likely make rulings against safety violations more frequent in the future!*

*Currently, employers are required to have Pre-Start Health and Safety Reviews (PSHSR) performed for new or modified machinery that meet the specific criteria outlined in MOL Reg. 851, Section 7. What about the other machinery in your facility where a PSHSR is not applicable? Do you have a plan for ensuring that these machines are in compliance with the many other regulations and standards that comprise the **minimum** requirements for a safe workplace?*

Many sources will tell you that: Attention to Safety = Less Work Related Injuries = Higher Productivity

The REAL Benefits of Having Documented Safety Reviews

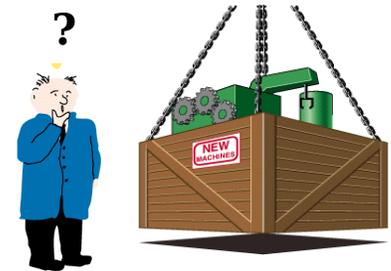
1. A documented safety review provides the possibility of a due diligence defense in the event that an accident is brought before a court of law: no document, no defense.
2. A documented safety review demonstrates the employer's commitment to provide a safe workplace to all of their employees and can improve the overall morale within the company.
3. Taking an initiative on machinery safety by completing safety reviews can prepare your company for, and possibly prevent, an order from being issued at an inopportune time by a Ministry of Labour officer during an unexpected inspection.

Outsourcing Safety Reviews is in Your Best Interest

There are many benefits to using an independent auditor to perform Pre-Start Health & Safety Reviews:

1. In-house staff are likely not familiar with *all* of the safety regulations and do not have the time to learn them.
2. More efficient use of management time by delegating the review process to an independent company.
3. A third party review of machinery safety can improve employee/management relations since it will less likely be perceived by employees as a biased review where costs have an undue priority.
4. Shared Liability between your company and the company that prepares a written safety review of your machinery, in the event of an accident. Professional Engineering firms are **required** to maintain liability insurance by the Association of the Professional Engineers of Ontario.

Equipment and Machine Conformity
Is it safe?



Johnson Engineering Consultants Inc.

Johnson Engineering Consultants has been operating since 1955. Our success is based on the quality service that we have been providing for the past 50 years. We have provided safety reviews since 1997 when "Pre-Development Reviews" were first required by the Ministry of Labour. Our company longevity attests to our stability. We will be there for you when you need us.

Johnson Engineering Consultants provides all of the above features with an approach that encourages input from your operations staff.

Contact us today to discuss your specific needs with one of our qualified Industrial Safety Specialists.

Let us help you to take that first step toward providing a safe workplace for all of your employees.
We have the experience, the knowledge, and a name you can trust.

Pre-Start Health and Safety Reviews

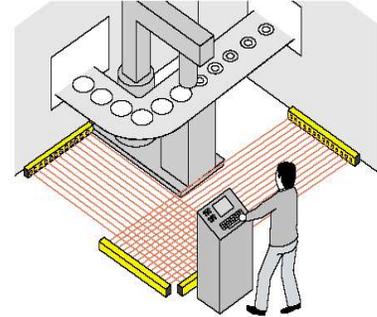
Section 7 of Regulation 851 of the Occupational Health and Safety Act Regulations for Industrial Establishments

The Ontario Ministry of Labour under Regulation 851 of the Occupational Health and Safety Act (OHSA) requires that in certain circumstances, an owner or lessee must obtain a report signed and sealed by a professional engineer stating that a particular piece of equipment, machine or device will comply with the Act and regulations...

Section 7 (2) of the Act reads:

"... A pre-start health and safety review is required if, in a factory other than a logging operation, a provision of this Regulation listed in the Table applies and the circumstances described in the Table will exist,

- a. because a new apparatus, structure or protective element is to be constructed, added or installed or a new process is to be used; or
- b. because an existing apparatus, structure, protective element or process is to be modified and one of the following steps must be taken to obtain compliance with the applicable provision:
 1. New or modified engineering controls are used.
 2. Other new or modified measures are used.
 3. A combination of new, existing or modified engineering controls and other new or modified measures is used."



SECTION 7 PROVISION TABLE

Applicable Provisions of Regulation 851	Circumstances
1. Subsections 22 (1), (2), and (4)	Flammable liquids are located or dispensed in a building, room or area.
2. Sections 24, 25, 26, 28, 31 and 32	Any of the following are used as protective elements in connection with an apparatus: <ol style="list-style-type: none"> i. Safeguarding devices that signal the apparatus to stop, including but not limited to safety light curtains and screens, area scanning safeguarding systems, radio frequency systems and capacitance safeguarding systems, safety mat systems, two-hand control systems and single or multiple beam systems. ii. Barrier guards that use interlocking mechanical or electrical safeguarding devices.
3. Clause 45 (b)	Materials, articles or things are placed or stored on a structure that is a rack or stacking structure.
4. Section 63	A process involves a risk of ignition or explosion that creates a condition of imminent hazard to a person's health or safety.
5. Section 65	The use of a dust collector involves a risk of ignition or explosion that creates a condition of imminent hazard to a person's health or safety.
6. Sections 87.3, 87.4, 87.5 and 88, subsections 90 (1), (2) and (3), and Sections 91, 92, 94, 95, 96,99, 101 and 102	A factory produces aluminum or steel or is a foundry that melts material or handles molten material.
7. Sections 51 and 53	The construction, addition, installation or modification that relates to a lifting devices, traveling crane or automobile hoist.
8. Sections 127 and 128	A process uses or produces a substance that may result in the exposure of a worker in excess of any limits set out in Regulation 833, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845 or 846 of the Revised Regulations of Ontario, 1990.

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Industrial Health & Safety • Agricultural
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