

## Section 2.2. Objectives

### 2.2.1. Objectives

#### 2.2.1.1. Objectives

1) The objectives of this Code are as follows (see Note A-2.2.1.1.(1)):

##### OS Safety

An objective of this Code is to limit the probability that, as a result of the design or installation of the *plumbing system*, a person in or adjacent to the *building* or facility will be exposed to an unacceptable risk of injury.

##### OS1 Fire Safety

An objective of this Code is to limit the probability that, as a result of the design or installation of the *plumbing system*, a person in or adjacent to the *building* or facility will be exposed to an unacceptable risk of injury due to fire. The risks of injury due to fire addressed in this Code are those caused by –

OS1.1 – fire or explosion occurring

OS1.4 – fire safety systems failing to function as expected

##### OS2 Structural Safety

An objective of this Code is to limit the probability that, as a result of the design or installation of the *plumbing system*, a person in or adjacent to the *building* will be exposed to an unacceptable risk of injury due to structural failure. The risks of injury due to structural failure addressed in this Code are those caused by –

OS2.1 – loads bearing on the *building* elements that exceed their load-bearing capacity

##### OS3 Safety in Use

An objective of this Code is to limit the probability that, as a result of the design or installation of the *plumbing system*, a person in or adjacent to the *building* or facility will be exposed to an unacceptable risk of injury due to hazards. The risks of injury due to hazards addressed in this Code are those caused by –

OS3.1 – tripping, slipping, falling, contact, drowning or collision

OS3.2 – contact with hot surfaces or substances

OS3.4 – exposure to hazardous substances

##### OH Health

An objective of this Code is to limit the probability that, as a result of the design or installation of the *plumbing system*, a person will be exposed to an unacceptable risk of illness.

##### OH1 Indoor Conditions

An objective of this Code is to limit the probability that, as a result of the design or installation of the *plumbing system*, a person in the *building* or facility will be exposed to an unacceptable risk of illness due to indoor conditions. The risks of illness due to indoor conditions addressed in this Code are those caused by –

OH1.1 – inadequate indoor air quality

##### OH2 Sanitation

An objective of this Code is to limit the probability that, as a result of the design or installation of the *plumbing system*, a person in the *building* or facility will be exposed to an unacceptable risk of illness due to unsanitary conditions. The risks of illness due to unsanitary conditions addressed in this Code are those caused by –

OH2.1 – exposure to human or domestic waste

OH2.2 – consumption of contaminated water

OH2.3 – inadequate facilities for personal hygiene

OH2.4 – contact with contaminated surfaces

##### OH5 Hazardous Substances Containment

An objective of this Code is to limit the probability that, as a result of the design or installation of the *plumbing system*, the public will be exposed to an unacceptable risk of illness due to the release of hazardous substances from the *building* or facility.

**OP Protection of the Building or Facility from Water and Sewage Damage****OP5 Protection of the Building or Facility from Water and Sewage Damage**

An objective of this Code is to limit the probability that, as a result of the design or installation of the *plumbing system*, the *building* or facility will be exposed to an unacceptable risk of damage due to the leakage of service water or *sewage*.

**OE Environment**

An objective of this Code is to limit the probability that, as a result of the design, construction or renovation of the *building or of the plumbing system*, the environment will be affected in an unacceptable manner.

**OE1 Energy Efficiency and Water Use**

An objective of this Code is to limit the probability that, as a result of the design, construction or renovation of the *building*, the use of energy will be inefficient or the use of water will be excessive. The risks of inefficient energy use or excessive water use addressed by this Code are those caused by –

OE1.2 – excessive use of water by plumbing fixtures and *water distribution systems*