

THE SAUDI FIRE PROTECTION CODE

SBC 801 - CC

Code & Commentaries



2018

TABLE OF CONTENTS

CHAPTER 1 — SCOPE AND ADMINISTRATION 2

SECTION 101 SCOPE AND GENERAL REQUIREMENTS5

SECTION 102 APPLICABILITY6

SECTION 103 DEPARTMENT OF FIRE PREVENTION 10

SECTION 104 GENERAL AUTHORITY AND RESPONSIBILITIES 11

SECTION 105 PERMITS 16

SECTION 106 INSPECTIONS 31

SECTION 107 MAINTENANCE 33

SECTION 108 BOARD OF APPEALS 34

SECTION 109 VIOLATIONS 35

SECTION 110 UNSAFE BUILDINGS 37

SECTION 111 STOP WORK ORDER 38

SECTION 112 SERVICE UTILITIES 38

SECTION 113 FEES 38

CHAPTER 2 — DEFINITIONS 47

SECTION 201 GENERAL 47

SECTION 202 GENERAL DEFINITIONS 48

CHAPTER 3 — GENERAL REQUIREMENTS201

SECTION 301 GENERAL 201

SECTION 302 DEFINITIONS 201

SECTION 303 ASPHALT KETTLES 202

SECTION 304 COMBUSTIBLE WASTE MATERIAL 203

SECTION 305 IGNITION SOURCES 206

SECTION 306 MOTION PICTURE PROJECTION ROOMS AND FILM 207

SECTION 307 OPEN BURNING, RECREATIONAL FIRES AND PORTABLE OUTDOOR FIREPLACES 207

SECTION 308 OPEN FLAMES 209

SECTION 309 POWERED INDUSTRIAL TRUCKS AND EQUIPMENT 213

SECTION 310 SMOKING 215

SECTION 311 VACANT PREMISES 216

SECTION 312 VEHICLE IMPACT PROTECTION 219

SECTION 313 FUELED EQUIPMENT 219

SECTION 314 INDOOR DISPLAYS 220

SECTION 315 GENERAL STORAGE 221

SECTION 316 HAZARDS TO FIRE FIGHTERS 224

SECTION 317 ROOFTOP GARDENS AND LANDSCAPED ROOFS 227

SECTION 318 LAUNDRY CARTS 229

SECTION 319 MOBILE FOOD PREPARATION VEHICLES 229

CHAPTER 4 — EMERGENCY PLANNING AND PREPAREDNESS239

SECTION 401 GENERAL 242

SECTION 402 DEFINITIONS 243

SECTION 403 EMERGENCY PREPAREDNESS REQUIREMENTS 243

SECTION 404 FIRE SAFETY, EVACUATION AND LOCKDOWN PLANS 260

SECTION 405 EMERGENCY EVACUATION DRILLS 264

SECTION 406 EMPLOYEE TRAINING AND RESPONSE PROCEDURES 266

SECTION 407 HAZARD COMMUNICATION 267

CHAPTER 5 — FIRE SERVICE FEATURES273

SECTION 501 GENERAL 273

SECTION 502 DEFINITIONS 274

SECTION 503 FIRE APPARATUS ACCESS ROADS 274

SECTION 504 ACCESS TO BUILDING OPENINGS AND ROOFS 279

TABLE OF CONTENTS

SECTION 505 PREMISES IDENTIFICATION	280
SECTION 506 KEY BOXES	281
SECTION 507 FIRE PROTECTION WATER SUPPLIES	282
SECTION 508 FIRE COMMAND CENTER	285
SECTION 509 FIRE PROTECTION AND UTILITY EQUIPMENT IDENTIFICATION AND ACCESS	288
SECTION 510 EMERGENCY RESPONDER RADIO COVERAGE	289
CHAPTER 6 — BUILDING SERVICES AND SYSTEMS	301
SECTION 601 GENERAL	301
SECTION 602 DEFINITIONS	301
SECTION 603 FUEL-FIRED APPLIANCES	302
SECTION 604 EMERGENCY AND STANDBY POWER SYSTEMS	309
SECTION 605 ELECTRICAL EQUIPMENT, WIRING AND HAZARDS	316
SECTION 606 MECHANICAL REFRIGERATION	324
SECTION 607 ELEVATOR OPERATION, MAINTENANCE AND FIRE SERVICE KEYS	331
SECTION 608 STATIONARY STORAGE BATTERY SYSTEMS	334
SECTION 609 COMMERCIAL KITCHEN HOODS	338
SECTION 610 COMMERCIAL KITCHEN COOKING OIL STORAGE	341
SECTION 611 HYPERBARIC FACILITIES	343
CHAPTER 7 — FIRE AND SMOKE PROTECTION FEATURES	352
SECTION 701 GENERAL	352
SECTION 702 DEFINITIONS	353
SECTION 703 FIRE-RESISTANCE-RATED CONSTRUCTION	353
SECTION 704 FLOOR OPENINGS AND SHAFTS	357
CHAPTER 8 — INTERIOR FINISH, DECORATIVE MATERIALS AND FURNISHINGS	360
SECTION 801 GENERAL	360
SECTION 802 DEFINITIONS	360
SECTION 803 INTERIOR WALL AND CEILING FINISH AND TRIM IN EXISTING BUILDINGS	361
SECTION 804 INTERIOR WALL AND CEILING TRIM AND INTERIOR FLOOR FINISH IN NEW AND EXISTING BUILDINGS	368
SECTION 805 UPHOLSTERED FURNITURE AND MATTRESSES IN NEW AND EXISTING BUILDINGS	371
SECTION 806 DECORATIVE VEGETATION IN NEW AND EXISTING BUILDINGS	378
SECTION 807 DECORATIVE MATERIALS OTHER THAN DECORATIVE VEGETATION IN NEW AND EXISTING BUILDINGS	380
SECTION 808 FURNISHINGS OTHER THAN UPHOLSTERED FURNITURE AND MATTRESSES OR DECORATIVE MATERIALS IN NEW AND EXISTING BUILDINGS	386
CHAPTER 9 — FIRE PROTECTION SYSTEMS	399
SECTION 901 GENERAL	399
SECTION 902 DEFINITIONS	407
SECTION 903 AUTOMATIC SPRINKLER SYSTEMS	408
SECTION 904 ALTERNATIVE AUTOMATIC FIRE-EXTINGUISHING SYSTEMS	434
SECTION 905 STANDPIPE SYSTEMS	450
SECTION 906 PORTABLE FIRE EXTINGUISHERS	458
SECTION 907 FIRE ALARM AND DETECTION SYSTEMS	463
SECTION 908 EMERGENCY ALARM SYSTEMS	503
SECTION 909 SMOKE CONTROL SYSTEMS	504
SECTION 910 SMOKE AND HEAT REMOVAL	533
SECTION 911 EXPLOSION CONTROL	539
SECTION 912 FIRE DEPARTMENT CONNECTIONS	541
SECTION 913 FIRE PUMPS	544
SECTION 914 FIRE PROTECTION BASED ON SPECIAL DETAILED REQUIREMENTS OF USE AND OCCUPANCY	547
SECTION 915 CARBON MONOXIDE DETECTION	557
CHAPTER 10 — MEANS OF EGRESS	591
SECTION 1001 ADMINISTRATION	592
SECTION 1002 DEFINITIONS	593

TABLE OF CONTENTS

SECTION 1003 GENERAL MEANS OF EGRESS	594
SECTION 1004 OCCUPANT LOAD	598
SECTION 1005 MEANS OF EGRESS SIZING	603
SECTION 1006 NUMBER OF EXITS AND EXIT ACCESS DOORWAYS	608
SECTION 1007 EXIT AND EXIT ACCESS DOORWAY CONFIGURATION	615
SECTION 1008 MEANS OF EGRESS ILLUMINATION	618
SECTION 1009 ACCESSIBLE MEANS OF EGRESS	621
SECTION 1010 DOORS, GATES AND TURNSTILES	635
SECTION 1011 STAIRWAYS	661
SECTION 1012 RAMPS	675
SECTION 1013 EXIT SIGNS	680
SECTION 1014 HANDRAILS	683
SECTION 1015 GUARDS	689
SECTION 1016 EXIT ACCESS	693
SECTION 1017 EXIT ACCESS TRAVEL DISTANCE	696
SECTION 1018 AISLES	698
SECTION 1019 EXIT ACCESS STAIRWAYS AND RAMPS	700
SECTION 1020 CORRIDORS	702
SECTION 1021 EGRESS BALCONIES	710
SECTION 1022 EXITS	711
SECTION 1023 INTERIOR EXIT STAIRWAYS AND RAMPS	712
SECTION 1024 EXIT PASSAGEWAYS	720
SECTION 1025 LUMINOUS EGRESS PATH MARKINGS	723
SECTION 1026 HORIZONTAL EXITS	727
SECTION 1027 EXTERIOR EXIT STAIRWAYS AND RAMPS	730
SECTION 1028 EXIT DISCHARGE	733
SECTION 1029 ASSEMBLY	736
SECTION 1030 EMERGENCY ESCAPE AND RESCUE	756
SECTION 1031 MAINTENANCE OF THE MEANS OF EGRESS	758
CHAPTER 11 —CONSTRUCTION REQUIREMENTS FOR EXISTING BUILDINGS.....	877
SECTION 1101 GENERAL	877
SECTION 1102 DEFINITIONS	878
SECTION 1103 FIRE SAFETY REQUIREMENTS FOR EXISTING BUILDINGS	878
SECTION 1104 MEANS OF EGRESS FOR EXISTING BUILDINGS	894
SECTION 1105 CONSTRUCTION REQUIREMENTS FOR EXISTING GROUP I-2.....	903
SECTION 1106 REQUIREMENTS FOR OUTDOOR OPERATIONS	911
CHAPTER 20 —AVIATION FACILITIES	923
SECTION 2001 GENERAL	923
SECTION 2002 DEFINITIONS	923
SECTION 2003 GENERAL PRECAUTIONS	924
SECTION 2004 AIRCRAFT MAINTENANCE	925
SECTION 2005 PORTABLE FIRE EXTINGUISHERS	926
SECTION 2006 AIRCRAFT FUELING	928
SECTION 2007 HELISTOPS AND HELIPORTS	940
CHAPTER 21 —DRY CLEANING	946
SECTION 2101 General.....	946
SECTION 2102 DEFINITIONS	946
SECTION 2103 CLASSIFICATIONS	946
SECTION 2104 GENERAL REQUIREMENTS	948
SECTION 2105 OPERATING REQUIREMENTS	949
SECTION 2106 SPOTTING AND PRETREATING	952
SECTION 2107 DRY CLEANING SYSTEMS	954
SECTION 2108 FIRE PROTECTION	955

TABLE OF CONTENTS

CHAPTER 22 — COMBUSTIBLE DUST-PRODUCING OPERATIONS.....	960
SECTION 2201 GENERAL	961
SECTION 2202 DEFINITION	961
SECTION 2203 PRECAUTIONS	961
SECTION 2204 EXPLOSION PROTECTION	962
CHAPTER 23 — MOTOR FUEL-DISPENSING FACILITIES AND REPAIR GARAGES	966
SECTION 2301 GENERAL	966
SECTION 2302 DEFINITIONS	967
SECTION 2303 LOCATION OF DISPENSING DEVICES	967
SECTION 2304 DISPENSING OPERATIONS	968
SECTION 2305 OPERATIONAL REQUIREMENTS	971
SECTION 2306 FLAMMABLE AND COMBUSTIBLE LIQUID MOTOR FUEL-DISPENSING FACILITIES	974
SECTION 2307 LIQUEFIED PETROLEUM GAS MOTOR FUEL-DISPENSING FACILITIES	987
SECTION 2308 COMPRESSED NATURAL GAS MOTOR FUEL-DISPENSING FACILITIES	990
SECTION 2309 HYDROGEN MOTOR FUEL-DISPENSING AND GENERATION FACILITIES	993
SECTION 2310 MARINE MOTOR FUEL-DISPENSING FACILITIES	1001
SECTION 2311 REPAIR GARAGES	1004
CHAPTER 24 — FLAMMABLE FINISHES	1022
SECTION 2401 GENERAL	1022
SECTION 2402 DEFINITIONS	1023
SECTION 2403 PROTECTION OF OPERATIONS	1023
SECTION 2404 SPRAY FINISHING	1029
SECTION 2405 DIPPING OPERATIONS	1043
SECTION 2406 POWDER COATING	1047
SECTION 2407 ELECTROSTATIC APPARATUS	1050
SECTION 2408 ORGANIC PEROXIDES AND DUAL-COMPONENT COATINGS	1052
SECTION 2409 INDOOR MANUFACTURING OF REINFORCED PLASTICS	1054
SECTION 2410 FLOOR SURFACING AND FINISHING OPERATIONS	1055
CHAPTER 25 — FRUIT AND CROP RIPENING	1067
SECTION 2501 GENERAL	1067
SECTION 2502 DEFINITIONS	1068
SECTION 2503 ETHYLENE GAS	1068
SECTION 2504 SOURCES OF IGNITION	1068
SECTION 2505 COMBUSTIBLE WASTE	1069
SECTION 2506 ETHYLENE GENERATORS	1069
SECTION 2507 WARNING SIGNS	1070
CHAPTER 26 — FUMIGATION AND INSECTICIDAL FOGGING	1074
SECTION 2601 GENERAL	1075
SECTION 2602 DEFINITIONS	1075
SECTION 2603 FIRE SAFETY REQUIREMENTS	1075
CHAPTER 27 — SEMICONDUCTOR FABRICATION FACILITIES	1084
SECTION 2701 GENERAL	1084
SECTION 2702 DEFINITIONS	1085
SECTION 2703 GENERAL SAFETY PROVISIONS	1085
SECTION 2704 STORAGE	1098
SECTION 2705 USE AND HANDLING	1100
CHAPTER 28 — LUMBER YARDS AND AGRO-INDUSTRIAL, SOLID BIOMASS AND WOODWORKING FACILITIES	1114
SECTION 2801 GENERAL	1114
SECTION 2802 DEFINITIONS	1115
SECTION 2803 GENERAL REQUIREMENTS	1115

TABLE OF CONTENTS

SECTION 2804 FIRE PROTECTION	1117
SECTION 2805 PLYWOOD, VENEER AND COMPOSITE BOARD MILLS	1117
SECTION 2806 LOG STORAGE AREAS	1118
SECTION 2807 STORAGE OF WOOD CHIPS AND HOGGED MATERIAL ASSOCIATED WITH TIMBER AND LUMBER PRODUCTION FACILITIES	1118
SECTION 2808 STORAGE AND PROCESSING OF WOOD CHIPS, HOGGED MATERIAL, FINES, COMPOST, SOLID BIOMASS FEEDSTOCK AND RAW PRODUCT ASSOCIATED WITH YARD WASTE, AGRO-INDUSTRIAL AND RECYCLING FACILITIES ..	1119
SECTION 2809 EXTERIOR STORAGE OF FINISHED LUMBER AND SOLID BIOFUEL PRODUCTS	1120
CHAPTER 29 — MANUFACTURE OF ORGANIC COATINGS	1125
SECTION 2901 GENERAL	1126
SECTION 2902 DEFINITION	1126
SECTION 2903 GENERAL PRECAUTIONS	1126
SECTION 2904 ELECTRICAL EQUIPMENT AND PROTECTION	1128
SECTION 2905 PROCESS STRUCTURES	1129
SECTION 2906 PROCESS MILLS AND KETTLES	1130
SECTION 2907 PROCESS PIPING	1131
SECTION 2908 RAW MATERIALS IN PROCESS AREAS	1132
SECTION 2909 RAW MATERIALS AND FINISHED PRODUCTS	1132
CHAPTER 30 — INDUSTRIAL OVENS	1138
SECTION 3001 GENERAL	1138
SECTION 3002 DEFINITIONS	1138
SECTION 3003 LOCATION	1139
SECTION 3004 FUEL PIPING	1139
SECTION 3005 INTERLOCKS	1139
SECTION 3006 FIRE PROTECTION	1140
SECTION 3007 OPERATION AND MAINTENANCE	1140
CHAPTER 31 — TENTS AND OTHER MEMBRANE STRUCTURES	1144
SECTION 3101 GENERAL	1144
SECTION 3102 DEFINITIONS	1145
SECTION 3103 TEMPORARY TENTS AND MEMBRANE STRUCTURES	1145
SECTION 3104 TEMPORARY AND PERMANENT TENTS AND MEMBRANE STRUCTURES	1152
SECTION 3105 TEMPORARY STAGE CANOPIES	1159
CHAPTER 32 — HIGH-PILED COMBUSTIBLE STORAGE	1167
SECTION 3201 GENERAL	1167
SECTION 3202 DEFINITIONS	1169
SECTION 3203 COMMODITY CLASSIFICATION	1169
SECTION 3204 DESIGNATION OF HIGH-PILED STORAGE AREAS	1173
SECTION 3205 HOUSEKEEPING AND MAINTENANCE	1174
SECTION 3206 GENERAL FIRE PROTECTION AND LIFE SAFETY FEATURES	1175
SECTION 3207 SOLID-PILED AND SHELF STORAGE	1183
SECTION 3208 RACK STORAGE	1184
SECTION 3209 AUTOMATED STORAGE	1187
SECTION 3210 SPECIALTY STORAGE	1188
CHAPTER 33 — FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION	1210
SECTION 3301 GENERAL	1210
SECTION 3302 DEFINITIONS	1210
SECTION 3303 TEMPORARY HEATING EQUIPMENT	1211
SECTION 3304 PRECAUTIONS AGAINST FIRE	1211
SECTION 3305 FLAMMABLE AND COMBUSTIBLE LIQUIDS	1213
SECTION 3306 FLAMMABLE GASES	1214
SECTION 3307 EXPLOSIVE MATERIALS	1215
SECTION 3308 OWNER’S RESPONSIBILITY FOR FIRE PROTECTION	1215

TABLE OF CONTENTS

SECTION 3309 FIRE REPORTING	1216
SECTION 3310 ACCESS FOR FIRE FIGHTING	1216
SECTION 3311 MEANS OF EGRESS	1217
SECTION 3312 WATER SUPPLY FOR FIRE PROTECTION	1217
SECTION 3313 STANDPIPES	1217
SECTION 3314 AUTOMATIC SPRINKLER SYSTEM	1218
SECTION 3315 PORTABLE FIRE EXTINGUISHERS	1218
SECTION 3316 MOTORIZED CONSTRUCTION EQUIPMENT	1219
SECTION 3317 SAFEGUARDING ROOFING OPERATIONS	1219
CHAPTER 34 — TIRE REBUILDING AND TIRE STORAGE	1223
SECTION 3401 GENERAL	1223
SECTION 3402 DEFINITIONS	1223
SECTION 3403 TIRE REBUILDING	1224
SECTION 3404 PRECAUTIONS AGAINST FIRE	1224
SECTION 3405 OUTDOOR STORAGE	1225
SECTION 3406 FIRE DEPARTMENT ACCESS	1226
SECTION 3407 FENCING	1226
SECTION 3408 FIRE PROTECTION	1226
SECTION 3409 INDOOR STORAGE ARRANGEMENT	1227
CHAPTER 35 — WELDING AND OTHER HOT WORK	1230
SECTION 3501 GENERAL	1230
SECTION 3502 DEFINITIONS	1231
SECTION 3503 GENERAL REQUIREMENTS	1231
SECTION 3504 FIRE SAFETY REQUIREMENTS	1232
SECTION 3505 GAS WELDING AND CUTTING	1236
SECTION 3506 ELECTRIC ARC HOT WORK	1239
SECTION 3507 CALCIUM CARBIDE SYSTEMS	1240
SECTION 3508 ACETYLENE GENERATORS	1240
SECTION 3509 PIPING MANIFOLDS AND HOSE SYSTEMS FOR FUEL GASES AND OXYGEN	1241
SECTION 3510 HOT WORK ON FLAMMABLE AND COMBUSTIBLE LIQUID STORAGE TANKS	1242
CHAPTER 36 — MARINAS	1246
SECTION 3601 SCOPE	1246
SECTION 3602 DEFINITIONS	1246
SECTION 3603 GENERAL PRECAUTIONS	1246
SECTION 3604 FIRE PROTECTION EQUIPMENT	1248
SECTION 3605 MARINE MOTOR FUEL-DISPENSING FACILITIES	1249
CHAPTER 37 — COMBUSTIBLE FIBERS	1252
SECTION 3701 GENERAL	1252
SECTION 3702 DEFINITIONS	1252
SECTION 3703 GENERAL PRECAUTIONS	1252
SECTION 3704 LOOSE FIBER STORAGE	1253
SECTION 3705 BALED STORAGE	1255
CHAPTER 50 — HAZARDOUS MATERIALS—GENERAL PROVISIONS	1261
SECTION 5001 GENERAL	1261
SECTION 5002 DEFINITIONS	1271
SECTION 5003 GENERAL REQUIREMENTS	1271
SECTION 5004 STORAGE	1296
SECTION 5005 USE, DISPENSING AND HANDLING	1304
CHAPTER 51 — AEROSOLS	1328
SECTION 5101 GENERAL	1328
SECTION 5102 DEFINITIONS	1329

TABLE OF CONTENTS

SECTION 5103 CLASSIFICATION OF AEROSOL PRODUCTS	1329
SECTION 5104 INSIDE STORAGE OF AEROSOL PRODUCTS	1330
SECTION 5105 OUTSIDE STORAGE	1338
SECTION 5106 RETAIL DISPLAY	1338
SECTION 5107 MANUFACTURING FACILITIES	1343
CHAPTER 52 —RESERVED.....	1349
CHAPTER 53 —COMPRESSED GASES	1350
SECTION 5301 GENERAL	1351
SECTION 5302 DEFINITIONS	1352
SECTION 5303 GENERAL REQUIREMENTS	1352
SECTION 5304 STORAGE OF COMPRESSED GASES	1362
SECTION 5305 USE AND HANDLING OF COMPRESSED GASES	1362
SECTION 5306 MEDICAL GASES	1364
SECTION 5307 CARBON DIOXIDE (CO ₂) SYSTEMS USED IN BEVERAGE DISPENSING APPLICATIONS	1365
SECTION 5308 COMPRESSED GASES NOT OTHERWISE REGULATED	1367
CHAPTER 54 —CORROSIVE MATERIALS	1373
SECTION 5401 GENERAL	1373
SECTION 5402 DEFINITION	1374
SECTION 5403 GENERAL REQUIREMENTS	1374
SECTION 5404 STORAGE	1374
SECTION 5405 USE	1375
CHAPTER 55 —CRYOGENIC FLUIDS	1377
SECTION 5501 GENERAL	1377
SECTION 5502 DEFINITIONS	1378
SECTION 5503 GENERAL REQUIREMENTS	1378
SECTION 5504 STORAGE	1384
SECTION 5505 USE AND HANDLING	1387
CHAPTER 56 —EXPLOSIVES AND FIREWORKS	1394
SECTION 5601 GENERAL	1394
SECTION 5602 DEFINITIONS	1401
SECTION 5603 RECORD KEEPING AND REPORTING	1401
SECTION 5604 EXPLOSIVE MATERIALS STORAGE AND HANDLING	1402
SECTION 5605 MANUFACTURE, ASSEMBLY AND TESTING OF EXPLOSIVES, EXPLOSIVE MATERIALS AND FIREWORKS	1410
SECTION 5606 SMALL ARMS AMMUNITION AND SMALL ARMS AMMUNITION COMPONENTS	1416
SECTION 5607 BLASTING	1419
SECTION 5608 FIREWORKS DISPLAY	1422
SECTION 5609 TEMPORARY STORAGE OF CONSUMER FIREWORKS	1425
CHAPTER 57 —FLAMMABLE AND COMBUSTIBLE LIQUIDS	1435
SECTION 5701 GENERAL	1436
SECTION 5702 DEFINITIONS	1438
SECTION 5703 GENERAL REQUIREMENTS	1438
SECTION 5704 STORAGE	1444
SECTION 5705 DISPENSING, USE, MIXING AND HANDLING	1485
SECTION 5706 SPECIAL OPERATIONS	1499
CHAPTER 58 —FLAMMABLE GASES AND FLAMMABLE CRYOGENIC FLUIDS.....	1540
SECTION 5801 GENERAL	1540
SECTION 5802 DEFINITIONS	1541
SECTION 5803 GENERAL REQUIREMENTS	1541
SECTION 5804 STORAGE	1544
SECTION 5805 USE	1544

TABLE OF CONTENTS

SECTION 5806 FLAMMABLE CRYOGENIC FLUIDS	1545
SECTION 5807 METAL HYDRIDE STORAGE SYSTEMS	1549
SECTION 5808 HYDROGEN FUEL GAS ROOMS	1552
CHAPTER 59 —FLAMMABLE SOLIDS	1558
SECTION 5901 GENERAL	1558
SECTION 5902 DEFINITIONS	1559
SECTION 5903 GENERAL REQUIREMENTS	1559
SECTION 5904 STORAGE	1559
SECTION 5905 USE	1560
SECTION 5906 MAGNESIUM	1561
CHAPTER 60 —HIGHLY TOXIC AND TOXIC MATERIALS	1569
SECTION 6001 GENERAL	1569
SECTION 6002 DEFINITIONS	1570
SECTION 6003 HIGHLY TOXIC AND TOXIC SOLIDS AND LIQUIDS	1570
SECTION 6004 HIGHLY TOXIC AND TOXIC COMPRESSED GASES	1573
SECTION 6005 OZONE GAS GENERATORS	1585
CHAPTER 61 —LIQUEFIED PETROLEUM GASES	1595
SECTION 6101 GENERAL	1595
SECTION 6102 DEFINITIONS	1597
SECTION 6103 INSTALLATION OF EQUIPMENT	1597
SECTION 6104 LOCATION OF LP-GAS CONTAINERS	1599
SECTION 6105 PROHIBITED USE OF LP-GAS	1601
SECTION 6106 DISPENSING AND OVERFILLING	1602
SECTION 6107 SAFETY PRECAUTIONS AND DEVICES	1603
SECTION 6108 FIRE PROTECTION	1603
SECTION 6109 STORAGE OF PORTABLE LP-GAS CONTAINERS AWAITING USE OR RESALE	1603
SECTION 6110 LP-GAS CONTAINERS NOT IN SERVICE	1608
SECTION 6111 PARKING AND GARAGING OF LP-GAS TANK VEHICLES	1609
CHAPTER 62 —ORGANIC PEROXIDES	1618
SECTION 6201 GENERAL	1618
SECTION 6202 DEFINITION	1619
SECTION 6203 GENERAL REQUIREMENTS	1619
SECTION 6204 STORAGE	1620
SECTION 6205 USE	1624
CHAPTER 63 —OXIDIZERS, OXIDIZING GASES AND OXIDIZING CRYOGENIC FLUIDS	1629
SECTION 6301 GENERAL	1630
SECTION 6302 DEFINITIONS	1630
SECTION 6303 GENERAL REQUIREMENTS	1631
SECTION 6304 STORAGE	1633
SECTION 6305 USE	1636
SECTION 6306 LIQUID OXYGEN IN HOME HEALTH CARE	1637
CHAPTER 64 —PYROPHORIC MATERIALS	1645
SECTION 6401 GENERAL	1646
SECTION 6402 DEFINITION	1647
SECTION 6403 GENERAL REQUIREMENTS	1647
SECTION 6404 STORAGE	1648
SECTION 6405 USE	1650
CHAPTER 65 —PYROXYLIN (CELLULOSE NITRATE) PLASTICS	1654
SECTION 6501 GENERAL	1654
SECTION 6502 DEFINITIONS	1655

TABLE OF CONTENTS

SECTION 6503 GENERAL REQUIREMENTS	1655
SECTION 6504 STORAGE AND HANDLING	1655
CHAPTER 66 —UNSTABLE (REACTIVE) MATERIALS	1660
SECTION 6601 GENERAL	1660
SECTION 6602 DEFINITION	1661
SECTION 6603 GENERAL REQUIREMENTS	1661
SECTION 6604 STORAGE	1663
SECTION 6605 USE	1665
CHAPTER 67 —WATER-REACTIVE SOLIDS AND LIQUIDS.....	1668
SECTION 6701 GENERAL	1668
SECTION 6702 DEFINITION	1669
SECTION 6703 GENERAL REQUIREMENTS	1669
SECTION 6704 STORAGE	1669
SECTION 6705 USE	1672
CHAPTER 80 —REFERENCED STANDARDS	1679
APPENDIX A — BOARD OF APPEALS	1698
A101 GENERAL	1698
APPENDIX B — FIRE-FLOW REQUIREMENTS FOR BUILDINGS	1702
B101 GENERAL.....	1703
B102 DEFINITIONS	1703
B103 MODIFICATIONS	1703
B104 FIRE-FLOW CALCULATION AREA	1704
B105 FIRE-FLOW REQUIREMENTS FOR BUILDINGS	1705
B106 REFERENCED STANDARDS.....	1707
APPENDIX C — FIRE HYDRANT LOCATIONS AND DISTRIBUTION	1712
C101 GENERAL.....	1712
C102 NUMBER OF FIRE HYDRANTS.....	1712
C103 FIRE HYDRANT SPACING	1714
C104 CONSIDERATION OF EXISTING FIRE HYDRANTS	1714
C105 REFERENCED STANDARDS	1714
APPENDIX D — FIRE APPARATUS ACCESS ROADS.....	1721
D101 GENERAL	1721
D102 REQUIRED ACCESS.....	1721
D103 MINIMUM SPECIFICATIONS.....	1721
D104 COMMERCIAL AND INDUSTRIAL DEVELOPMENTS	1723
D105 AERIAL FIRE APPARATUS ACCESS ROADS.....	1724
D106 MULTIPLE-FAMILY RESIDENTIAL DEVELOPMENTS	1725
D107 ONEOR TWO-FAMILY RESIDENTIAL DEVELOPMENTS	1725
D108 REFERENCED STANDARDS	1726
APPENDIX E —HAZARD CATEGORIES	1731
E101 GENERAL	1731
E102 HAZARD CATEGORIES.....	1731
E103 EVALUATION OF HAZARDS	1739
E104 REFERENCED STANDARDS	1744
APPENDIX F — HAZARD RANKING.....	1746
F101 GENERAL	1746
F102 REFERENCED STANDARDS	1747
APPENDIX G — CRYOGENIC FLUIDS WEIGHT AND VOLUME EQUIVALENTS	1750

TABLE OF CONTENTS

G101 GENERAL	1750
APPENDIX H —HAZARDOUS MATERIALS MANAGEMENT PLAN (HMMP) AND HAZARDOUS MATERIALS INVENTORY STATEMENT (HMIS) INSTRUCTIONS	1753
H101 HMMP	1753
H102 HMIS	1754
H103 EMERGENCY PLAN	1755
H104 REFERENCED STANDARDS	1755
APPENDIX I —FIRE PROTECTION SYSTEMS— NONCOMPLIANT CONDITIONS	1763
I101 NONCOMPLIANT CONDITIONS	1763
I102 REFERENCED STANDARDS	1765
APPENDIX J — BUILDING INFORMATION SIGNS.....	1767
J101 GENERAL.....	1767
J102 REFERENCED STANDARDS.....	1770
APPENDIX K —CONSTRUCTION REQUIREMENTS FOR EXISTING AMBULATORY CARE FACILITIES	1773
K101 GENERAL.....	1773
K102 FIRE SAFETY REQUIREMENTS FOR EXISTING AMBULATORY CARE FACILITIES	1773
K103 INCIDENTAL USES IN EXISTING AMBULATORY CARE FACILITIES	1774
K104 MEANS OF EGRESS REQUIREMENTS FOR EXISTING AMBULATORY CARE FACILITIES	1776
K105 REFERENCED STANDARDS	1777
APPENDIX L —REQUIREMENTS FOR FIRE FIGHTER AIR REPLENISHMENT SYSTEMS	1780
L101 GENERAL	1780
L102 DEFINITIONS.....	1781
L103 PERMITS	1781
L104 DESIGN AND INSTALLATION	1781
L105 ACCEPTANCE TESTS	1784
L106 INSPECTION, TESTING AND MAINTENANCE	1785
L107 REFERENCED STANDARDS	1785
APPENDIX M —HIGH-RISE BUILDINGS—RETROACTIVE AUTOMATIC SPRINKLER REQUIREMENT.....	1788
M101 SCOPE	1788
M102 WHERE REQUIRED	1789
M103 COMPLIANCE.....	1789
M104 REFERENCED STANDARD	1789