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ERRATA as of October 12, 2015

ACI 376M-11

Metric Code Requirements for Design and Construction of Concrete Structures for  
Containment of Refrigerated Liquefied Gases and Commentary

1st printing

Reported by ACI Committee 376

**4.1.1,** Page 18, revise as:

Testing of material used in concrete construction shall conform to applicable building codes and the instructions of the licensed design professional.

**4.7.1,** Page 19, revise as:

Deformed reinforcement at service temperatures down to  $-18^{\circ}\text{C}$ — Deformed reinforcing bars used when design temperature is equal to or greater than  $-18^{\circ}\text{C}$

**6.2.9,** Page 32, revise as:

Under normal conditions and based on uncracked section properties, the maximum concrete ~~extreme-fiber compression~~ stresses at service loads shall not exceed:

- a) Extreme fiber stress in compression due to prestress plus sustained load:  $0.45f'_c$
- b) Extreme fiber stress in compression due to prestress plus total load:  $0.6f'_c$
- c) Extreme fiber stress in tension in precompressed tensile zone:  ~~$0.6$~~   $0.5\sqrt{f'_c}$

**6.2.10,** Page 33, revise as:

Under abnormal OBE conditions, the maximum ~~extreme-fiber~~ concrete stresses ~~in compression~~ (based on uncracked section properties, and after allowance for all prestress losses) due to prestress plus total load shall not exceed the linear elastic region of the stress-strain curve defined in 6.2.11.

- a) Extreme fiber stress in compression due to prestress plus total load:  $0.85f'_c$
- b) Extreme fiber stress in tension in precompressed tensile zone:  ~~$0.75$~~   $0.62\sqrt{f'_c}$

**R6.6.5.10,** Page 40, revise as:

Descriptions of the fire exposure on liquid natural gas (LNG) tanks can be found in ~~7.8.7~~ 7.9.7 of NFPA 59A

**6.8.2,** Page 40, revise as:

When a coating functions as a vapor barrier, the following shall apply:

- a) The maximum water vapor permeability shall be  ~~$0.522$~~   $\text{gmL/m}^2$  per 24 hours using ASTM E96M under the least favorable mean monthly temperature/humidity conditions for the climate conditions at the location of the project.

e) The escape of vapor shall be considered acceptable when the permeability of coating to product vapor does not exceed ~~0.105~~  $\text{g/m}^2/24$  hours.

**8.3.1**, Page 54, revise as:

The foundation shall be constructed of concrete with a compressive strength of 28 MPa or greater.

**RA.3**, Page 113, revise as:

Figures RA.3a through RA.3c illustrate details of various base joint details (adapted from ~~BS 7777-2~~ BS 7777-3), and Fig. RA.3d illustrates prestressing details for internal tendon systems.

**B.4.1**, Page 128, revise as:

*General requirements*—Concrete and reinforcement materials shall be in accordance with Chapter ~~3~~ 4 of this code and ACI 318,

**B.4.4**, Page 129, revise as:

*Reinforcement/prestressing requirements*—The ductility and toughness requirements of the mild reinforcement and the prestressing tendons shall be in accordance with Chapter ~~3~~ 4 of this code.

**RB.10.5.1**, Page 136, revise as:

Descriptions of the fire exposure on LNG/RLG tanks can be found in ~~7.8.7.9.7~~ of NFPA 59A

Revised as of noon on 10/27/15.