

**Part 1            General**

**1.1                CONTENT OF THE SECTION**

- .1        The contractor must manage his activities so that health and safety of the public and the construction personnel as well as the protection of the environment have always precedence over questions related to costs and work schedule.

**1.2                REFERENCES**

- .1        Canada Labour Code, Part 2, Canada Occupational Safety and Health Regulations
- .2        Canadian Standards Association (CSA).
- .3        Workplace hazardous Material Information System (WHMIS) /Health Canada.
  - .1        Material safety data sheets (MSDS).
- .4        An act respecting occupational health and safety, L.R.Q. Chapter S-2.1.
- .5        Safety code for the construction industry, S-2.1, r.4.

**1.3                ACTION AND INFORMATIONAL SUBMITTALS**

- .1        Submit documents and samples in accordance with Section 01 33 00 - Submittal Procedures.
- .2        Submit to Departmental Representative, to the CSST, to the Joint Association for health and safety in the construction sector (ASP Construction), the prevention program specific to the construction site, as described in article 1.8, at least 10 days before the beginning of the works. The contractor must thereafter update his prevention program if during course of works; they differ from his initial projection. The Departmental Representative may, after receiving the program and at any time during the works, require that the program be modified or completed to better reflect the reality of the construction site. Contractor must thus then bring required corrections before the beginning of the works.
- .3        Transmit to Departmental Representative the inspection checklist of the construction site duly completed at the frequency indicated at article 1.13.1.
- .4        Submit to Departmental Representative, in the following 24 hours, 1 copy of all inspection reports, correction notices or recommendations issued by Federal, Provincial and Territorial health and safety inspectors.
- .5        Submit to Departmental Representative, in the following 24 hours 1 copy of all inquiry reports of all accidents implying injury and all incidents that put into light a potential risk.
- .6        Submit to Departmental Representative all WHMIS MSDS - Material Safety Data Sheets of all controlled products used on the construction site and this at least three days before their use on the construction site.

- .7 Transmit to Departmental Representative the copies of training certificates required for the application of the prevention program, notably:
  - .1 General health and safety courses for construction sites.
  - .2 Security guard certification
  - .3 First-aid in the workplace and cardio respiratory resuscitation.
  - .4 Works likely to emit asbestos dust.
  - .5 Works in enclosed spaces.
  - .6 Padlocking procedures.
  - .7 Wearing and adjustment of individual protection equipment.
  - .8 Secure driving of fork-lift trucks
  - .9 Works Lifting Platforms
  - .10 And all other formations required by law or by the prevention program.
- .8 Medical Exams: when medical exams are required by legislations, regulations, specifications or safety program, the contractor must:
  - .1 Before mobilisation, transmit to Departmental Representative the certifications of medical exams of his supervising personnel and all his employees targeted by the first paragraph of the present article who will be present at the opening of the construction site.
  - .2 Transmit thereafter as we go along and without delay certifications of medical exams of all people newly arrived at the construction site that are targeted by the first paragraph of the present article.
- .9 Emergency Plan: The emergency Plan as described in article 1.8.3 must be transmitted to Departmental Representative at the same time as the prevention program.
- .10 Notice of opening of construction site: the notice of opening of construction site must be transmitted to the CSST Commission de la santé et de la sécurité du travail before the beginning of the works, with copy to Departmental Representative. One copy of this notice must also be posted prominently at the construction site. At the time of the demobilization, the notice of closing must be transmitted to the CSST, with copy to Departmental Representative.
- .11 Engineer's Plans and certifications of conformity: the contractor must submit to the CSST and to Departmental Representative a copy signed and sealed by an engineer of all plans and conformity certifications which are required in virtue of the Safety code for the construction industry (S-2.1, r. 6), of another law, another regulation or another clause of the specifications or the contract. A copy of these documents must be available at all times at the construction site.
- .12 Conformity certification delivered by the CSST: the conformity Certification is a document delivered by the CSST confirming that the contractor is in order with the CSST, that is to say that he has paid owed amounts relating to a given contract. This document must be given to Departmental Representative at the end of the works.

#### **1.4 EVALUATION OF RISKS**

- .1 The contractor must proceed to an identification of dangers relative to each task performed on the construction site.
- .2 The contractor must plan and organize works in order to promote the elimination at the source of dangers or collective protection and therefore reduce to the minimum resorting to individual protection equipment. When an individual protection against falls is required, workers must use a security harness in conformance to standard CAN/CSA-Z-259.10-M90. The security belt must not be used as protection against falls.
- .3 An equipment, a tool where a protection mean cannot be installed or used without compromising the health and security of workers or of the public is reputed to be inadequate for the work to be done.
- .4 All mechanical equipments must be inspected before their delivery on the construction site. Before using mechanical equipment the Contractor must transmit to Departmental Representative a conformity certificate signed by a competent mechanic. Departmental Representative may at all times if he suspects a defect or an accident risk, order the immediate stopping of the equipment and require a second inspection by a specialist of his choice.
- .5 For all uses of lifting equipment for people or materials, make sure all inspections required by standards in effect have been done and be able to give a copy of inspection certificates on request by Departmental Representative.

#### **1.5 MEETINGS**

- .1 A decision-taking representative of the contractor must attend all meetings where there is question of health and security on the construction site.
- .2 The contractor must set up a construction site committee and hold meetings as required by the Safety code for the construction industry.

#### **1.6 REGULATORY REQUIREMENTS**

- .1 Conform to all laws, all regulations and all standards which are applicable to the execution of the works.
- .2 Observe the prescribed standards and regulations in order to guarantee normal proceedings of the works on grounds contaminated by hazardous or toxic materials.
- .3 Regardless of the publication date of standards indicated in the Safety code for the construction industry, always use the version in effect at the moment where it is applicable.

#### **1.7 PROJECT/SITE CONDITIONS/ IMPLEMENTATION**

- .1 On this construction site, the contractor must take into account the following particularities:
  - .1 Works susceptible of emitting asbestos dust.
  - .2 Presence of lead in paint.
  - .3 Presence of mildew.
  - .4 Works in enclosed spaces.

## **1.8 HEALTH AND SAFETY MANAGEMENT**

- .1 Accept and assume all tasks and obligations normally attributed to the owner in virtue of the « Loi sur la santé et la sécurité du travail (L.R.Q., chapitre S-2.1) » and of the « Safety code for the construction industry (S-2.1, r.4). ».
- .2 Develop written site-specific Prevention program based on hazard assessment prior to beginning site Work and continue to implement, maintain, and enforce program until final demobilization from site. The prevention program must address the particularities of art. 1.7. It must be transmitted to all people concerned, in conformance with article 1.3. The prevention program must include at the minimum:
  - .1 The policy of the of the company as regards to health and safety;
  - .2 The description of the works, their total costs, the works schedule and the forecast of the size of workforce during the schedule;
  - .3 The organization chart of responsibilities as regards to health and safety;
  - .4 The physical and material organization of the work site;
  - .5 The standards of emergency care and first aid;
  - .6 Identification of risks as regards to the work site;
  - .7 Identification of risks as regards to the performed tasks, including prevention measures and modalities of application;
  - .8 Required training;
  - .9 The procedure in case of accidents/ injuries;
  - .10 The written commitment of all intervening people of the project to respect this prevention program;
  - .11 An inspection checklist of the work site based on preventive measures.
- .3 The contractor must elaborate an effective emergency plan, as regards to the characteristics and constraints of the work site and it's environment. The emergency plan must be transmitted to all people concerned, in conformance to the dispositions of article 1.3. The emergency plan must notably contain:
  - .1 The procedure of evacuation;
  - .2 Identification of resources (police, firefighters, ambulances etc.);
  - .3 Identification of people responsible on the worksite;
  - .4 Identification of first-aid workers;
  - .5 Required training of people responsible for it's application;

## **1.9 RESPONSIBILITY**

- .1 Regardless of the size of the work site or the number of workers involved, designate a competent person as a supervisor responsible for health and safety. Take all necessary measures to ensure health and safety of people on site, safety of property on site and for protection of people adjacent to site and environment to extent that they may be affected by conduct of Work.

- .2 Take all necessary measures to ensure the application and respect of health and safety requirements contained in the contract documents, federal and provincial regulations, applicable standards and the specific prevention program of the work site and conform without delay to all prescriptions or correction notices emitted by the “Commission de la santé et de la sécurité du travail”.
- .3 Take all necessary measures to keep the worksite clean and in good order, during the whole duration of the works.

#### **1.10 COMMUNICATION AND POSTING**

- .1 Take all necessary measures to ensure an effective communication of informations as regards to health and safety on the work site. As soon as they arrive on the worksite, all workers must be informed of the particularities of the prevention program, of their obligations and of their rights. The contractor must insist on the right of the workers to refuse to execute works if they believe this work may compromise their health, their safety, their physical integrity or the ones of other people present on the worksite. Keep on the worksite and update regularly a register with transmitted informations and signatures of all workers who have received these informations.
- .2 The following informations and documents must be posted in a location easily accessible by the workers:
  - .1 Opening of worksite notice;
  - .2 Identification of the master builder;
  - .3 Policy of the company as regards to Health and safety;
  - .4 Specific prevention program for the worksite;
  - .5 Emergency Plan;
  - .6 Work and safety data sheets of all controlled products used on the worksite;
  - .7 Official reports of meetings of the worksite committee;
  - .8 Names of representatives at the worksite committees;
  - .9 Names of first-aid workers;
  - .10 Intervention and correction reports emitted by the CSST.

#### **1.11 UNFORSEEN HAZARDS**

- .1 When an unforeseen hazard non specified in the specifications and non identifiable during the preliminary inspection of the worksite appears by the fact or during the execution of the works, the contractor must stop immediately the works, set up temporary protection measures for the workers and the public and inform the Departmental Representative verbally and in writing. The contractor must therefore make necessary modifications to the prevention program so that the works may start again in full safety.

#### **1.12 HEALTH SAFETY HYGIENE AND ENVIRONMENT SPECIALIST**

- .1 Hire, at the beginning of the works, at least a security guard in conformance with dispositions of articles 2.5.3 and 2.5.4 of the Safety code for the construction industry (S-2.1, r. 6) and grant to him the authority and necessary resources for the exercise of his functions.

- .2 Hire for the mobilisation on the worksite a competent person whose task will be to ensure the respect and application of all laws, regulations and standards as well as contractual requirements as regards to health and safety.
- .3 Give to this person the authority, resources and tools necessary to the accomplishment of his task.
- .4 The chosen person must notably:
  - .1 Have extensive knowledge of laws and regulations applicable to the worksite regarding health and safety.
  - .2 Elaborate and diffuse an awareness program for all employees of the work site.
  - .3 Ensure that no worker be admitted on the Work site without having followed the awareness program and successfully completed required training in conformance to applicable legislation and to the prevention program specific to the work site.
  - .4 Inspect the works and ensure the respect of all regulatory requirements and those indicated in contractual documents or prevention program.
  - .5 Hold a daily register of interventions and transmit one copy to Departmental Representative once a week.

#### **1.13 INSPECTION OF WORKSITE AND CORRECTION OF DANGEROUS SITUATIONS**

- .1 Inspect the worksite and complete the inspection checklist of the worksite at least once a week.
- .2 Take without delay all necessary measures to correct non-compliance issues to laws and regulations and to dangerous situations identified by a government inspector, by Departmental Representative, by the construction health and safety coordinator, or during periodical inspections.
- .3 Transmit to Departmental Representative a written confirmation of all measures taken to correct non-compliance issues and dangerous situations.
- .4 Stoppage of works: Give to the security guard or, when there is no security guard, to the person mandated to take care of health and safety all necessary authority to order the stoppage and resumption of works when he judges it necessary or desirable for health and safety reasons. He must ensure that the health and safety of the public and the worksite personnel as well as the protection of the environment have always precedence over considerations related to costs or schedule of works.
- .5 Without limiting the scope of articles 1.8 and 1.9, the Departmental Representative may at any time order the stoppage of works if, according to his understanding, there exist a danger or a risk for the health or safety of the worksite personnel or the public or for the environment.

#### **1.14 BLASTING**

- .1 Blasting or other use of explosives is not permitted without prior receipt of written instruction by Departmental Representative.
- .2 All operations implying explosives must be done under the immediate supervision of a qualified blaster.
- .3 Purchase, transport, storing and use of explosives must respect dispositions of applicable federal and provincial laws:
  - .1 Canada: Explosives Act (E-17), Explosives regulations (C.R.C. CH. 599), standard relating to storage of explosives, Transportation of dangerous goods regulations.
  - .2 Québec: Regulation under the act respecting explosives (E-22), Regulation under the act respecting explosives (E-22, r.1), Safety code for the construction industry (S-2.1, r.4), Transportation of dangerous goods regulations.
- .4 The contractor must obtain all permits required in virtue of the laws and regulations above mentioned and keep a copy easily accessible at the worksite.
- .5 The contractor must facilitate the visit of the worksite and explosives storages as well as the inspection of vehicles used for their transportation to all governmental representatives and police officers having jurisdiction as regards to explosives.

#### **1.15 SEALING PISTOLS AND OTHER POWDER ACTUATED DEVICES**

- .1 Use sealing pistols and other powder actuated devices only after receipt of written permission from Departmental Representative.
- .2 Any person using a sealing pistol must have a training certificate and satisfy all requirements of section 7 of the Safety code for the construction industry (S-2.1, r. 6).
- .3 Any other powder actuated device must be used according to manufacturer's instructions and in conformance to all applicable standards and regulations.

**END OF SECTION**