NFPA® 2 Hydrogen Technologies Code 2016 Edition

Chapter 1 Administration

1.1 Scope
1.2 Purpose
1.3 Application
1.4 Retroactivity
1.5 Equivalency
1.6 Units and Formulas
1.7 Enforcement

Chapter 2 Referenced Publications

2.1 General
2.2 NFPA Publications
2.3 Other Publications
2.4 References for Extracts in Mandatory Sections

Chapter 3 Definitions

3.1 General
3.2 NFPA Official Definitions
3.3 General Definitions
3.4 Definitions for Performance-Based Designs

Chapter 4 General Fire Safety Requirements

4.1 Application
4.2 Goals and Objectives
4.3 Assumptions
4.4 Compliance Options
4.5 Permits
4.6 Emergency Plan
4.7 Facility Closure
4.8 Out-of-Service Stationary Bulk Gas Systems
4.9 Management Plan and Hazardous Materials Documentation
4.10 Release of GH2 or LH2
4.11 Personnel Training
4.12 Ignition Source Controls
4.13 Signs
4.14 Protection From Vehicular Damage
4.15 Building Construction Materials

Chapter 5 Performance-Based Option

5.1 General
5.2 Performance Criteria
5.3 Retained Prescriptive Requirements
5.4 Design Scenarios
5.5 Evaluation of Proposed Designs
5.6 Safety Factors
5.7 Documentation Requirements

Chapter 6 General Hydrogen Requirements
Chapter 7 Gaseous Hydrogen

7.1 General
7.2 Non-Bulk GH2
7.3 Bulk GH2 Systems

Chapter 8 Liquefied Hydrogen

8.1 General
8.2 Nonbulk LH2
8.3 Bulk LH2 Systems

Chapter 9 Explosion Protection (Reserved)

9.1 Reserved

Chapter 10 GH2 Vehicle Fueling Facilities

10.1 Scope
10.2 General
10.3 Dispensing
10.4 Storage

Chapter 11 LH2 Fueling Facilities

11.1 Scope
11.2 General
11.3 Dispensing
11.4 Storage

Chapter 12 Hydrogen Fuel Cell Power Systems
12.1 Scope
12.2 General
12.3 Specific Requirements
12.4 Storage

Chapter 13 Hydrogen Generation Systems

13.1 Scope
13.2 General
13.3 Use
13.4 Storage

Chapter 14 Combustion Applications

14.1 Scope
14.2 General (Reserved)
14.3 Use
14.4 Storage

Chapter 15 Special Atmosphere Applications

15.1 Scope
15.2 General (Reserved)
15.3 Use
15.4 Storage

Chapter 16 Laboratory Operations

16.1 Scope
16.2 General
16.3 Use
16.4 Storage

Chapter 17 Parking Garages

17.1 Scope
17.2 Parking Garages

Chapter 18 Repair Garage

18.1 Scope
18.2 Applicability
18.3 General
18.4 Exhaust System
18.5 Heat-Producing Appliances
18.6 Welding and Open-Flame Operations
18.7 Defueling Systems

Annex A Explanatory Material
Annex B Administration
Annex C Sample Ordinance Adopting NFPA 2
Annex D Physical Properties of Hydrogen
Annex E Determination of Separation Distances for Bulk Gaseous Hydrogen Systems
Annex F Example of Class C Furnace Operational and Maintenance Checklist
Annex G Information on Explosion Hazards and Protection in Laboratories