

The following is submitted by the Aquatic Education Institute in support of our application to the FBC for approval to offer the course:

“How do the code changes affect me” An online look at the 2004 Florida building code changes regarding plumbing, gas and swimming pools.

This course is designed to be offered online.

Detailed Course Outline:

Part 1

Definitions *New or modified definitions 2003 International Plumbing Code®:*

- **General regulations** (materials, pipe protection, structural safety, inspections.)
 - • ***2000 International Plumbing Code® significant changes:***
 - ***Added Table of products requiring third-party certification or testing***
 - ***Added requirements for condensate disposal – identical to Florida Building Code, Mechanical***
 - ***Code, Mechanical***
 - • ***2003 International Plumbing Code® significant changes:***
 - ***Added code conflict language***
 - ***Added alteration to trusses***
 - ***Added plenum piping requirement per Florida Building Code, Mechanical***
 - ***Added requirements for piping in flood hazard areas***
 - ***Added requirements for test gauges***
 - • ***Changes as a result of previous DEC statement***
 - ***Sleeving is not required for installation of CPVC into concrete or similar material.***
 - ***Freeze protection is required where design temperature is less than 32° F.***

- **Water supply and distribution**
 - • **2000 International Plumbing Code® significant changes:**
 - *Water hammer arrestors – installation as required by manufacturer (already in 2001 Florida Building Code, Plumbing)*
 - • **2003 International Plumbing Code® significant changes:**
 - *Simplified separation requirements of water and sewer pipes Eliminated water compatibility section Requires individual shutoffs, other than residential tubs and showers (already in 2001 Florida Building Code, Plumbing) Revised language regarding where hot water is required Revised pipe fittings (there are materials and standards changes)*
 - • **Florida specific glitch MOD:**
 - *New or repaired potable water systems shall be purged of deleterious matter and, where required by the Administrative Authority, disinfected prior to utilization.*

Recall section reinforcing important information learned.

Part 2

- Sanitary and storm drainage
 - • **2000 International Plumbing Code® significant changes:**
 - *Revised drainage fixture unit table – already included in 2001 Florida Building Code, Plumbing*
 - *Removed requirement for minimum 2-inch drains underground*
 - • **2003 International Plumbing Code® significant changes**
 - *Prohibits exposed drainage piping above working areas in food service establishments*
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- Venting regulations
 - **2000 International Plumbing Code® significant changes:**

- *None*
- • **2003 International Plumbing Code® significant changes:**
 - *Includes language for vertical wet vents*
 - *No food waste grinders, clinical sinks or standpipes permitted on combination drain and vent systems.*

Recall section reinforcing important information learned.

Part 3

- **Private Swimming Pools**
 - *Conformance standards have changed*
 - *Change in pool piping requirement (water velocity)*
 - *Primer and glue on exposed aboveground piping not required to be colored*
 - *Pumps installed per manufacturer requirements*
 - *Spring check valves allowed*
 - *Removed requirement that all pool piping had to be inspected and approved before being covered or concealed*
 - *Changed skimmer calculation basis*
 - *Changed calculation for number of inlet fittings*
 - *Requires all mechanical equipment to be installed per manufacturer's recommendations*
- **Fuel gas combustion and ventilation**
 - *Rules on conversion to different gas type.*
 - *Combustion, Ventilation and Dilution Air.*
 - *Changes in air filtration rates.*
 - *Outdoor gas installation requirements.*

Recall section reinforcing important information learned.

Final quiz

The course is broken down into three parts of about 40 slides each. The student must advance each slide in order of presentation. The student may not skip forward. The student is timed with each part taking approximately 17 minutes each. The student must complete each part in order of presentation before taking the final quiz and

must pass the final quiz with a score of 70 or better to receive credit for the course. At the successful completion of the course the student may print out a certificate proving the completion of the course and the earning of one CILB/FBC CE credit hour on the advanced code changes.

FBC Organization Number TRP4846