

**2006 I-Codes Application Matrix**  
**Stationary Hydrogen Fuel Cell Installation**  
**with**  
**Outdoor Hydrogen Storage**

Prepared by:

Robert J Davidson  
Davidson Code Concepts, LLC  
45 Colonial Drive  
Tinton Falls, NJ 07753  
732-643-1799 Phone/Fax

[RJD@DavidsonCodeConcepts.com](mailto:RJD@DavidsonCodeConcepts.com)  
[www.davidsoncodeconcepts.com](http://www.davidsoncodeconcepts.com)

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**Code language applied as primary requirements. Referenced standards applied after primary code language.**

**Plan Review Application**

**Go to IMC & IFGC (page 2)**

414.4 Hazardous Material systems

414.1.1 Materials Points to 307, 415, IFC & IMC

**Chapter 4 Special Detailed Requirements Based on Use & Occupancy**

414.2 Control Areas Points to IFC (See IFC 2203.12)

414.6 Outdoor Storage, Dispensing or use Points to IFC

If fuel cell inside (not fuel supply) - Not an H Group  
307.1 Exception 5 applies  
Closed piping, operation of machinery/equipment

**Chapter 3 Use & Occupancy Classification**

307.1.1 Hazardous Materials Points to 414.0 and IFC for Hazardous materials in any quantity

**Chapter 22 Motor Fuel-Dispensing**  
If at a hydrogen motor fueling facility.  
Section 2209.0  
(Systems with 3000 scf or less of Hydrogen gas exemption at 2209.3.1 as to location on property)

**Chapter 32 Cryogenic Fluids**  
If present in this form.  
Includes containers, foundations & supports  
Relief devices, marking, security, wiring,  
Piping, ventilation & underground tanks.

**Chapter 35 Flammable Gases**  
Includes distances to exposures,  
Ignition control & wiring.  
Plus a reference to NFPA 55

**Chapter 30 Compressed Gases**  
Includes relief devices, marking,  
Security & vaults.

**Chapter 27 Hazardous Materials**  
Includes systems, equipment, processes,  
Piping, containers, sources of  
Ignition and security,  
and Outdoor Control Areas.

**2006 IBC**

**2006 IFC**

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