



IN THE MATTER OF:

**THE *TECHNICAL STANDARDS AND SAFETY ACT 2000*, S.O. 2000, c. 16
(the "Act")**

AND

**ONTARIO REGULATION 223/01 (Codes and Standards Adopted by Reference) made
under the Act**

- and -

**ONTARIO REGULATION 221/01 (Amusement Devices) made
under the Act**

Elevating and Amusement Devices Safety Division	Ref. No.: 534/12	Rev. No.:
Amusement Devices Code Adoption Document - Amendment	Date: April 17, 2012	Date:

Subject: Amendment to Amusement Device Code Adoption Document

Applicable to: Elevating Device Contractors, Owners, Consultants and Elevating Device Mechanics

**PART I
GENERAL
DEFINITIONS**

"life-guard" means a person who is the holder of,

- (a) the National Lifeguard Services Lifeguard Certificate,
- (b) the Royal Life Saving Society Canada's Bronze Cross,
- (c) the Young Men's Christian Association's Basic Life Saver Award, or
- (d) a certificate that is equivalent to a certificate referred to in clause (a), (b), or (c);

**PART V
WATER SLIDES
23. DESIGN**

23.(1) Every water slide shall be so designed that,

- (a) the support structure and frame will safely sustain the weights and pressures reasonably expected to be placed on the water slide over the projected operating life of the water slide;
- (b) contact between a person using the water slide and any object where contact with the object is likely to cause injury is prevented;

(c) the strength of the materials used in the construction of the water slide and the accessories used in and around the water slide will not be affected by exposure to the environmental conditions reasonably expected in the locality where the water slide is erected;

(d) parts with external surfaces that may come into contact with a person using the water slide are assembled, arranged and finished so that they will not cut, pinch, puncture or cause an abrasion to any person;

(e) surfaces that may come into contact with a person using the water slide are inert, non-toxic, smooth and easy to clean;

(f) sufficient ventilation is provided to prevent the concentration of toxic fumes from disinfectants used with the water slide;

(g) the walking surfaces in and about the water slide including the entrance and exit to the water slide are slip-resistant and will not retain water;

(h) the frequency of dispatching a rider at the entry to the water slide shall be such that the splash down area is cleared before the person next following splashes down; and

(i) incorporates facilities for water treatment.

23.(2) Every room that is used to store chemicals or machinery used in the operation of a water slide shall be secured so as to prevent entry by any person who is not permitted to enter the room by the authorization holder.

23.(3) Every mat or sliding apparatus used on a water slide shall,

(a) be free of sharp corners and protrusions;

(b) have a sliding surface that allows smooth movement through the channel of the water slide; and

(c) be so constructed that the impact of a mat or sliding apparatus into a person will not cause injury to the person.

23.(4) Every water slide channel shall,

23.(4)

(a) be banked so as to keep each person using the water slide safely inside the channel;

(b) be so designed that,

(i) the speed of each person on each curve of the water slide is such that the person can maintain a safe body equilibrium,

(ii) the attachment of channel components form a continuous and smooth surface,

(iii) the curves and tunnels do not create hazard for a person who impacts with any surface within a tunnel,

23.(4)

(iv) the continuous and combined action of hydrostatic, dynamic and static loads and deterioration due to environmental conditions reasonably expected in the locality where the water slide is erected do not cause structural failure that could result in injury to a person using the water slide,

(v) the channel terminates, at a distance in relation to the splash down area, so that it does not create a hazard to any person using the water slide, and

(vi) no change of direction of the channel will cause a person using the slide to be injured.

23.(5)

The amount of water in every slide shall be such that will create a flow in the channel sufficient to keep each person using the water slide moving in the channel for the entire length of the channel at a speed that will not create a hazard to the person.

23.(6) Every water slide splash down area shall,

(a) be of sufficient length, width and depth so as to prevent each person splashing down from a channel into the splash down area from contacting the walls or bottom of the splash down area, adjacent channel exits or other persons exiting into the splash down area;

(b) have each inlet for the water circulation system,

(i) of a size that will not create an inlet suction pressure that is hazardous to persons using the water slide,

(ii) located so as to be inaccessible to persons using the water slide, or

(iii) protected with a device positioned in front of the inlet so as to prevent persons using the water slide from being drawn against the inlet; and

(c) such that the water level in the splash down area is kept above the minimum required for the safe operation of the water slide as specified by the manufacturer and designer of the water slide.

24. OPERATION**24.(1)**

The area at the top of every water slide shall be supervised by at least one attendant who shall have continuous and direct supervision of that area and who shall be responsible for,

(a) ensuring that persons using the water slide conduct themselves in an orderly manner, that there is no running or other unsafe behaviour in the upper part of the water slide channels and starting areas and that persons enter and leave the starting zone at safe intervals; and

(b) supervising all areas of the water slide, other than the splash down area, that are visible to the attendant from the attendant's station.

24.(2)

The splash down area of every water slide shall be supervised by at least one attendant who is a lifeguard who shall have continuous and direct supervision of that area and who shall be responsible for ensuring that persons using the water slide,

- (a) move into and out of the splash down area in a quick and orderly manner; and
- (b) conduct themselves in an orderly manner and that there is no running or other unsafe behaviour in the lower part of the water slide channels, splash down area or pool deck; and
- (c) clear the splash down area for the following person to splash down.

24.(3)

Every water slide shall be equipped with a battery or electronically operated voice communication system between an attendant who is supervising the splash down area and an attendant who is supervising at the top of the water slide.

24.(4)

The daily inspection required to be carried out under section 14 (1)(b) of the Amusement Devices Regulation shall be carried out on each water slide to ensure the safe operation of the water slide,

- (a) before the water is circulated to ensure that no safety hazard exists; and
- (b) with the water circulating to ensure that the pumping and filtering equipment are operating correctly and that, there is
 - (i) correct level of water in the splash down area, and
 - (ii) there is sufficient water flowing in the channels of the water slide.

24.(5) The splash down area divider shall be in place, where the splash down area forms an integral part of a swimming pool.

24.(6) Every water slide shall have a sign posted at the entrance to the water slide that conveys the following rules and instructions:

- (a) obey all orders given by the attendant and operator;
- (b) no person shall dive, run, stand, kneel, rotate or stop in the channel;
- (c) hands must be kept inside the channel;
- (d) users must leave the splash down area promptly;
- (e) no person shall bring glass, bottles or food into the water slide area;
- (f) no bunching or chaining by riders permitted;
- (g) such restrictions as may be placed on the use of the water slide by the manufacturer and designer of the water slide;
- (h) the depth of water in discharge splash down area.

24.(7) The written rules referred to in subsection (6) shall be in uppercase letters with a minimum height of not less than 25mm. such that the lettering is in a contrasting colour to the background of the sign.

24.(8) Attendants at the entry and splash down area of every water slide shall ensure that the splash down area is cleared for the next person to splash down.