

**Part 1 General**

**1.1 CONTENT OF THE SECTION**

- .1 Manage site activities so that health and safety of public and site personnel and the protection of the environment always take precedence over cost and schedule issues.

**1.2 RELATED REQUIREMENTS**

- .1 Section 01 33 00 – Submit documents and samples

**1.3 REFERENCE STANDARDS**

- .1 Canada Labour Code, Part 2, Canada Occupational Safety and Health Regulations
- .2 Canadian Standards Association (CAN/CSA)
- .3 Workplace Hazardous Materials Information System (WHMIS) /Health Canada
- .4 Act Respecting Occupational Health and Safety, L.R.Q.1997 (Updated 1<sup>st</sup> December 2013)
- .5 Safety Code for the construction industry, R.R.Q. S-2.1, r.6 (Updated 1<sup>st</sup> December 2010)

**1.4 ACTION AND INFORMATIONAL SUBMITTALS**

- .1 Submit in accordance with Section 01 33 00 - Submittal Procedures.
- .2 Submit to Departmental Representative, to the Joint Health and Safety Association of the Construction Sector (ASP Construction) and to the CNESST, the prevention program specific to construction site, as described in Article 1.9.2, at least 30 days before work started. Contractor must subsequently update its prevention program if the course of work differs from its initial forecast. To better reflect the reality of the site, Departmental Representative may, following the reception of the program and at any time during work, require that the program be modified or supplemented. Contractor must then make the necessary corrections before starting work.
- .3 Submit to Departmental Representative the site inspection grid duly completed weekly.
- .4 Submit to Departmental Representative, within 24 hours, a copy of any inspection report, correction notice, or recommendation issued by federal or provincial inspectors.
- .5 Submit to Departmental Representative, within 24 hours, an investigation report for any accident resulting in an injury and any incident that may occurred a risk potential.
- .6 Submit to Departmental Representative all MSDSs for the controlled products used on site, at least three days prior to their use on site.
- .7 Submit to Departmental Representative copies of training certificates that are required for the application of the prevention program, in particular:
  - .1 Courses of health and general security for construction site
  - .2 Certificate of security officer
  - .3 First aid in workplace and cardiopulmonary resuscitation
  - .4 Work in confined spaces

- .5 Lockout procedures
  - .6 Wearing and Adjusting Personal Protective Equipment
  - .7 Safe driving for forklifts
  - .8 Elevating work platforms
  - .9 Work near watercourses with drowning hazards
  - .10 Work involving third parties
  - .11 And any other training required by regulation or by prevention program
- .8 Medical Examinations: Where medical examinations are required by law, regulation, directive, specification or prevention program, the Contractor shall:
- .1 Before the mobilization, send to departmental representative the medical examination certificates of his supervisory staff and all his employees covered by the first paragraph of this article who will be present at the opening of construction site
  - .2 Transmit thereafter as and without delay the medical examination certificates of all new arrivals to construction site who are referred to in the first paragraph of this article
- .9 Emergency plan: the emergency plan, as described in article 1.9.3, must be sent to Departmental Representative at the same time as the prevention program
- .10 Notice of Work Opening: send the site opening notice to the Standards, Equity, Health and Safety Commission prior to the start of the work, with copy to Departmental Representative. A copy of this notice must also be posted prominently on the site. During demobilization, closure notice must be sent to CNESST, with a copy to the Departmental Representative.
- .11 Work Permit: Obtain all required municipal, provincial and federal permits as required by the contract. A copy of permit applications and permits must be sent to Departmental Representative without delay.
- .12 Engineering plans and certificates of conformity: send to the CNESST and Departmental Representative a copy signed and sealed by an Engineer of all the plans and certificates of conformity required under the Safety Code for the Construction Work (S- 2.1, r.6), of another law, of another regulation or of another clause of the specifications or the contract. A copy of these documents must be available at all times at the construction site.
- .13 Certificate of conformity issued by the CNESST: the attestation of conformity is a document issued by CNESST confirming that Contractor is in good standing with the CNESST, that is to say that he has paid all the amounts due to a given contract. This document must be provided to Departmental Representative at the end of work

## **1.5 SAFETY ASSESSMENT**

- .1 Perform site specific safety hazard assessment related to project.
- .2 Plan and organize work to promote the elimination of hazards at the source or collective protection and thus minimize the use of personal protective equipment. When personal fall protection is required, workers should use a safety harness in accordance with CAN / CSA-Z-259.10-M90. The seat belt must not be used as a fall protection.

- .3 Equipment, tool or means of protection that can not be installed or used without compromising the health and safety of workers or the public is deemed to be inadequate for the work to be performed
- .4 All mechanical equipment must be inspected before delivery to construction site. Before using mechanical equipment, send to Departmental Representative a certificate of conformity signed by a competent mechanic. Departmental Representative may, at any time, if he suspects a defect or a risk of accident, order the immediate stop of the equipment and require a second inspection by a specialist of his choice.

## **1.6 MEETINGS**

- .1 A representative of the Contractor must attend all meetings that discuss health and safety on the construction site
- .2 Establish a site committee and hold meetings as required by the Safety Code for Construction Work, every 2 weeks

## **1.7 REGULATORY REQUIREMENTS**

- .1 Comply with all laws, regulations and standards that are applicable to the execution of the work.
- .2 Observe prescribed standards and regulations to ensure normal work on sites contaminated with hazardous or toxic materials.
- .3 Notwithstanding the date of publication of the standards indicated in the Safety Code for Construction Work, the version in force at the time it applies must always be used.

## **1.8 PROJECT/SITE CONDITIONS**

- .1 On this construction site, take into account the following particularities:
  - .1 Safely ensure the continuity of operations of various marine services during the work.
  - .2 The protection of the works as the work progresses for the safety of the workers and the stability of the works until the final acceptance of the works remains the sole responsibility of Contractor.

## **1.9 GENERAL REQUIREMENTS**

- .1 Accept and assume all the duties and obligations normally assigned to the supervisor under the Occupational Health and Safety Act (RSQ, c S-2.1) and the Safety Code for the construction industry ( S-2.1, r.6).
- .2 Develop a site-specific prevention program based on risk identification and implement this program from the beginning of the project to the final stage of demobilization. The prevention program must take into account the information that appears in section 1.8. It must be sent to all concerned, in accordance with the provisions of Article 1.4. The prevention program must include at least:
  - .1 The company's health and safety policy;
  - .2 The description of the work, the total cost of the work, the schedule and the expected staffing curve;
  - .3 The Organizational Chart of Health and Safety Responsibilities

- .4 The physical and material organization of the site;
  - .5 First aid and first aid standards;
  - .6 Identification of risks in relation to the site;
  - .7 The identification of risks in relation to the tasks performed, including the preventive measures and the methods of implementation;
  - .8 Training required;
  - .9 Procedure in case of accident / injury;
  - .10 The written commitment of all stakeholders to respect this prevention program;
  - .11 A site inspection grid based on preventive measures.
- .3 Contractor must develop an effective emergency plan, in relation to the characteristics and constraints of the site and its environment. The emergency plan must be sent to all concerned, in accordance with the provisions of article 1.4. The emergency plan must include:
- .1 The evacuation procedure;
  - .2 Identification of resources (police, firefighters, ambulances, etc.);
  - .3 Identification of the persons responsible on the work site;
  - .4 Identification of first responders;
  - .5 Training required for those responsible for its application;
  - .6 And any other information that may be necessary, given the characteristics of the site.

#### **1.10 RESPONSIBILITY**

- .1 No matter the size of the site or the number of workers present, appoint a competent person as supervisor and responsible for health and safety. Take all necessary measures to ensure the health and safety of persons and property on the job and in the immediate environment of the work site that may be affected by the progress of the work.
- .2 Take all necessary measures to ensure the application and compliance with the health and safety requirements contained in the contract documents, federal and provincial regulations, applicable standards and the specific prevention program on site and comply without delay with any order or correction notice issued by the Commission de la santé et de la sécurité du travail (CSST).
- .3 Take all necessary measures to keep the site clean and tidy throughout the work.

#### **1.11 COMPLIANCE REQUIREMENTS**

- .1 Make all necessary arrangements to ensure effective communication of health and safety information on site. Upon arrival at the site, all workers must be informed of the particularities of the prevention program, their obligations and their rights. Emphasize the right of workers to refuse to perform work if they believe that this work may compromise their health, safety, physical integrity or that of others on the job site. Keep on site and update a register with the information transmitted and the signature of all workers who have received this information.
- .2 Ensure workers are aware of environmental and safety measures.

- .3 The following information and documents must be posted in an easily accessible place for workers:
  - .1 Notice of opening of the work site;
  - .2 Identification of the project manager;
  - .3 Corporate OHS Policy;
  - .4 Site-specific prevention program;
  - .5 Emergency plan;
  - .6 Material Safety Data Sheets for all controlled products used on site;
  - .7 Minutes of the site committee meetings;
  - .8 Names of representatives of the site committee;
  - .9 Names of first responders;
  - .10 Intervention and correction reports issued by CNESST.

#### **1.12 UNFORSEEN HAZARDS**

- .1 When a source of hazard not specified in the specifications and not identifiable during the preliminary inspection of the site appears by the fact or during the execution of the work, Contractor must stop work immediately, implement temporary protection measures for workers and the public and notify the Departmental Representative verbally and in writing. Contractor must then make the necessary modifications to the prevention program so that the work can resume safely.

#### **1.13 HEALTH AND SAFETY CO-ORDINATOR**

- .1 Inspect work sites and complete site inspection chart at least once a week.
- .2 Take without delay all necessary measures to correct the exemptions from the laws and regulations and dangerous situations that are identified by a government inspector, by the Departmental Representative, by the health and safety-construction coordinator, or during periodic inspections.
- .3 Submit to Departmental Representative written confirmation of all measures taken to correct the exemptions and hazardous situations.
- .4 Work Stoppage: Give the safety officer or, where there is no safety officer, the person authorized to take care of health and safety all the authority necessary to order the work to be stopped and resumed when it deems it necessary or desirable for reasons of health and safety. Ensure that the health and safety of the public and site personnel and the protection of the environment always take precedence over issues related to cost and schedule.
- .5 Without limiting the scope of sections 1.9 and 1.10, Departmental Representative may, at any time, order the work to be stopped if, according to his perception, there is a danger or a risk to the health or safety of the site personnel or the public or the environment.

#### **1.14 SEALING GUNS AND OTHER CARTRIDGE DEVICES**

- .1 The use of nail guns or other cartridge devices must be authorized by Departmental Representative.

- .2 Every person who uses a nail gun must have a training certificate and meet all the requirements of section 7 of the Safety Code for the Construction Industry (S-2.1, r.6).
- .3 All other cartridge devices to be used in accordance with manufacturer's instructions and applicable standards and regulations.

## **1.15 WORK PLATFORMS**

- .1 Foundations:
  - .1 Scaffolding must be installed on solid foundations so that it can not slip or tilt.
- .2 Assembly, bracing and mooring:
  - .1 All scaffolding shall be assembled, braced and moored in accordance with the manufacturer's instructions and the provisions of the Safety Code for the Construction Industry.
  - .2 For any situation where it is necessary to remove certain elements of the scaffolding (ex. braces), submit an assembly procedure signed and sealed by an engineer certifying that the scaffolding thus assembled will allow the work to be done, in a safe manner, taking into account the charges that will be applied.
  - .3 For any scaffolding structure whose span between two supports is greater than 3 m, provide an assembly plan signed and sealed by an engineer.
- .3 Floors:
  - .1 The scaffolding floors shall be designed and installed in accordance with the provisions of the Safety Code for the construction industry.
  - .2 If planks are used, they must be approved and stamped in accordance with the provisions of section 3.9.8 of the Safety Code for the Construction Industry (effective January 1, 2002).
  - .3 The floors must cover the entire surface protected by the railings.
  - .4 Notwithstanding the foregoing, scaffolds of four or more sections (or 6 m) in height shall have a solid floor covering the entire surface of the ledgers every 3 m or fraction of 3 m and the elements of such floors shall be at no time be moved to create intermediate levels.
- .4 Railings:
  - .1 Guardrail must be installed at all work stages.
  - .2 Cross braces shall not be considered as guardrails.
  - .3 For scaffolds of four sections (or 6 m) and more in height where solid floors are required, guardrails must be installed at each of these levels at the beginning of the work and remain in place until the end of the work.
- .5 Means of access:
  - .1 Ensure access to scaffolding does not compromise worker safety.
  - .2 When the scaffolding floors are made of planks, ladders must be installed so that the planks that protrude do not hinder the ascent or descent.
  - .3 Notwithstanding the provisions of the Safety Code for Construction Industry, install stairs on all scaffolds with six or more rows and six or more sections (or 9 m) in height.

- .6 Protection of the public and occupants:
  - .1 Delimit and barricade work area to limit access to authorized workers only.
  - .2 Install walkways, nets or similar devices to protect the public or occupants from falling objects.
- .7 Use of the public highway:
  - .1 Where it is necessary to encroach on the public highway, obtain at its own expense all authorizations and permits required by the competent authority.
  - .2 Install at its expense all signage, barricades and other devices required to ensure the safety of the public and its own facilities.

**Part 2 Products**

**2.1 NOT USED**

- .1 Not used.

**Part 3 Execution**

**3.1 NOT USED**

- .1 Not used.

**END OF SECTION**