

**INTERNATIONAL ASSOCIATION OF PLUMBING
AND MECHANICAL OFFICIALS**

INTERIM GUIDE CRITERIA

FOR

**CONCRETE OIL/WATER SEPARATORS AND
COALESCING PLATE SEPARATORS**

IGC 183 - 2003

1. PURPOSE

- 1.1** The purpose of this standard is to establish specifications for the construction of concrete oil/water separators and coalescing plate separators. It is intended to serve as a guide for producers, distributors, architects, code officials, contractors, installers and end users; to promote understanding regarding materials, manufacture, installation and performance, and to provide a means for identifying concrete oil/water separators and coalescing plate separators.
- 1.2** This standard is intended to be a general guideline and does not prevent the use of alternate materials, provided that any such alternate meets or exceeds the requirements of this standard.

2. SCOPE

- 2.1** Concrete oil/water separators and coalescing plate separators shall be designed to remove petroleum based oils from storm or process water. The separators shall be designed to separate oils and solids having different specific gravities than water. The separators shall retain the oil until accumulations can be removed. This standard covers referenced standards, definitions, general requirements, material requirements, testing requirements, installation requirements and markings and identification for concrete oil/water separators and coalescing plate separators.

3. REFERENCED STANDARDS

ACI 318	Building Code Requirements
ACI 350	Code Requirements of Environmental Engineering Concrete Structures and Commentary
API Publ. 421	Management of Water Discharges: Design and Operations of Oil-Water Separators
ASTM C 150	Portland Cement
ASTM C 595	Blended Hydraulic Cements
ASTM C 857	Minimum Structures Design Loading for Underground Precast Concrete Utility Structures
ASTM C 858	Underground Precast Concrete Utility Structures
ASTM C 891	Installation of Underground Precast Concrete Utility Structures