

**Part 1 General**

**1.1 SECTION INCLUDES**

- .1 Contractor shall manage his operations so that safety and security of the public and of site workers always take precedence over cost and scheduling considerations.

**1.2 REFERENCES**

- .1 Canada Labour Code - Part II, Canadian Occupational Safety and Health Regulations.
- .2 Canadian Standards Association (CSA)
- .3 Workplace Hazardous Materials Information System (WHMIS)
  - .1 Hazardous sheet (FS)
- .4 Construction Safety Code, S-2.1, (last edition).
- .5 "Loi sur la santé et la sécurité du travail", L.R.Q. Chapitre S-2.1 (last edition)

**1.3 SUBMITTALS**

- .1 Make submittals in accordance with Section 01 33 00 - Submittal Procedures.
- .2 Submit to Departmental Representative, the CSST and the Association sectorielle paritaire en santé et en sécurité de la construction (ASP Construction) the site-specific safety program, as outlined in 1.8 at least 10 days prior to start of work. The Contractor must review his program during the course of the project if any change occurs in work methods or site conditions. The Departmental Representative may, after receiving the program or at any time during the project, ask the Contractor to update or modify the program in order to better reflect the reality of the construction site and activities. The Contractor must make the required changes before work begins.
- .3 Submit to Departmental Representative the site inspection sheet, duly completed, at the intervals indicated in 1.13
- .4 Submit the 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 involving injury and any incident exposing a potential hazard.
- .6 Submit to Departmental Representative all safety data sheets for hazardous material to be used at the site at least three (3) days before they are to be used.
- .7 Submit to Departmental Representative copies of all training certificates required for application or the safety program, in particular :
  - .1 General construction site safety and health courses;
  - .2 Safety officer attestations;
  - .3 First aid in the workplace and cardio-pulmonary resuscitation;
  - .4 Work likely to release asbestos dust;
  - .5 Work in confined spaces;
  - .6 Lockout procedures;
  - .7 Wearing and fitting of individual protective gear;
  - .8 Truck lift safe driving;

- .9 Working elevating platforms;
- .10 Any other requirement of Regulations or the safety program.
- .8 Medical examinations : wherever legislations, regulations, directives, specification or a safety program require medical examinations, Contractor must :
  - .1 Prior to start-up, submit to Departmental Representative certificates or medical examination for all concerned supervisory staff and employees who will be on duty when the site opens.
  - .2 Thereafter, submit without delay certificates of medical examination for any newly hired concerned personnel as and when they start work at the site.
- .9 Emergency plan : The emergency plan, as defined in 1.8, shall be submitted to Departmental Representative at the same time as the site-specific safety program.
- .10 Notice of site opening : Notice of site opening shall be submitted to the Commission de la santé et de la sécurité du travail before beginning. A copy of such notice shall be submitted to Departmental Representative at the same time and another posted in full view at the site. During demobilization, a notice of site closing shall be submitted to the CSST, with copy to Departmental Representative.
- .11 Plans and certificates of compliance : Submit to the CSST and to the Departmental Representative a copy signed and sealed by Engineer of all plans and certificates of compliance required pursuant to the Construction Safety Code (S-2.1, r. 6), or by any other legislation or regulation or by any other clause in the specifications or in this contract. Copies of these documents must be on hand at the site at all times.
- .12 Certificate of compliance delivered by the CSST : The certificate of compliance is a document delivered by the CSST confirming that the Contractor is in rule with the CSST, i.e. that he had pay out all the benefits concerning this contract. This document must be delivered to Departmental Representative at the end of the work.

#### **1.4 HAZARDS ASSESSMENT**

- .1 The Contractor must identify all hazards inherent in each task to be carried out at the site.
- .2 The Contractor must plan and organize work so as to eliminate hazards at source or promote mutual protection so that reliance on individual protective gear can be kept to a minimum. Where individual protection against falling is required, workers shall use safety harness that meets standard Can-CSA-Z-259.10-06. Safety belts shall not be used as protection against fallings.
- .3 Equipment, tools and protective gear which cannot be installed, fitted or used without compromising the health or safety of workers or the public shall be deemed inadequate for the work to be executed.
- .4 All mechanical equipment shall be inspected before delivery to the site. Before using any mechanical equipment, submit to Departmental Representative a certificate of compliance signed by a qualified mechanic. Whenever he suspects a defect or accident risk, Departmental Representative may at any time order the immediate shut-down of equipment and require a new inspections by a specialist of his own choosing.

#### **1.5 SAFETY MEETINGS**

- .1 Contractor decisional representative must attend meetings at which site safety and health issues are to be discussed.

- .2 The Contractor must set up a site safety committee, and convene meetings in accordance with the Construction Safety Code.

## 1.6 LEGAL AND REGULATORY REQUIREMENTS

- .1 Comply with all legislation, regulations and standards applicable to the site and its related activities.
- .2 Comply with specified standards and regulations to ensure safe operations at the site containing hazardous or toxic materials.
- .3 Regardless of the publication date shown in the construction safety code, always use the most recent version.

## 1.7 SITE-SPECIFIC CONDITIONS

- .1 At the site, take account of the following specific conditions :
  - .1 Works involving drowning risks.
- .2 The following requirements shall be met for work involving drowning risks :
  - .1 Comply with section 2.10.13 of the **Safety Code for the construction industry**.
  - .2 Wear a life jacket or buoyancy device that meets the standards set out in the Canadian General Standards Board Standard :
    - .1 CAN/CGSB-65.7-2007, *Life Jackets, Inherently Buoyant Type*, dated 2007,
    - .2 or, unusually be accepted by Transport Canada,
    - .3 or be protected by a safety net or a fall protection system.
- .3 Obtain and forward to the Departmental Representative a letter of compliance issued by Transport Canada for the approval of any vessel (transportation, rescue, inspection, etc.) before work begins. (Reference : Mr Robert Fecteau, Transport Canada, (418) 722-3040).
- .4 Ensure that a rescue vessel moored and in the water is available for each workstation. However, where the vessel is accessible by land, it may serve more than one workstation provided the distance between any workstation and the vessel is less than 100m.
- .5 Ensure that the vessel is equipped with a motor powerful enough to overcome the current.
- .6 Ensure that the vessel has the necessary features to accommodate persons likely to be part of a rescue operation.
- .7 Ensure that the rescue vessel is available for workers at all times in case of an emergency.
- .8 Ensure that a qualified person is available to use the emergency equipment. That person must have a pleasure craft operator card for the length of vessel being used.
- .9 Establish written emergency procedures containing the following information and ensure that all workers subject to those procedures have the training and information needed to apply them :
  - .1 A full description of the procedures, including the responsibilities of the people who have access to the work site.
  - .2 The location of the emergency equipment.

- .10 Where the work site is a pier, a basin, a jetty, a wharf or any similar structure, a ladder with at least two (2) rungs below the surface of the water shall be installed on the front of the structure every 60 meters. This measure shall apply even if the project is a construction project, in which case a temporary (or portable) ladder may be used and removed when the work is complete if the owner does not own the basic facilities. However, the owner must be notified in writing that the site does not comply with the Canada Labour Code, part II.

## **1.8 SAFETY AND HEALTH MANAGEMENT**

- .1 Acknowledge and assume all the tasks and obligations which customarily devolve upon a principal Contractor under the terms of the Occupational Health and Safety Act (R.S.Q., chapter S-2.1) and the Construction Safety Code (S-2.1, r.6).
- .2 Develop a site-specific safety program based on the hazards identified and apply it from the start project work until close-out is completed. The safety program must take account of all information appearing in 1.7 and must be submitted to all parties concerned, in accordance with the provisions set forth 1.3.  
At a minimum, the site-specific safety program must include :
  - .1 Company safety and health policy.
  - .2 A description of the work, total costs, schedule and projected workforce curve.
  - .3 Flow chart of safety and health responsibility.
  - .4 The physical and material layout of the site.
  - .5 First-aid and first-line treatment standards.
  - .6 Identification of site-specific hazards.
  - .7 Risk assessment for the tasks to be carried out, including preventive measures and the procedures for applying them.
  - .8 Training requirements.
  - .9 Procedures in case of accident/injury.
  - .10 Written commitment from all parties to comply with the prevention program.
  - .11 A site inspection schedule based on the preventive measures.
- .3 The Contractor must draw up a effective emergency plan based on the characteristics and constraints of the site and its surroundings. Submit the emergency plan to all parties concerned, pursuant to the provisions of 1.3.  
The emergency plan must includes :
  - .1 Evacuation procedure;
  - .2 Identification of resources (police, firefighters, ambulance services, etc.);
  - .3 Identification of persons in charge at the site;
  - .4 Identification of those with first-aid training;
  - .5 Training required for those responsible for applying the plan;
  - .6 Any other information needed, in light of the site characteristics.

## **1.9 RESPONSIBILITIES**

- .1 No matter the size of the construction site or how many workers are present at the workplace, designate a competent person to supervise and take responsibility for health and safety. Take all necessary measures to ensure the health and safety of persons and

property at or in the immediate vicinity of the site and likely to be affected by any of the work.

- .2 Take all necessary measures to ensure application of and compliance with the safety and health equipments of the contract documents, applicable federal and provincial regulations and standards as well as the site-specific safety program, complying without delay with any order or correction notice issued by the Commission de la santé et de la sécurité du travail.
- .3 Take all necessary measures to keep the site clean and in good order throughout the course of the work.

#### **1.10 POSTING OF DOCUMENTS**

- .1 Make all necessary arrangements to ensure effective communication of safety and health information at the site. As they arrive on site, all workers must be informed of their rights and obligations pertaining to the site specific safety program. The Contractor must insist on their right to refuse to perform work which they feel may threaten their own health, safety or physical integrity or that of other persons at the site. The Contractor must keep and update a written record of all information transmitted, with signatures of all affected workers.
- .2 The following information and documents must be posted in a location readily accessible to all workers :
  - .1 Notice of site opening;
  - .2 Identification of principal Contractor;
  - .3 Company OSH policy;
  - .4 Site-specific safety program;
  - .5 Emergency plan;
  - .6 Data sheets for all hazardous material used at the site;
  - .7 Minutes of site committee meetings;
  - .8 Names of site committee representatives;
  - .9 Names of those with first-aid training;
  - .10 Action reports and correction notices issued by the CSST.

#### **1.11 UNFORSEEN HAZARDS**

Whenever a source of danger not defined in the specifications or identified in the preliminary site inspection arises as a result of or in the course of the work, immediately suspend work, take appropriate temporary measures to protect the workers and the public and notify Departmental Representative, both verbally and in writing. Then the Contractor must modify or update the site specific safety program in order to resume work in safe conditions.

#### **1.12 HEALTH/SAFETY/HYGIENE/ENVIRONMENTAL SPECIALISTS**

- .1 As of enter time, hire a qualified person whose duties will be to ensure compliance with and application of all legislation, regulations and standards and all contractual requirements pertaining to safety.
- .2 Provide this person with the authority, resources and tools needed for performance of his/her duties.
- .3 The person selected shall:

- .1 have in-depth knowledge of legislation and regulations applicable to the site pertaining to safety.
- .2 develop and disseminate a safety orientation program for all site workers.
- .3 ensure that no worker is admitted to the site without having taken the safety orientation program and met all the training requirements of the applicable legislation and the site-specific safety program.
- .4 inspect the work and ensure compliance with all regulatory requirements and those of the contract documents or the site-specific safety program.
- .5 keep a daily log of actions taken and submitting a copy to Departmental Representative each week.

### **1.13 INSPECTION OF SITE AND CORRECTION OF HAZARDOUS SITUATIONS**

- .1 Inspect the work site and complete the site inspection sheet at least one time per week.
- .2 Immediately take all necessary measures to correct any lapses from legislative or regulatory requirements and any hazards identified by a government inspector, by the Departmental Representative, by the site safety and health coordinator or during routine inspections.
- .3 Submit to Departmental Representative written confirmation of all measures taken to correct lapses and hazardous situations.  
  
Give the safety officer or, where there is no safety officer, the person assigned to safety and health responsibilities, full authority to order interruption and resuming of work as and when deemed necessary or desirable in the interests of safety and health. This person must act so that the safety and health of the public and site workers and environmental protection take precedence over cost and scheduling considerations.
- .4 Without limiting the scope of sections 1.8 and 1.9, Departmental Representative may order cessation of work if, in his/her view, there is any hazard or threat to the safety of health of site personnel or the public or the environment.

### **1.14 BLASTING**

- .1 Blasting and other use of explosives are forbidden.

### **1.15 POWDER HAMMERS AND OTHER EXPLOSIVE-ACTUATED DEVICES**

- .1 Use powder actuated devices only after receipt of written permission from Departmental Representative.
- .2 Any person using a power hammer shall hold a training certificate and meet all requirements of Section 7 of the Construction Safety Code (S-2.1, r.6).
- .3 Any other explosive-actuated device shall be used in accordance with the manufacturer's directions and applicable standards and regulations.

## **Part 2 Products**

### **2.1 NOT USED**

- .1 Not used.

**Part 3            Execution**

**3.1                NOT USED**

.1            Not used.

**END OF SECTION**