

2015 National Fire Code of Canada (NFC)

2018 Revisions and Errata Package

Selected replacement pages have been produced for the NFC.

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Revisions and Errata

Issued by the Canadian Commission on Building and Fire Codes

The Change Summary table that follows describes revisions, errata and editorial modifications that apply to the National Fire Code of Canada 2015:

- Revisions are changes deemed urgent that were posted for public review from November 6, 2017 to January 2, 2018 and have been approved by the Canadian Commission on Building and Fire Codes.
- Errata are corrections to existing text.
- Editorial updates are provided for information purposes only.
- Editorial changes are modifications that improve clarity.

Code pages containing revisions and/or errata are identified with the words “Amended Page” in the footer; pages with editorial modifications are not flagged.

Code users should contact their local authority having jurisdiction to find out if these revisions and errata apply in their province or territory.

Change Summary — National Fire Code of Canada 2015

Division	Code Reference	Change	Date (Y-M-D)	Description of Change
Preface	n/a	editorial update	2018-09-28	In first paragraph, reference to National Energy Code of Canada for Buildings 2015 was updated to read "2017"
A	A-1.4.1.2.(1)	editorial update	2018-09-28	Entry for "Dangerous Goods:" text in third paragraph was updated to read "The NFC 2015 nomenclature uses a descriptive approach to classifying dangerous goods, which is similar to the one used by ..."
B	1.3.1.1.(1)	revision	2018-09-28	Date stated in Sentence was revised to read "30 June 2017"
	Table 1.3.1.2.	revision	2018-09-28	Document references were updated as applicable to reflect more recent editions published as of June 30, 2017
	2.9.3.2.(1)	erratum	2018-09-28	Term "care" was romanized
	Table 2.14.1.1.	erratum	2018-09-28	Table was corrected as follows:
				Sentence 2.2.2.4.(5): "[F82-OS1.1]" was replaced with "[F82-OS1.2]"
	3.2.7.1.(3)	erratum	2018-09-28	Sentence was corrected to read "... referred to in Sentence (2) ..."
	Table 3.4.1.1.	errata	2018-09-28	Table was corrected as follows:
Sentence 3.1.2.4.(1): entry was corrected to read "[F01,F43-OS1.1] [F43-OS3.4] [F10,F30-OS3.7] [F01,F43-OP1.1] [F43-OH5]"				
Sentence 3.1.2.4.(2): entry was corrected to read "(b) [F01,F43-OS1.1] (a) [F43-OS3.4] (b) [F01,F43-OP1.1] (a) [F43-OH5]"				
4.9.4.3.	editorial change	2018-09-28	Sentence (4) was deleted as requirement is a duplication of requirement in Clause (3)(d)	

Change Summary — National Fire Code of Canada 2015 (Continued)

Division	Code Reference	Change	Date (Y-M-D)	Description of Change
B (continued)	Table 4.12.1.1.	errata (unless otherwise indicated) editorial change	2018-09-28	Table was corrected as follows:
				Sentence 4.2.2.2.(1): entry was corrected to read "[F01,F43-OS1.1] [F43-OS3.4] [F10,F30-OS3.7] [F01,F43-OP1.1] [F43-OH5]"
				Sentence 4.2.2.2.(2): entry was corrected to read "(b) [F01,F43-OS1.1] (a) [F43-OS3.4] (b) [F01,F43-OP1.1] (a) [F43-OH5]"
				Sentence 4.2.12.3.(1): entry was corrected to read "[F01,F43-OS1.1] [F01,F43-OP1.1]"
				Sentence 4.3.1.2.(2): entry was corrected to read "(b) [F04,F81-OS1.1]"
				Sentence 4.3.7.4.(2): entry was deleted
				Sentence 4.5.2.1.(3): entry was corrected to read "[F20,F80-OS1.1] [F20,F80-OP1.1] [F20,F80-OH5]"
				Sentence 4.6.2.3.(4): application statements were added to the attributions
	Sentence 4.6.4.2.(2): "[F12-OS1.1,OS1.1]" was corrected to read "[F12-OS1.1,OS1.2]"			
	5.2.3.2.(1)	editorial change	2018-09-28	Clause (b) was updated to read "except as provided in Sentence (2), protected against ..."
	5.2.3.2.(2)	editorial change	2018-09-28	Sentence was updated to read "... as required in Clause (1)(b) ..."
	5.5.5.3.(6)	erratum	2018-09-28	In Clause (b), term "sprinklered" was italicized
	Table 5.7.1.1.	errata	2018-09-28	Table was corrected as follows:
Sentence 5.3.1.3.(1): entry was deleted				
Sentence 5.3.1.3.(2): "[F01-OS1.1]" was assigned to Clause (a) and application statement was deleted; "(c) [F01-OP1.1]" and "(a) [F01-OP1.1]" were added				
Sentence 5.3.1.4.(3): duplicate "[F01-OS1.1]" was replaced with "[F01-OP1.1]"				
Sentence 5.5.5.5.(1): entry was assigned to Clause (b)				
Sentence 5.6.3.2.(1): entry was corrected to read "[F01-OS1.1] [F01-OP1.1] (a),(d) [F01,F03-OS1.1,OS1.2] (a),(d) [F01,F03-OP1.1,OP1.2]"				
6.5.1.1.(2)	erratum	2018-09-28	Term "care" was romanized	

Dangerous Goods

In previous editions of the NFC, the terminology used to identify dangerous goods came from “Transportation of Dangerous Goods Regulations (TDGR).” The TDGR apply solely to the adequate identification of hazards related to dangerous goods in the contexts of transportation and emergency response.

Dangerous goods in the workplace are identified in accordance with the “Workplace Hazardous Materials Information System (WHMIS),” established in accordance with the Hazardous Products Act. The WHMIS identification system is specifically designed with the users of the product in mind.

This edition of the NFC identifies dangerous goods as products regulated by the TDGR or classified under the WHMIS. In order to harmonize these two nomenclatures for dangerous goods, class descriptors were developed taking into consideration both the TDGR and WHMIS classification systems. The NFC 2015 nomenclature uses a descriptive approach to classifying dangerous goods, which is similar to the one used by the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) developed by the United Nations (UN). Canada has actively participated in the development of the GHS and has committed to its implementation through the TDGR and WHMIS regulations.

The NFC 2015 nomenclature takes a common sense approach that corresponds more closely to how people refer to dangerous goods on a daily basis, blending TDGR and WHMIS terminology without using non-descript numbers and letters as previously found in the NFC, TDGR and WHMIS.

**Table A-1.4.1.2.(1)
UN, TDGR, WHMIS and NFC Class Descriptors for Dangerous Goods**

UN	TDGR	WHMIS	NFC 2015
1	Explosives	Explosives	Explosives
2	Gases	Gases under pressure	Compressed gases
2.1	Flammable gases	Flammable gases; Flammable aerosols	Flammable gases; Flammable aerosols
2.2	Non-flammable, non-toxic gases	Gases under pressure	Non-flammable, non-toxic gases
2.2 (5.1)	—	Oxidizing gases	Oxidizing gases
2.3	Toxic gases	—	Toxic gases
3	Flammable liquids	Flammable liquids	Flammable liquids
4.1	Flammable solids	Flammable solids	Flammable solids
4.2	Substances liable to spontaneous combustion	Pyrophoric liquids; Pyrophoric solids	Pyrophoric materials
4.3	Water-reactive substances	Substances and mixtures which, in contact with water, emit flammable gases	Water-reactive substances
5.1	Oxidizing substances	Oxidizing liquids; Oxidizing solids	Oxidizers
5.2	Organic peroxides	Organic peroxides	Organic peroxides
6.1	Toxic substances	(1)	Toxic substances
6.2	Infectious substances	(1)	Infectious materials
7	Radioactive materials	Not covered by GHS	Radioactive materials
8	Corrosives	(2)	Corrosives
9	Miscellaneous products, substances, or organisms	(2)	Miscellaneous dangerous goods
—	—	Previously Class F	Dangerously reactive materials

Notes to Table A-1.4.1.2.(1):

(1) The WHMIS has various descriptors for this Class of products based on their toxicity.

(2) The WHMIS has various descriptors for this Class of products based on the nature of the danger presented by the product.

Exit

Exits include doors or doorways leading directly into an exit stair or directly to the outside. In the case of an exit leading to a separate building, exits also include vestibules, walkways, bridges or balconies.

Fire-Resistance Rating

Since it is not practicable to measure the fire resistance of constructions in situ, they must be evaluated under some agreed test conditions. A specified fire-resistance rating is not necessarily the actual time that the assembly would endure in situ in a building fire, but is that which the particular construction must meet under the specified methods of test.

Fire Separation

A fire separation may or may not have a fire-resistance rating.

Grade

Localized depressions that need not be considered in the determination of the elevation of grade include such features as vehicle and pedestrian entrances and other minor depressions that do not affect accessibility for firefighting or evacuation.

Individual Storage Area

The width of subsidiary aisles providing access to stored products within an individual storage area may be determined by material handling methods, or other criteria such as minimum width for access to exits or fire protection equipment.

Service Room

Typical examples of service rooms include boiler rooms, furnace rooms, incinerator rooms, garbage handling rooms and rooms to accommodate air-conditioning or heating appliances, pumps, compressors and electrical equipment. Rooms such as elevator machine rooms and common laundry rooms are not considered to be service rooms.

Suite

Tenancy in the context of the term "suite" applies to both rental and ownership tenure. In a condominium arrangement, for example, dwelling units are considered separate suites even though they are individually owned. In order to be of complementary use, a series of rooms that constitute a suite must be in reasonably close proximity to each other and have access to each other either directly by means of a common doorway or indirectly by a corridor, vestibule or other similar arrangement.

The term "suite" does not apply to rooms such as service rooms, common laundry rooms and common recreational rooms that are not leased or under a separate tenure in the context of the Code. Similarly, the term "suite" is not normally applied in the context of buildings such as schools and hospitals, since the entire building is under a single tenure. However, a room that is individually rented is considered a suite. A warehousing unit in a mini-warehouse is a suite. A rented room in a nursing home could be considered as a suite if the room was under a separate tenure. A hospital bedroom on the other hand is not considered to be under a separate tenure, since the patient has little control of that space, even though he pays the hospital a per diem rate for the privilege of using the hospital facilities, which include the sleeping areas.

For certain requirements in the NBC, the expression "room or suite" is used (e.g., travel distance). This means that the requirement applies within the rooms of suites as well as to the suite itself and to rooms that may be located outside the suite. In other places the expression "suite, and rooms not located within a suite" is used (e.g., for the installation of smoke and heat detectors). This means that the requirement applies to individual suites as defined, but not to each room within the suite. The rooms "not within a suite" would include common laundry rooms, common recreational rooms and service rooms, which are not considered as tenant-occupied space.

Treatment

The ability to evacuate unassisted implies that a person is capable of recognizing and responding to an emergency given their physical, cognitive and behavioural abilities, and able to move to a safe location without the assistance of another person. For example, such persons must be able to arise and walk, or

Part 1 General

Section 1.1. General

1.1.1. Application

1.1.1.1. Application

1) This Part applies to all *buildings* and facilities covered in this Code. (See Article 1.1.1.1. of Division A.)

1.1.2. Objectives and Functional Statements

1.1.2.1. Attribution to Acceptable Solutions

1) For the purposes of compliance with this Code as required in Clause 1.2.1.1.(1)(b) of Division A, the objectives and functional statements attributed to the acceptable solutions in Division B shall be the objectives and functional statements identified in Sections 2.14., 3.4., 4.12., 5.7., 6.9. and 7.4. (See Note A-1.1.2.1.(1).)

Section 1.2. Terms and Abbreviations

1.2.1. Definitions of Words and Phrases

1.2.1.1. Non-defined Terms

1) Words and phrases used in Division B that are not included in the list of definitions in Article 1.4.1.2. of Division A shall have the meanings that are commonly assigned to them in the context in which they are used, taking into account the specialized use of terms by the various trades and professions to which the terminology applies.

2) Where objectives and functional statements are referred to in Division B, they shall be the objectives and functional statements described in Parts 2 and 3 of Division A.

3) Where acceptable solutions are referred to in Division B, they shall be the provisions stated in Parts 2 to 7.

1.2.1.2. Defined Terms

1) The words and terms in italics in Division B shall have the meanings assigned to them in Article 1.4.1.2. of Division A.

1.2.2. Symbols and Other Abbreviations

1.2.2.1. Symbols and Other Abbreviations

1) The symbols and other abbreviations in Division B shall have the meanings assigned to them in Article 1.4.2.1. of Division A and Article 1.3.2.1.

Section 1.3. Referenced Documents and Organizations

1.3.1. Referenced Documents

1.3.1.1. Effective Date

1) Unless otherwise specified herein, the documents referenced in this Code shall include all amendments, revisions, reaffirmations, reapprovals, addenda and supplements effective to 30 June 2017.

1.3.1.2. Applicable Editions

1) Where documents are referenced in this Code, they shall be the editions designated in Table 1.3.1.2.

Table 1.3.1.2.
Documents Referenced in the National Fire Code of Canada 2015
Forming Part of Sentence 1.3.1.2.(1)

Issuing Agency	Document Number ⁽¹⁾	Title of Document ⁽²⁾	Code Reference
ACGIH	28th Edition	Industrial Ventilation: A Manual of Recommended Practice for Design	A-3.2.7.3.(1)(b)
API	5L-2012	Line Pipe	4.5.2.1.(5)
API	12B-2008	Bolted Tanks for Storage of Production Liquids	4.3.1.2.(1) A-4.3.1.2.(2)(b)
API	12D-2008	Field Welded Tanks for Storage of Production Liquids	4.3.1.2.(1) A-4.3.1.2.(2)(b)
API	12F-2008	Shop Welded Tanks for Storage of Production Liquids	4.3.1.2.(1) A-4.3.1.2.(2)(b)
API	620-2013	Design and Construction of Large, Welded, Low-Pressure Storage Tanks	4.3.1.3.(1)
API	650-2013	Welded Tanks for Oil Storage	4.3.1.2.(1)
API	653-2009	Tank Inspection, Repair, Alteration, and Reconstruction	4.3.1.10.(2) Table 4.4.1.2.-B
API	1104-2013	Welding of Pipelines and Related Facilities	4.5.5.2.(1) A-4.5.10.7.(6)
API	RP 1604-1996	Closure of Underground Petroleum Storage Tanks	A-4.3.16.1.(1)
API	2000-2009	Venting Atmospheric and Low-Pressure Storage Tanks	4.3.1.2.(2) 4.3.4.1.(1) A-4.3.13.10.(1)
API	RP 2003-2008	Protection Against Ignitions Arising out of Static, Lightning, and Stray Currents	A-4.7.4.5.
API	RP 2009-2002	Safe Welding, Cutting and Hot Work Practices in the Petroleum and Petrochemical Industries	A-5.2.3.4.(1)(b)
API	2015-2001	Safe Entry and Cleaning of Petroleum Storage Tanks, Planning and Managing Tank Entry From Decommissioning Through Recommissioning	A-5.2.3.4.(1)(b)
API	RP 2200-2010	Repairing Crude Oil, Liquefied Petroleum Gas, and Product Pipelines	A-4.5.10.7.(6)
API	RP 2201-2003	Safe Hot Tapping Practices in the Petroleum and Petrochemical Industries	A-4.5.10.7.(6) A-5.2.3.4.(1)(b)
API	RP 2207-2007	Preparing Tank Bottoms for Hot Work	A-5.2.3.4.(1)(b)
ARPM	IP-2-2014	Hose Handbook	A-4.8.8.1.(1)(a)
ASME/CSA	ASME A17.1-2010/CSA B44-10	Safety Code for Elevators and Escalators	7.2.2.1.(2)

Table 1.3.1.2. (Continued)

Issuing Agency	Document Number ⁽¹⁾	Title of Document ⁽²⁾	Code Reference
ASME	BPVC-2017	Boiler and Pressure Vessel Code	4.3.1.3.(1) 4.5.9.5.(2) 4.5.9.6.(1)
ASME	B16.5-2017	Pipe Flanges and Flanged Fittings: NPS ½ Through NPS 24 Metric/Inch Standard	4.5.5.3.(1)
ASME	B31.3-2016	Process Piping	4.5.2.1.(6)
ASTM	A 53/A 53M-12	Pipe, Steel, Black and Hot-Dipped, Zinc-Coated, Welded and Seamless	4.5.2.1.(5)
ASTM	A 193/A 193M-16	Alloy-Steel and Stainless Steel Bolting for High Temperature or High Pressure Service and Other Special Purpose Applications	4.5.5.4.(1)
ASTM	D 5/D 5M-13	Penetration of Bituminous Materials	A-4.1.3.1.
ASTM	D 56-05	Flash Point by Tag Closed Cup Tester	4.1.3.1.(1)
ASTM	D 93-13e1	Flash Point by Pensky-Martens Closed Cup Tester	4.1.3.1.(2)
ASTM	D 323-08	Vapor Pressure of Petroleum Products (Reid Method)	1.4.1.2.(1) ⁽³⁾
ASTM	D 3278-96	Flash Point of Liquids by Small Scale Closed-Cup Apparatus	4.1.3.1.(4) A-4.1.3.1.
ASTM	D 3828-16a	Flash Point by Small Scale Closed Cup Tester	4.1.3.1.(3)
ASTM	D 4359-90	Determining Whether a Material Is a Liquid or a Solid	A-4.1.3.1.
CCBFC	NRCC 30619	National Building Code of Canada 1990	A-2.1.2.1.(1)
CCBFC	NRCC 40383	User's Guide – NBC 1995, Fire Protection, Occupant Safety and Accessibility (Part 3)	7.1.1.2.(2) 7.2.3.1.(1) 7.2.3.3.(1) 7.3.2.1.(1) 7.3.3.1.(1) 7.3.4.1.(1) 7.3.5.1.(1) 7.3.6.1.(1) 7.3.7.1.(1) 7.3.8.1.(1) 7.3.9.1.(1) 7.3.10.1.(1) 7.3.11.1.(1) 7.3.12.1.(1) 7.3.13.1.(1) 7.3.14.1.(1) 7.3.15.1.(1)
CCBFC	NRCC 47666	National Building Code of Canada 2005	A-2.1.3.1.(1)

Table 1.3.1.2. (Continued)

Issuing Agency	Document Number ⁽¹⁾	Title of Document ⁽²⁾	Code Reference
CCBFC	NRCC 56190	National Building Code of Canada 2015	1.3.3.2.(1) ⁽³⁾ 1.4.1.2.(1) ⁽³⁾ A-1.1.1.1.(1) ⁽³⁾ A-1.4.1.2.(1) ⁽³⁾ A-2.2.1.1.(1) ⁽³⁾ A-3.2.1.1.(1) ⁽³⁾ 2.1.2.1.(1) 2.1.3.1.(1) 2.1.3.2.(1) 2.1.3.4.(1) 2.1.3.7.(1) 2.2.1.1.(1) 2.2.1.1.(2) 2.2.1.1.(3) 2.2.2.1.(1) 2.2.2.1.(2) 2.2.2.4.(2) 2.3.1.1.(1) 2.3.1.2.(1) ⁽⁴⁾ 2.3.1.4.(1) 2.4.1.2.(1) 2.5.1.1.(1) 2.6.1.1.(1) 2.6.1.5.(1) 2.6.1.9.(1) 2.6.2.1.(1) 2.7.1.1.(1) 2.7.1.2.(1) 2.7.1.4.(2) 2.7.3.1.(1) 2.8.1.1.(1) 2.8.2.4.(1) 2.8.2.5.(2) 2.8.3.1.(1) 2.8.3.2.(1) 2.9.1.1.(1) 2.9.3.6.(1) 2.10.1.1.(1) 2.11.1.1.(1) 2.13.2.1.(1) A-2.1.3.1.(1) A-2.1.3.4.(1) A-2.7.1.3.(1) A-2.7.1.4.(2) A-2.7.3.1.(1) A-2.9.3.5.(1) 3.1.4.1.(1) 3.2.4.2.(1) 3.2.6.2.(1) 3.2.7.5.(6) 3.2.7.5.(7) 3.2.7.8.(1) 3.2.7.12.(3) 3.2.8.2.(1) 3.2.8.3.(1) 3.2.9.2.(1) 3.2.9.2.(2) 3.2.9.2.(3) 3.2.9.2.(4) 3.2.9.2.(5) 3.3.2.5.(1)

Table 1.3.1.2. (Continued)

Issuing Agency	Document Number ⁽¹⁾	Title of Document ⁽²⁾	Code Reference
CCBFC	NRCC 56190	National Building Code of Canada 2015 (continued)	A-3.2.2.3.(5) A-3.2.7.9.(1) A-3.2.7.12.(3) A-3.2.9.2.(5) 4.1.7.1.(1) 4.2.4.3.(2) 4.2.7.5.(2) 4.2.9.5.(1) 4.2.11.3.(1) 4.2.12.1.(1) 4.3.2.4.(2) 4.3.3.2.(1) 4.3.14.4.(1) 4.5.6.10.(2) 4.5.8.2.(3) 4.6.3.3.(2) 4.6.3.3.(3) 4.9.3.2.(1) A-4.1.7.1.(1) A-4.2.7.5.(2) 5.1.3.1.(1) 5.3.3.4.(1) 5.5.2.2.(1) 5.5.4.1.(1) 5.5.4.2.(1) 5.5.4.3.(1) 5.5.4.4.(1) 5.6.1.6.(1) 5.6.1.6.(2) 5.6.1.8.(2) 5.6.1.20.(1) 5.6.3.1.(1) 5.6.3.4.(2) 5.6.3.5.(1) 5.6.3.7.(1) A-5.6.1.4.(4) A-5.6.1.6. A-5.6.1.8. A-6.1.1.2.(1) 7.1.1.1.(1) 7.1.1.2.(1) 7.1.1.2.(2) 7.1.1.4.(2)
CCBFC	NRCC 56193	National Plumbing Code of Canada 2015	A-4.1.6.2.(2) A-2.2.1.1.(1) ⁽³⁾ A-3.2.1.1.(1) ⁽³⁾
CCME	PN 1326	Environmental Code of Practice for Aboveground and Underground Storage Tank Systems Containing Petroleum and Allied Petroleum Products	A-4.3.16.1.(1) A-4.4.2.1.(3)
CFA	1990	Using the Canadian Fuels Colour-Symbol System to Mark Equipment and Vehicles for Product Identification	4.3.1.7.(1) 4.5.4.1.(3) 4.5.7.6.(1)
CGA	P-1 (2008)	Safe Handling of Compressed Gases in Containers	A-3.1.1.4.(1)(a)
CGSB	CAN/CGSB-4.162-M80	Hospital Textiles – Flammability Performance Requirements	2.3.2.3.(1)
CNSC	SOR/2000-209	Nuclear Safety and Control Act (S.C. 1997, c.9)	3.1.1.2.(1)
CSA	B51-14	Boiler, Pressure Vessel, and Pressure Piping Code	4.3.1.3.(2)
CSA	B108-14	Compressed Natural Gas Fuelling Stations Installation Code	4.6.1.1.(2)

Table 1.3.1.2. (Continued)

Issuing Agency	Document Number ⁽¹⁾	Title of Document ⁽²⁾	Code Reference
CSA	B139-09	Installation Code for Oil-Burning Equipment	4.1.1.1.(3) 4.3.13.6.(1) A-4.1.1.1.(3)(b) A-4.3.13.4.(1)(b) 5.6.1.10.(1)
CSA	B149.1-10	Natural Gas and Propane Installation Code	3.1.1.4.(2) 3.1.1.4.(3) 4.6.1.1.(2) 5.6.1.10.(1)
CSA	B149.2-10	Propane Storage and Handling Code	3.1.1.4.(2) 3.2.8.2.(3) 4.6.1.1.(2)
CSA	B306-M1977	Portable Fuel Tanks for Marine Use	4.2.3.1.(1)
CSA	B346-M1980	Power-Operated Dispensing Devices for Flammable Liquids	4.6.3.1.(1)
CSA	B376-M1980	Portable Containers for Gasoline and Other Petroleum Fuels	4.2.3.1.(1)
CSA	B620-14	Highway Tanks and TC Portable Tanks for the Transportation of Dangerous Goods	4.2.3.1.(1)
CSA	C22.1-12	Canadian Electrical Code, Part I	4.1.4.1.(1) 4.1.4.1.(2) A-4.10.3.3.(1) 5.1.2.1.(1) 5.1.2.2.(1) 5.3.1.2.(2) 5.3.1.2.(3) 5.3.1.10.(2) 5.5.3.4.(1) 5.6.1.9.(3) A-5.1.2.1.(1) A-5.5.3.4.(1)
CSA	CAN/CSA-C22.2 No. 61010-1-12	Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use - Part 1: General Requirements	A-5.5.3.4.(1)
CSA	C282-15	Emergency Electrical Power Supply for Buildings	6.5.1.1.(1) 6.5.1.4.(1) A-6.5.1.1.(2)
CSA	W117.2-12	Safety in Welding, Cutting and Allied Processes	5.2.1.1.(2)
CSA	Z32-09	Electrical Safety and Essential Electrical Systems in Health Care Facilities	6.5.1.1.(2) A-6.5.1.1.(2)
CSA	Z245.1-14	Steel Pipe	4.5.2.1.(5)
CSA	PLUS 2203-01	Hazardous Locations: A Guide for the Design, Testing, Construction, and Installation of Equipment in Explosive Atmospheres	A-4.1.4.1.(1)
EPA	510-B-93-004	Doing Inventory Control Right for Underground Storage Tanks	A-4.4.2.1.(2)
EPA	510-B-95-009	Introduction to Statistical Inventory Reconciliation For Underground Storage Tanks	A-4.4.2.1.(4)
EPA	530/UST-90/007	Evaluating Leak Detection Methods: Statistical Inventory Reconciliation Methods (SIR)	A-4.4.2.1.(4)
EPA	530/UST-90/008	Evaluating Leak Detection Methods: Vapor-Phase Out-of-Tank Product Detectors	A-4.4.2.1.(3)
EPA	530/UST-90/009	Evaluating Leak Detection Methods: Liquid-Phase Out-of-Tank Product Detectors	A-4.4.2.1.(3)
FM Global	Data Sheet 7-50 (2012)	Compressed Gases in Cylinders	A-3.2.8.2.(2)
FM Global	Data Sheet 7-83 (2013)	Drainage and Containment Systems for Ignitable Liquids	A-4.1.6.1.(1)
HC	R.S.C., 1985, c. H-3	Hazardous Products Act	4.2.3.2.(2)

Table 1.3.1.2. (Continued)

Issuing Agency	Document Number ⁽¹⁾	Title of Document ⁽²⁾	Code Reference
HC	Hazardous Products Act, Part II	Workplace Hazardous Materials Information System (WHMIS)	A-1.4.1.2.(1) ⁽³⁾ 3.1.2.1.(1) 3.2.7.1.(3) Table 3.2.7.1. Table 3.2.7.6. 3.2.7.15.(2) 3.3.4.1.(3) A-Table 3.2.7.1. A-3.2.7.1.(3)(b) A-3.2.7.1.(3) A-3.2.7.6.(3) A-3.2.7.13.(1) A-3.2.7.14.(1)
HC	SOR/2001-269	Consumer Chemicals and Containers Regulations, 2001	A-3.2.5.2.(1)
HC	SOR/2015-17	Hazardous Products Regulations	1.4.1.2.(1) ⁽³⁾ 3.1.2.1.(1) 3.2.7.1.(3) Table 3.2.7.1. Table 3.2.7.6. 3.3.4.1.(3) A-3.2.5.2.(1) A-Table 3.2.7.1. A-3.2.7.6.(3) A-4.2.2.3.(2)
HC	S.C. 2002, c. 28	Pest Control Products Act	4.2.3.2.(2)
IMO	2012	International Maritime Dangerous Goods Code	3.3.4.8.(1)
NACE	SP0169-2013	Control of External Corrosion on Underground or Submerged Metallic Piping Systems	4.5.3.1.(1)
NACE	SP0285-2011	External Corrosion Control of Underground Storage Tank Systems by Cathodic Protection	4.3.10.1.(1)
NFPA	2008	Fire Protection Handbook, Twentieth Edition	A-2.4.1.3.(1)
NFPA	10-2013	Portable Fire Extinguishers	2.1.5.1.(2) 6.2.1.1.(1)
NFPA	11-2016	Low-, Medium-, and High-Expansion Foam	2.1.3.5.(3) 4.3.2.5.(2)
NFPA	12-2015	Carbon Dioxide Extinguishing Systems	2.1.3.5.(3)
NFPA	12A-2015	Halon 1301 Fire Extinguishing Systems	2.1.3.5.(3) A-2.1.3.5.(3)(c) and (d)
NFPA	12B-1990	Halon 1211 Fire Extinguishing Systems	2.1.3.5.(3) A-2.1.3.5.(3)(c) and (d)
NFPA	13-2013	Installation of Sprinkler Systems	A-2.1.3.1.(1) 3.2.1.1.(1) 3.2.2.4.(3) 3.2.3.3.(1) 3.2.4.3.(1) 3.2.6.3.(4) A-3.2.1.1.(1)(a) A-3.2.2.4.(3) A-3.2.3.3.(2)
NFPA	15-2012	Water Spray Fixed Systems for Fire Protection	2.1.3.5.(4) 4.3.2.5.(2) A-4.1.6.1.(1)
NFPA	16-2011	Installation of Foam-Water Sprinkler and Foam-Water Spray Systems	2.1.3.5.(4)
NFPA	17-2013	Dry Chemical Extinguishing Systems	2.1.3.5.(3)

Table 1.3.1.2. (Continued)

Issuing Agency	Document Number ⁽¹⁾	Title of Document ⁽²⁾	Code Reference
NFPA	17A-2013	Wet Chemical Extinguishing Systems	2.1.3.5.(3)
NFPA	18-2011	Wetting Agents	2.1.3.5.(5)
NFPA	25-2017	Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems	6.4.1.1.(1)
NFPA	30-2012	Flammable and Combustible Liquids Code	4.2.7.6.(1) A-4.1.1.1.(2) A-4.1.4.1.(1) A-4.1.6.1.(1) A-4.2.7.6.(1) A-4.3.16.1.(1)
NFPA	30B-2015	Manufacture and Storage of Aerosol Products	3.2.5.2.(1) 3.2.5.5.(1) A-3.2.5.2.(1)
NFPA	32-2016	Drycleaning Plants	5.4.2.1.(1)
NFPA	33-2016	Spray Application Using Flammable or Combustible Materials	5.4.5.2.(1)
NFPA	34-2015	Dipping, Coating, and Printing Processes Using Flammable or Combustible Liquids	5.4.6.2.(1)
NFPA	36-2017	Solvent Extraction Plants	A-4.1.1.1.(2)
NFPA	37-2015	Installation and Use of Stationary Combustion Engines and Gas Turbines	4.3.13.2.(1)
NFPA	51-2018	Design and Installation of Oxygen-Fuel Gas Systems for Welding, Cutting, and Allied Processes	5.2.2.4.(1)
NFPA	55-2016	Compressed Gases and Cryogenic Fluids Code	A-3.1.1.4. A-5.5.5.3.(5)(b) and (7)(b)
NFPA	61-2017	Prevention of Fires and Dust Explosions in Agricultural and Food Processing Facilities	A-5.3.1.3.(2)
NFPA	68-2013	Explosion Protection by Deflagration Venting	3.2.8.2.(1) 4.3.14.3.(1) 4.9.3.1.(1) 4.9.4.2.(1) 5.3.1.6.(2)
NFPA	69-2014	Explosion Prevention Systems	4.3.2.5.(2) 4.9.4.2.(1) 5.3.1.7.(2)
NFPA	80-2013	Fire Doors and Other Opening Protectives	2.2.2.4.(5)
NFPA	80A-2012	Protection of Buildings from Exterior Fire Exposures	A-2.4.1.1.(6)
NFPA	82-2014	Incinerators and Waste and Linen Handling Systems and Equipment	2.6.2.2.(1)
NFPA	86-2015	Ovens and Furnaces	5.4.1.2.(1)
NFPA	91-2010	Exhaust Systems for Air Conveying of Vapors, Gases, Mists, and Noncombustible Particulate Solids	3.2.2.3.(5) 4.1.7.2.(5) A-5.3.1.3.(2)
NFPA	96-2014	Ventilation Control and Fire Protection of Commercial Cooking Operations	2.6.1.9.(2)
NFPA	120-2015	Fire Prevention and Control in Coal Mines	A-5.3.1.3.(2)
NFPA	326-2015	Safeguarding of Tanks and Containers for Entry, Cleaning, or Repair	A-5.6.1.11.(4)
NFPA	484-2015	Combustible Metals	A-5.3.1.3.(2)
NFPA	497-2017	Classification of Flammable Liquids, Gases, or Vapors and of Hazardous (Classified) Locations for Electrical Installations in Chemical Process Areas	A-4.1.4.1.(1)

Table 1.3.1.2. (Continued)

Issuing Agency	Document Number ⁽¹⁾	Title of Document ⁽²⁾	Code Reference
NFPA	505-2013	Powered Industrial Trucks Including Type Designations, Areas of Use, Conversions, Maintenance, and Operations	3.1.3.1.(1)
NFPA	654-2013	Prevention of Fire and Dust Explosions from the Manufacturing, Processing, and Handling of Combustible Particulate Solids	A-5.3.1.3.(2)
NFPA	655-2017	Prevention of Sulfur Fires and Explosions	A-5.3.1.3.(2)
NFPA	664-2012	Prevention of Fires and Explosions in Wood Processing and Woodworking Facilities	5.3.2.1.(1) A-5.3.1.3.(2)
NFPA	705-2013	Field Flame Test for Textiles and Films	2.3.2.2.(1) 2.9.2.1.(1) A-2.3.2.2.(1)
NRCan	R.S.C., 1985, c. E-17	Explosives Act	3.1.1.3.(1) A-3.2.9.1.(1) 5.1.1.2.(1)
NRCan	2010	Display Fireworks Manual	5.1.1.3.(1)
OCIMF	2009	Guide to Manufacturing and Purchasing Hoses for Offshore Moorings, 5th Edition	A-4.8.8.1.(1)(a)
SFPE	4th Edition	Handbook of Fire Protection Engineering	A-4.1.6.1.(1)
STI	SP031-2008	Repair of Shop Fabricated Aboveground Tanks for Storage of Flammable and Combustible Liquids	4.3.1.10.(2)
TC	SOR/96-433	Canadian Aviation Regulations – Part III	2.13.1.1.(1)
TC	SOR/2012-69	Vessel Pollution and Dangerous Chemicals Regulations	A-4.8.8.1.(1)(a)
TC	SOR/2016-95	Transportation of Dangerous Goods Regulations (TDGR)	1.4.1.2.(1) ⁽³⁾ A-1.4.1.2.(1) ⁽³⁾ 3.1.2.1.(1) 3.2.7.1.(3) Table 3.2.7.1. Table 3.2.7.6. 3.2.7.14.(1) 3.2.7.14.(4) 3.2.7.15.(2) 3.3.4.1.(3) A-3.2.7.1.(3)(b) A-3.2.7.1.(3) A-3.2.7.6.(3) A-3.2.7.14.(1) 4.1.1.1.(3) 4.2.3.1.(1) 4.2.3.2.(2) A-4.1.2.1. A-4.2.2.3.(2)
TC	2001	Standards Respecting Pipeline Crossings Under Railways	4.5.6.5.(3)
TC	SOR/82-1015	Railway Prevention of Electric Sparks Regulations	4.7.4.5.(2) 4.8.5.1.(1)
TC	General Order No. O-32, C.R.C., c1148	Flammable Liquids Bulk Storage Regulations	4.5.6.5.(4) 4.7.2.2.(1) 4.7.4.1.(2)
ULC	CAN/ULC-S109-14	Flame Tests of Flame-Resistant Fabrics and Films	2.3.2.1.(1)
ULC	CAN/ULC-S137-07	Fire Growth of Mattresses (Open Flame Test)	2.3.2.3.(2)
ULC	CAN/ULC-S503-05	Carbon-Dioxide Fire Extinguishers	2.1.5.1.(3)
ULC	CAN/ULC-S504-12	Dry Chemical Fire Extinguishers	2.1.5.1.(3)
ULC	CAN/ULC-S507-05	Water Fire Extinguishers	2.1.5.1.(3)
ULC	CAN/ULC-S508-02	Rating and Fire Testing of Fire Extinguishers	2.1.5.1.(4)

Table 1.3.1.2. (Continued)

Issuing Agency	Document Number ⁽¹⁾	Title of Document ⁽²⁾	Code Reference
ULC	CAN/ULC-S512-M87	Halogenated Agent Hand and Wheeled Fire Extinguishers	2.1.5.1.(3)
ULC	CAN/ULC-S531-14	Smoke Alarms	2.1.3.3.(1)
ULC	CAN/ULC-S536-13	Inspection and Testing of Fire Alarm Systems	6.3.1.2.(1)
ULC	CAN/ULC-S552-14	Inspection, Testing and Maintenance of Smoke Alarms	6.7.1.1.(1)
ULC	CAN/ULC-S553-14	Installation of Smoke Alarms	2.1.3.3.(3)
ULC	CAN/ULC-S554-16	Water Based Agent Fire Extinguishers	2.1.5.1.(3)
ULC	CAN/ULC-S561-13	Installation and Services for Fire Signal Receiving Centres and Systems	6.3.1.3.(1)
ULC	CAN/ULC-S566-17	Halocarbon Clean Agent Fire Extinguishers	2.1.5.1.(3)
ULC	CAN/ULC-S601-14	Shop Fabricated Steel Aboveground Tanks for Flammable and Combustible Liquids	4.3.1.2.(1) 4.3.3.2.(1)
ULC	CAN/ULC-S602-14	Aboveground Steel Tanks for Fuel Oil and Lubricating Oil	4.3.1.2.(1)
ULC	CAN/ULC-S603-14	Steel Underground Tanks for Flammable and Combustible Liquids	4.3.1.2.(1) 4.4.3.2.(4)
ULC	CAN/ULC-S603.1-11	External Corrosion Protection Systems for Steel Underground Tanks for Flammable and Combustible Liquids	4.3.1.2.(1) 4.3.8.6.(1) 4.3.10.1.(1) 4.5.3.1.(1)
ULC	CAN/ULC-S612-16	Hose and Hose Assemblies for Flammable and Combustible Liquids	4.6.5.1.(1)
ULC	CAN/ULC-S615-14	Fibre Reinforced Plastic Underground Tanks for Flammable and Combustible Liquids	4.3.1.2.(1) 4.3.8.6.(2) 4.4.3.2.(4)
ULC	CAN/ULC-S620-16	Hose Nozzle Valves for Flammable and Combustible Liquids	4.5.7.1.(2) 4.6.5.2.(1)
ULC	CAN/ULC-S633-99	Flexible Underground Hose Connectors for Flammable and Combustible Liquids	4.5.6.14.(2)
ULC	CAN/ULC-S642-16	Compounds and Tapes for Threaded Pipe Joints	4.5.5.1.(1)
ULC	CAN/ULC-S644-16	Emergency Breakaway Fittings for Flammable and Combustible Liquids	4.6.5.2.(4)
ULC	CAN/ULC-S651-16	Emergency Valves for Flammable and Combustible Liquids	4.5.7.1.(3) 4.6.6.3.(1)
ULC	CAN/ULC-S652-16	Tank Assemblies for the Collection, Storage and Removal of Used Oil	4.3.1.2.(1)
ULC	CAN/ULC-S653-16	Aboveground Steel Contained Tank Assemblies for Flammable and Combustible Liquids	4.3.1.2.(1)
ULC	ULC-S655-98	Aboveground Protected Tank Assemblies for Flammable and Combustible Liquids	4.3.1.2.(1) 4.3.2.1.(7) 4.3.7.4.(2) 4.6.2.1.(3)
ULC	CAN/ULC-S660-08	Nonmetallic Underground Piping for Flammable and Combustible Liquids	4.5.2.1.(3) 4.5.6.14.(2)
ULC	CAN/ULC-S661-10	Overflow Protection Devices for Flammable and Combustible Liquid Storage Tanks	4.3.1.8.(1) 4.3.1.8.(2)
ULC	CAN/ULC-S667-11	Metallic Underground Piping for Flammable and Combustible Liquids	4.5.2.1.(4) 4.5.6.14.(2)
ULC	CAN/ULC-S668-12	Liners Used for Secondary Containment of Aboveground Flammable and Combustible Liquid Tanks	4.3.7.2.(2)
ULC	CAN/ULC-S669-14	Internal Retrofit Systems for Underground Tanks for Flammable and Combustible Liquids	4.3.1.10.(3)

Table 1.3.1.2. (Continued)

Issuing Agency	Document Number ⁽¹⁾	Title of Document ⁽²⁾	Code Reference
ULC	CAN/ULC-S675.1-14	Volumetric Leak Detection Devices for Underground and Aboveground Storage Tanks for Flammable and Combustible Liquids	A-4.4.2.1.(5) A-4.4.2.1.(7) A-4.4.2.1.(10)(a)
ULC	CAN/ULC-S675.2-14	Nonvolumetric Precision Leak Detection Devices for Underground and Aboveground Storage Tanks and Piping for Flammable and Combustible Liquids	A-4.4.2.1.(7) A-4.4.2.1.(10)(a)
ULC	CAN/ULC-S677-14	Fire Tested Aboveground Tank Assemblies for Flammable and Combustible Liquids	4.3.1.2.(1)
ULC	CAN/ULC-S1001-11	Integrated Systems Testing of Fire Protection and Life Safety Systems	6.8.1.1.(1) A-6.8.1.1.(1)
ULC	ULC/ORD-C30-1995	Safety Containers	4.1.5.8.(2) 4.2.3.1.(1) 4.2.6.4.(1) 5.5.5.2.(2)
ULC	ULC/ORD-C58.4-2005	Double Containment Fibre Reinforced Plastic Linings for Flammable and Combustible Liquid Storage Tanks	A-4.3.1.10.(3)
ULC	ULC/ORD-C58.19-1992	Spill Containment Devices for Underground Flammable Liquid Storage Tanks	4.3.9.2.(2)
ULC	ULC/ORD-C80.1-12	Non-metallic Tank for Oil Burner Fuels and Other Combustible Liquids	4.3.1.2.(1)
ULC	ULC/ORD-C107.12-1992	Line Leak Detection Devices for Flammable Liquid Piping	4.4.2.1.(11) 4.4.3.4.(2) 4.4.4.2.(1)
ULC	ULC/ORD-C107.21-1992	Under-Dispenser Sumps	4.3.9.2.(1) 4.6.3.2.(1)
ULC	ULC/ORD-C410A-1994	Absorbents for Flammable and Combustible Liquids	A-4.1.6.3.(3)(b)
ULC	ULC/ORD-C536-1998	Flexible Metallic Hose	4.5.6.14.(2)
ULC	ULC/ORD-C558-14	Guide for the Investigation of Internal Combustion Engine-Powered Industrial Trucks	3.1.3.1.(2)
ULC	ULC/ORD-C583-14	Guide for the Investigation of Electric Battery Powered Industrial Trucks	3.1.3.1.(3)
ULC	ULC/ORD-C842-84	Guide for the Investigation of Valves for Flammable and Combustible Liquids	4.5.7.1.(1)
ULC	ULC/ORD-C1275-84	Guide for the Investigation of Storage Cabinets for Flammable Liquid Containers	4.2.10.5.(1)

Notes to Table 1.3.1.2.:

- (1) Some documents may have been reaffirmed or reapproved. Check with the applicable issuing agency for up-to-date information.
- (2) Some titles have been abridged to omit superfluous wording.
- (3) Code reference is in Division A.
- (4) Code reference is in Division C.

1.3.2. Organizations

1.3.2.1. Abbreviations of Proper Names

1) The abbreviations of proper names in this Code shall have the meanings assigned to them in this Article.

- ACGIH American Conference of Governmental Industrial Hygienists
(www.acgih.org)
- API American Petroleum Institute (www.api.org)
- ARPM Association for Rubber Products Manufacturers (www.arpminc.com)
- ASME American Society of Mechanical Engineers (www.asme.org)

ASTM	American Society for Testing and Materials International (www.astm.org)
CCBFC	Canadian Commission on Building and Fire Codes (see NRC)
CCME	Canadian Council of Ministers of the Environment (www.ccme.ca)
CFA	Canadian Fuels Association (canadianfuels.ca)
CGA	Compressed Gas Association (www.cganet.com)
CGSB	Canadian General Standards Board (www.tpsgc-pwgsc.gc.ca/ongc-cgsb/index-eng.html)
CNSC	Canadian Nuclear Safety Commission (nuclearsafety.gc.ca/eng)
CSA	CSA Group (www.csagroup.org)
EPA	Environmental Protection Agency (U.S.) (www.epa.gov)
FM Global ...	FM Global (www.fmglobal.com)
HC	Health Canada (www.hc-sc.gc.ca)
IMO	International Maritime Organization (www.imo.org)
NACE	NACE International (www.nace.org)
NBC	National Building Code of Canada 2015
NFC	National Fire Code of Canada 2015
NFPA	National Fire Protection Association (www.nfpa.org)
NRC	National Research Council of Canada (Ottawa, Ontario K1A 0R6; www.nrc-cnrc.gc.ca)
NRCan	Natural Resources Canada (www.nrcan.gc.ca)
NRC Const. ..	NRC Construction (former name of the NRC Construction Research Centre) (www.nrc.gc.ca/construction)
OCIMF	Oil Companies International Marine Forum (www.ocimf.com)
SFPE	Society of Fire Protection Engineers (www.sfpe.org)
STI	Steel Tank Institute (www.steeltank.com)
TC	Transport Canada (www.tc.gc.ca)
UL	Underwriters Laboratories Inc. (www.ul.com)
ULC	ULC Standards (canada.ul.com/ulcstandards)
UN	United Nations (www.un.org)

2.13.2.5. Inspection of Separators

1) Aviation fuel and oil separators provided in the drainage system shall be inspected at intervals not greater than 7 days to ensure safe operation and shall be serviced when necessary.

Section 2.14. Objectives and Functional Statements

2.14.1. Objectives and Functional Statements

2.14.1.1. Attribution to Acceptable Solutions

1) For the purposes of compliance with this Code as required in Clause 1.2.1.1.(1)(b) of Division A, the objectives and functional statements attributed to the acceptable solutions in this Part shall be the objectives and functional statements listed in Table 2.14.1.1. (See Note A-1.1.2.1.(1).)

Table 2.14.1.1.
Objectives and Functional Statements Attributed to the
Acceptable Solutions in Part 2
Forming Part of Sentence 2.14.1.1.(1)

Functional Statements and Objectives ⁽¹⁾	
2.1.2.2. Hazardous Activities	
(1)	[F01,F30,F31,F43,F32,F81-OS3.1,OS3.2,OS3.3,OS3.4] [F01-OP1.2] [F01-OS1.1]
(2)	[F02,F03-OS1.2] [F10-OS1.5]
2.1.3.1. Fire Alarm, Standpipe and Sprinkler Systems	
(2)	[F02-OP1.2] [F02-OS1.2]
2.1.3.3. Smoke Alarms	
(1)	[F81,F11-OS1.5]
(2)	[F11-OS1.5]
(3)	[F11,F81-OS1.5]
2.1.3.4. Protection of Combustible Sprinkler Piping	
(1)	[F06,F82-OS1.2] [F06,F82-OP1.2] [F06,F82-OP3.1]
2.1.3.5. Special Fire Suppression Systems	
(2)	[F02,F81-OS1.1] [F02,F81-OP1.1]
(3)	[F02,F81-OS1.2] [F81-OS1.4] [F02,F81-OP1.2] [F81-OP1.4]
(4)	[F02,F81-OS1.2] [F02,F81-OP1.2]
(5)	[F02,F81-OS1.1] [F02,F81-OP1.2]
(6)	[F02-OP1.2] [F02-OS1.2]

Table 2.14.1.1. (Continued)

Functional Statements and Objectives ⁽¹⁾	
(7)	[F82,F12-OP1.2] [F82,F12-OS1.2]
(8)	[F12-OP1.2] [F12-OS1.2]
2.1.3.6. Inspection, Maintenance and Testing of Fire Safety Devices	
(1)	[F82-OS1.4] [F82-OP1.4]
2.1.4.1. Posting	
(1)	[F12,F10,F82,F81-OS1.1,OS1.2]
2.1.5.1. Selection and Installation	
(1)	[F02-OS1.2] [F02-OP1.2]
(2)	[F02,F12-OS1.2] [F02,F12-OP1.2]
(3)	[F02,F12-OS1.2] [F02,F12-OP1.2]
(4)	[F02,F12-OS1.2] [F02,F12-OP1.2]
(5)	[F12,F06-OS1.2] [F12,F06-OP1.2]
(6)	[F80-OP1.2] [F80-OS1.2]
2.2.1.1. Fire Separations	
(2)	[F03-OP1.2] Applies to conformance with the NBC. [F03-OS1.2] Applies to conformance with the NBC.
2.2.1.2. Damage to Fire Separations	
(1)	[F03-OP1.2] [F03-OS1.2]

Table 2.14.1.1. (Continued)

Functional Statements and Objectives ⁽¹⁾	
2.2.2.2. Damage to Closures	
(1)	[F82-OP1.2]
	[F82-OS1.2]
2.2.2.3. Protective Guarding Devices	
(1)	[F81-OP1.2]
	[F81-OS1.2]
2.2.2.4. Inspection and Maintenance	
(1)	[F82-OP1.2]
	[F82-OS1.2]
(2)	[F82-OP1.2]
	[F82-OS1.2]
(3)	[F82-OP1.2]
	[F82-OS1.2]
(4)	[F81-OP1.2]
	[F81-OS1.2]
(5)	[F82-OP1.2]
	[F82-OS1.2]
2.3.1.2. Movable Partitions and Screens	
(1)	[F02-OS1.2]
2.3.1.3. Decorative Materials	
(1)	[F02-OS1.2]
2.3.1.4. Interconnected Floor Spaces	
(1)	[F02-OP1.2]
	[F02-OS1.2]
2.3.2.1. Drapes, Curtains and Decorative Materials	
(1)	[F02-OP1.2]
	[F02-OS1.2,OS1.5]
2.3.2.2. Flame-Retardant Treatments	
(1)	[F82-OP1.2]
	[F82-OS1.2,OS1.5]
2.3.2.3. Textiles in Group B Occupancies	
(1)	[F02-OP1.2]
	[F02-OS1.2]
(2)	[F02-OS1.2]
	[F02-OP1.2]
2.4.1.1. Accumulation of Combustible Materials	
(1)	[F01,F02-OS1.2,OS1.1]
	[F01,F02-OP1.2,OP1.1]
(2)	[F01,F02-OS1.2]
	[F01,F02-OP1.2]
(3)	[F01,F02-OS1.2]
	[F01,F02-OP1.2]

Table 2.14.1.1. (Continued)

Functional Statements and Objectives ⁽¹⁾	
(4)	[F01,F02-OS1.2]
	[F01,F02-OP1.2]
(5)	[F02-OS1.2]
	[F02-OP1.2]
(6)	[F01-OS1.2,OS1.1]
	[F01,F02-OP1.2,OP1.1]
2.4.1.2. Storage Rooms for Combustible Waste Materials	
(1)	[F03,F02-OS1.2]
	[F03,F02-OP1.2]
2.4.1.3. Waste Receptacles	
(1)	[F01-OS1.1] Applies to portion of Code text: "... be removed from the premises."
(2)	[F01-OS1.1] Applies to the storage of combustible materials and ashes in the same container.
(3)	[F03-OS1.2]
	[F03-OP1.2]
(4)	[F03,F02,F01-OS1.2]
	[F03,F02,F01-OP1.2]
2.4.1.4. Lint Traps for Laundry Equipment	
(1)	[F01-OS1.1]
2.4.2.1. Smoking Areas	
(1)	[F01-OS1.1]
(3)	[F01-OS1.1]
2.4.2.2. Signs	
(1)	[F01-OS1.1]
2.4.3.1. Open Flames in Processions	
(1)	[F01-OS1.1]
2.4.3.2. Flaming Meals and Drinks	
(1)	[F01-OS1.1]
(2)	[F01-OS1.1]
(3)	[F01-OS1.1]
(4)	[F12,F02-OS1.2]
	[F12,F02-OP1.2]
2.4.3.3. Devices Having Open Flames	
(1)	[F01-OS1.1]
2.4.4.1. Flammable and Combustible Liquids	
(2)	[F01-OS1.1]
2.4.4.2. Flammable Gases	
(1)	[F01-OS1.1]
2.4.5.1. Open Air Fires	
(1)	[F01,F03,F02-OP1.2]
	[F01,F03,F02-OS1.2]

- b) capable of withstanding the impact of rocketing cans, and
- c) extending to the underside of the roof or to a ceiling of construction equivalent to the *partitions*.

3.2.5.8. Storage Height

- 1) Except as provided in Sentence (2), the height of storage of packaged Level 2 or 3 aerosols shall be not greater than
 - a) 1.75 m where products are in solid piles or on pallets, or
 - b) 6.1 m where products are on *racks*.
- 2) Where the *building* is *sprinklered* in conformance with Article 3.2.5.5., and an enclosure conforming to Articles 3.2.5.6. or 3.2.5.7. is provided, the height of storage of packaged Level 2 or 3 aerosols shall be not greater than
 - a) 6.1 m where products are in solid piles or on pallets, or
 - b) the height limit determined by the design capacity of the sprinkler system where products are on *racks*.

3.2.5.9. Aisles

- 1) Aisles separating *racks*, shelves, or piles of packaged Level 2 or 3 aerosol products shall be not less than 2.4 m wide.

3.2.6. Indoor Storage of Combustible Fibres

3.2.6.1. Application

- 1) This Subsection shall apply to the storage of *combustible fibres* inside *buildings*.

3.2.6.2. Building Construction

- 1) *Buildings* or parts thereof used for the storage of baled *combustible fibres* shall conform to Article 3.1.2.6. of Division B of the NBC.

3.2.6.3. Loose Combustible Fibres

- 1) Up to 3 m³ of loose *combustible fibres* are permitted to be kept in a *fire compartment* provided they are stored in metal-lined bins equipped with self-closing metal-lined covers.
- 2) Quantities of loose *combustible fibres* exceeding 3 m³ but not exceeding 15 m³ shall be stored in rooms separated from the remainder of the *building* by a *fire separation* having a *fire-resistance rating* of not less than 1 h.
- 3) Quantities of loose *combustible fibres* exceeding 15 m³ but not exceeding 30 m³ shall be stored in rooms separated from the remainder of the *building* by a *fire separation* having a *fire-resistance rating* of not less than 2 h.
- 4) Quantities of loose *combustible fibres* that exceed 30 m³ shall be stored in an individual room
 - a) that is *sprinklered* in conformance with NFPA 13, "Installation of Sprinkler Systems,"
 - b) that is separated from the remainder of the *building* by a *fire separation* having a *fire-resistance rating* of not less than 2 h, and
 - c) except as provided in Sentence (5), with *individual storage areas* not exceeding the design area of the sprinkler system.
- 5) The *individual storage areas* for loose *combustible fibres* described in Sentence (4) shall not exceed 250 m².

3.2.6.4. Baled Combustible Fibres

- 1) Except as permitted in Sentences (2), (3) and (4), baled *combustible fibres* shall be stored so that
 - a) no *individual storage area* exceeds 250 m²,
 - b) the height of storage in an *individual storage area* does not exceed 4.5 m,

- c) subsidiary aisles within *individual storage areas* are not less than 1 m wide, and
 - d) the clearance between piles and *building walls* is not less than 1 m.
- 2)** Except as permitted in Sentence (4), where baled *combustible fibres* are stored in *sprinklered buildings*, the maximum area of any *individual storage area* shall be 500 m².
- 3)** Where baled raw pulp is stored in an unsprinklered *building*,
- a) the maximum area of any *individual storage area* shall be 500 m², and
 - b) the maximum height of storage shall be 6 m.
- 4)** Where baled raw pulp is stored in a *sprinklered building*,
- a) the maximum area of any *individual storage area* shall be 1 000 m², and
 - b) the maximum height of storage shall be 6 m.
- 5)** The sides of baled storage piles shall be inclined back from the base of the pile with a slope of not less than 1 m for each 10 m of height.

3.2.6.5. Heating Equipment

- 1)** Unless the use of fuel-fired *appliances* and electrical heating elements is controlled in a manner such that they will not create a fire or explosion hazard, they shall not be permitted in a storage area for *combustible fibres*.
- 2)** Shields shall be provided that will prevent stored material from coming within 300 mm of any part of a heating system's heat distribution network.

3.2.7. Indoor Storage of Dangerous Goods

3.2.7.1. Application

- 1)** Except as provided in Sentence (2) and Part 4 and except as otherwise specified in this Code, this Subsection applies to *buildings* or parts of *buildings* where *dangerous goods* in packages or containers are stored in a single *fire compartment*.
- 2)** Where the amount of stored *dangerous goods* referred to in Sentence (1) does not exceed the amount stated in Column C of Table 3.2.7.1., it shall be exempted from the requirements of this Subsection.
- 3)** Where a product has multiple classes, the applicable small quantity exemption referred to in Sentence (2) shall be determined using
- a) Column A of Table 3.2.7.1. based on the class having precedence, as established in Section 2.8 of TC SOR/2016-95, "Transportation of Dangerous Goods Regulations (TDGR),"
 - b) Column B of Table 3.2.7.1. based on the class having precedence, as established in Table A-3.2.7.1.(3)(b), for controlled products under the "Workplace Hazardous Materials Information System (WHMIS)" as classified in Part 7 of HC SOR/2015-17, "Hazardous Products Regulations" (see Note A-3.2.7.1.(3)(b)), or
 - c) when the class having precedence cannot be established, Column C of Table 3.2.7.1. based on the lesser of the two small quantity exemptions.
- (See Note A-3.2.7.1.(3).)

to the acceptable solutions in this Part shall be the objectives and functional statements listed in Table 3.4.1.1. (See Note A-1.1.2.1.(1).)

Table 3.4.1.1.
Objectives and Functional Statements Attributed to the
Acceptable Solutions in Part 3
Forming Part of Sentence 3.4.1.1.(1)

Functional Statements and Objectives ⁽¹⁾	
3.1.1.2. Radioactive Materials	
(1)	[F01,F02,F03,F81-OS1.1,OS1.2]
3.1.1.3. Explosives	
(1)	[F01,F02,F03,F81-OS1.1,OS1.2]
3.1.1.4. Compressed Gases	
(2)	[F01,F02,F03,F81-OS1.1,OS1.2]
(3)	[F01,F02,F03,F81-OS1.1,OS1.2]
3.1.2.2. Ambient Temperature	
(1)	[F51-OS1.1]
(2)	[F51-OS1.1]
(3)	[F51-OS1.1]
3.1.2.3. Packages and Containers	
(1)	[F20,F43,F80,F81-OH5]
	[F20,F43,F80,F81-OS3.4]
	[F20,F43,F80,F81,F01-OS1.1]
(2)	[F20,F43,F80,F81-OH5]
	[F20,F43,F80,F81-OS3.4]
	[F20,F43,F80,F81,F01-OS1.1]
3.1.2.4. Storage Arrangement and Conditions	
(1)	[F01,F43-OS1.1]
	[F43-OS3.4]
	[F10,F30-OS3.7]
	[F01,F43-OP1.1]
	[F43-OH5]
(2)	(b) [F01,F43-OS1.1]
	(a) [F43-OS3.4]
	(b) [F01,F43-OP1.1]
	(a) [F43-OH5]
3.1.2.5. Compressed Gases	
(1)	[F81-OS3.4]
	[F81-OS1.1]
(2)	[F81-OS3.4]
	[F81-OS1.1]
(3)	[F81,F22-OS3.4]
	[F22,F81-OS1.1]
(4)	[F05-OS1.5]
3.1.2.6. Reactive Materials	
(2)	[F22,F51,F81-OS1.1]

Table 3.4.1.1. (Continued)

Functional Statements and Objectives ⁽¹⁾	
(3)	[F01,F52-OS1.1]
(4)	[F01-OS1.1]
3.1.2.7. Fire Safety Plan	
(1)	[F12-OS1.1]
(2)	[F12-OS1.1]
3.1.3.1. Industrial Trucks	
(1)	[F01,F81,F82-OS1.1]
(2)	[F01,F81-OS1.1]
(3)	[F01,F81-OS1.1]
3.1.3.2. Fuel-Fired Industrial Trucks	
(1)	(a) [F03-OS1.2]
	(a) [F03-OP1.2]
	(b) [F03-OS1.2]
	(b) [F03-OP1.2]
	(c) [F01,F02-OS1.1]
	(c) [F01,F02-OP1.1]
(2)	[F01,F44-OS1.1]
	[F01,F44-OP1.1]
(3)	(a) to (c) [F01-OS1.1]
	(a) to (c) [F01-OP1.1]
	(d) [F01,F02-OP1.1]
	(d) [F01,F02-OS1.1]
(4)	[F03,F12-OS1.2]
	[F02,F12-OP1.2]
3.1.3.3. Battery-Powered Industrial Trucks	
(1)	(a) [F03-OS1.2]
	(a) [F03-OP1.2]
	(b) to (d) [F01-OS1.1]
	(b) to (d) [F01-OP1.1]
(2)	[F02,F12-OP1.2]
	[F02,F12-OS1.2]
3.1.3.4. Training	
(1)	[F12-OP1.1]
	[F12-OS1.1]
	[F12-OP1.2]
	[F12-OS1.2]
3.2.1.1. Application	
(2)	[F02-OP1.2]
	[F02-OS1.2]

Table 3.4.1.1. (Continued)

Functional Statements and Objectives ⁽¹⁾	
3.2.2.2. Access Aisles	
(1)	[F12-OP1.2]
	[F12-OS1.2]
(2)	[F12-OP1.2]
	[F12-OS1.2]
(3)	[F12-OP1.2]
	[F12-OS1.2]
(4)	[F12-OP1.2]
	[F12-OS1.2]
(5)	[F12-OP1.2]
	[F12-OS1.2] [F06-OS1.5]
(6)	[F06,F02-OP1.2]
	[F06-OS1.5] [F02-OS1.2]
(7)	[F12-OP1.2]
	[F12-OS1.2]
(8)	[F12-OP1.2]
	[F12-OS1.2]
3.2.2.3. Clearances	
(1)	[F21-OP1.3,OP1.2]
	[F21-OS1.3,OS1.2]
(2)	[F12-OP1.2]
	[F12-OS1.2]
(3)	[F04-OP1.3,OP1.2]
	[F04-OS1.3,OS1.2]
(4)	[F02-OP1.2]
	[F02-OS1.2]
(5)	[F01-OS1.1]
3.2.2.4. Combustible Pallets	
(2)	[F02-OP1.2]
	[F02-OS1.2]
(3)	[F02-OS1.2]
	[F02-OP1.2]
3.2.2.5. Fire Safety Plan	
(2)	[F81,F02,F12-OP1.2]
	[F81-OS1.1] [F81,F02,F12-OS1.2]
(3)	[F81,F02,F12-OP1.2]
	[F81-OS1.1] [F81,F02,F12-OS1.2]
(4)	[F81,F02,F12-OP1.2]
	[F81-OS1.1] [F81,F02,F12-OS1.2]
(5)	[F02,F12-OP1.2]
	[F02,F12-OS1.2]
3.2.2.6. Smoking	
(1)	[F01-OS1.1]

Table 3.4.1.1. (Continued)

Functional Statements and Objectives ⁽¹⁾	
3.2.2.7. Storage Arrangements	
(1)	[F20-OS1.1,OS1.2] [F04-OS1.2,OS1.5]
3.2.3.2. Individual Storage Areas	
(1)	[F02-OS1.2]
	[F02-OP1.2]
	[F04-OP1.2]
	[F20-OS1.1] [F04-OS1.2,OS1.5]
(2)	[F04,F02-OP1.2]
	[F20-OS1.1] [F04,F02-OS1.2]
3.2.3.3. Sprinkler Systems	
(1)	[F02,F81-OP1.2]
	[F02,F81-OS1.2]
(2)	[F02,F81-OP1.2]
	[F02,F81-OS1.2]
3.2.4.3. Sprinkler Protection	
(1)	[F02,F81-OP1.2]
	[F02,F81-OS1.2]
3.2.4.4. Portable Extinguishers	
(1)	[F02,F12,F81-OP1.2]
	[F02,F12,F81-OS1.2]
3.2.5.4. Level 2 and 3 Aerosols	
(1)	[F02,F03-OP1.2] Applies to conformance to Table 3.2.5.4.
	[F02,F03-OS1.2] Applies to conformance to Table 3.2.5.4.
(2)	[F02,F03-OP1.2]
	[F02,F03-OS1.2]
3.2.5.5. Sprinkler Systems	
(1)	[F02,F81-OP1.2]
	[F02,F81-OS1.2]
(2)	[F02,F03-OP1.2]
	[F02,F03-OS1.2]
3.2.5.6. Type A Dedicated Areas	
(1)	[F20-OS1.2]
	[F20-OP1.2]
(2)	[F20-OS1.2]
3.2.5.7. Type B Dedicated Areas	
(1)	[F03,F20-OP1.2]
	[F03,F20-OS1.2]

3) Except as provided in Sentence (4), outdoor processing equipment having emergency relief venting and a working pressure more than 17 kPa (gauge) shall be separated from property lines and *buildings* on the same property by distances

- a) 1.5 times those in Table 4.3.2.1. for stable liquids, and
- b) 4 times those in Table 4.3.2.1. for *unstable liquids*.

4) Where protection is not provided against fires or explosions in processing equipment, the distances in Sentences (2) and (3) shall be doubled. (See Sentence 4.3.2.5.(2).)

4.9.3. Processing Buildings

4.9.3.1. Explosion Venting

1) Except as provided in Article 4.9.4.2., where Class IA liquids or *unstable liquids* are processed within a room or a *building*, the room or *building* shall be designed to prevent critical structural and mechanical damage from an internal explosion in conformance with NFPA 68, "Explosion Protection by Deflagration Venting." (See Note A-3.2.8.2.(1)(d).)

4.9.3.2. Fire Separations

1) Areas where *unstable liquids* are handled or where small scale unit chemical processes occur shall conform to Article 3.3.6.8. of Division B of the NBC.

4.9.3.3. Basements and Pits

1) *Process plants* where Class I and II liquids are handled shall not have *basements* or covered pits.

4.9.3.4. Ventilation

1) Equipment used in a *building* and the ventilation of the *building* shall be designed so as to limit flammable vapour-air mixtures under normal operating conditions to the interior of equipment, and to not more than 1.5 m from such equipment. (See Note A-4.9.3.4.(1).)

4.9.4. Fire Prevention and Protection

4.9.4.1. Spill and Vapour Control

- 1) Processing equipment shall be designed and arranged to
 - a) prevent the unintentional escape of liquids and vapours, and
 - b) minimize the quantity escaping in the event of accidental release.

4.9.4.2. Explosion Protection

- 1) Processing equipment where an explosion hazard is present shall be
 - a) designed to withstand the explosion pressure without damage to the equipment,
 - b) provided with explosion venting in conformance with NFPA 68, "Explosion Protection by Deflagration Venting," or
 - c) provided with an explosion prevention system in conformance with NFPA 69, "Explosion Prevention Systems."

4.9.4.3. Fire Protection

- 1) The risks of fire and explosion at *process plants* shall be evaluated based on
 - a) material properties,
 - b) material quantities,
 - c) operating conditions,
 - d) arrangement of stored materials,
 - e) transportation of materials,
 - f) process design, and
 - g) operating and maintenance procedures.

2) Based on the evaluation required in Sentence (1), measures to minimize the occurrence of fires and explosions and to mitigate their effects shall be identified.

- 3)** Where the process warrants protection, *process plants* shall be supplied with
- a) water supplies of adequate pressure and quantity to meet the probable fire demands,
 - b) hydrants,
 - c) hoses connected to a permanent water supply and located so that all equipment containing *flammable liquids* or *combustible liquids*, including pumps, can be reached with at least one hose stream, and
 - d) fire protection systems conforming to Part 2.

4.9.4.4. Emergency Procedures

1) Emergency procedures conforming to Article 4.1.5.5. shall be established for *refineries* and *process plants*.

Section 4.10. Distilleries

4.10.1. Scope

4.10.1.1. Application

1) This Section applies only to those areas or *buildings* in *distilleries* where *distilled beverage alcohols* are concentrated, blended, mixed, stored or packaged. (See Note A-4.10.1.1.(1).)

2) The storage, handling and use of *flammable liquids* or *combustible liquids* other than *distilled beverage alcohols* in a *distillery* shall conform to Part 4.

3) Where there is a conflict between the requirements of this Section and other requirements in Part 4, this Section shall govern.

4.10.2. General

4.10.2.1. Building Classification

1) Except as provided in Sentence (2), *buildings* or parts of *buildings* in which *distilled beverage alcohol* is distilled, processed or stored in bulk shall be classified as *high-hazard industrial occupancies*.

2) *Buildings* or parts of *buildings* used for the storage of *closed containers* of *distilled beverage alcohols* shall be classified as *medium-hazard industrial occupancies*.

4.10.3. Storage Tanks and Containers

4.10.3.1. Design, Fabrication and Testing

1) *Storage tanks*, wooden vats, barrels, drums or containers used for the storage or processing of *distilled beverage alcohols* shall be designed, fabricated and tested for the anticipated maximum working pressure, operating temperature, internal corrosion conditions and structural stresses to which they could be subjected.

4.10.3.2. Supports, Foundations and Anchorage

(See Note A-4.10.3.2.)

1) Supports, foundations and anchorage of *storage tanks* shall comply with Subsection 4.3.3., except that timber supports shall be permitted.

2) *Storage tank* supports having less than a 2 h *fire-resistance rating* shall be protected by an automatic fire suppression system.

Table 4.12.1.1. (Continued)

Functional Statements and Objectives ⁽¹⁾	
4.1.7.6. Recirculating Ventilation Systems	
(1)	[F01-OS1.1]
	(a),(b),(b)(i) [F11,F01-OS1.1]
4.1.7.7. Exclusive Use of Ducts	
(1)	[F01,F44-OS1.1,OS1.2] [F03-OS1.2]
	[F01,F44-OP1.1,OP1.2] [F03-OP1.2]
4.1.7.8. Maintenance	
(1)	[F82-OS1.1]
4.1.8.1. Containers and Storage Tanks	
(2)	[F43-OS1.1]
(3)	[F43-OS1.1]
4.1.8.2. Control of Static Electric Charge	
(1)	(b) [F01-OS1.1]
	[F01-OS1.1]
(2)	[F01-OS1.1]
(4)	[F22-OS1.1]
4.1.8.3. Transfer	
(1)	(b) [F43-OS1.1]
	(c) [F43-OS1.1]
(2)	[F20,F81,F01-OS1.1]
4.1.8.4. Fuel Tanks of Vehicles	
(1)	[F01,F43,F81-OS1.1]
(2)	[F43-OS1.1]
4.2.2.1. Prohibited Locations	
(1)	[F10,F12,F05,F06-OS1.5] Applies to storage in or adjacent to <i>exits</i> or principal routes that provide <i>access to exits</i> .
	[F03-OS1.2] Applies to storage near elevators.
4.2.2.2. Storage Arrangement and Conditions	
(1)	[F01,F43-OS1.1]
	[F43-OS3.4]
	[F10,F30-OS3.7]
	[F01,F43-OP1.1]
	[F43-OH5]
(2)	(a) [F43-OS3.4]
	(b) [F01,F43-OS1.1]
	(a) [F43-OH5]
	(b) [F01,F43-OP1.1]
4.2.3.1. Design and Construction	
(1)	[F20,F43,F80,F81-OH5]
	(d) [F01,F43,F04-OS1.1]
	[F20,F43,F80,F81,F01-OS1.1]
4.2.3.2. Markings or Labels	
(1)	[F81-OS1.1] [F12-OS1.1,OS1.2]
(2)	[F81-OS1.1] [F12-OS1.1,OS1.2]

Table 4.12.1.1. (Continued)

Functional Statements and Objectives ⁽¹⁾	
4.2.4.2. Maximum Quantities	
(2)	[F02-OS1.2]
	[F02-OP1.2]
(3)	[F02-OS1.2]
	[F02-OP1.2]
(4)	(b) [F03-OS1.2]
	(a) [F02-OS1.2]
	[F02,F03-OS1.2]
	(a) [F02-OP1.2] Applies to storage in cabinets not exceeding the quantity permitted for one cabinet.
	[F02,F03-OP1.2]
4.2.4.3. Storage Cabinets and Storage Rooms	
(1)	[F12-OS1.2] [F01-OS1.1]
	[F12-OP1.2] [F01-OP1.1]
4.2.4.4. Exterior Balconies	
(1)	[F03-OS1.2]
	[F03-OP1.2]
4.2.4.5. Dwelling Units	
(1)	[F02-OS1.2] Applies to portion of Code text: "Not more ... than 10 L shall be Class I liquids, are permitted to be stored in each <i>dwelling unit</i> ."
	[F02-OS1.2]
	[F02-OP1.2]
	[F02-OP1.2] Applies to portion of Code text: "Not more ... than 10 L shall be Class I liquids, are permitted to be stored in each <i>dwelling unit</i> ."
4.2.4.6. Attached Garages and Sheds	
(1)	[F02-OS1.2]
	[F02-OP1.2]
4.2.5.2. Maximum Quantities	
(2)	[F02-OS1.2]
	[F02-OP1.2]
(3)	[F02-OS1.2]
	[F02-OP1.2]
(5)	[F02,F03-OS1.2]
	[F02,F03-OP1.2]
4.2.5.3. Containers	
(1)	[F01,F43-OS1.1]
(2)	[F20-OS1.1,OS1.2] [F04-OS1.5]
	[F20-OH5]
	[F04-OP1.2]
(3)	[F01,F43-OS1.2]
4.2.5.4. Transfer	
(1)	[F01,F43-OS1.1]

Table 4.12.1.1. (Continued)

Functional Statements and Objectives ⁽¹⁾	
4.2.6.2. Storage Cabinets and Storage Rooms	
(1)	(a) [F02-OS1.2] Applies to storage in cabinets not exceeding the quantity permitted for one cabinet.
	(b) [F03-OS1.2]
	[F02,F03-OS1.2]
	[F01,F43-OS1.1] Applies to portion of Code text: "Except as permitted in Article 4.2.6.3., <i>flammable liquids</i> and <i>combustible liquids</i> shall be kept in <i>closed containers</i> ..."
	(a) [F02-OP1.2] Applies to storage in cabinets not exceeding the quantity permitted for one cabinet.
[F02,F03-OP1.2]	
4.2.6.3. Maximum Quantities	
(1)	[F02,F03-OS1.2]
	[F02,F03-OP1.2]
(2)	[F02-OS1.2]
	[F02-OP1.2]
4.2.6.4. Containers	
(1)	[F04,F43,F01-OS1.1] [F02-OS1.2]
4.2.6.5. Separation of Dangerous Goods	
(1)	[F03-OS1.2]
4.2.7.2. Storage Facilities	
(1)	[F02,F03-OS1.2]
	[F02,F03-OP1.2]
4.2.7.3. Fire Compartments	
(1)	[F03-OS1.2]
	[F03-OP1.2]
4.2.7.4. Dispensing and Transfer	
(1)	[F01,F02,F03-OS1.2]
	[F01,F02,F03-OP1.2]
(2)	[F02,F01-OS1.2,OS1.1]
	[F01,F02-OP1.1,OP1.2]
4.2.7.5. Maximum Quantities	
(1)	[F03,F02-OS1.2]
	[F43,F01-OS1.1]
	[F20-OS1.1,OS1.2] [F04-OS1.2,OS1.5]
	[F04-OP1.2]
	[F20-OH5]
	[F03,F02-OP1.2]
(2)	[F03-OS1.2]
	[F03-OP1.2]
4.2.7.6. Fire Suppression Systems	
(1)	[F02-OS1.2]
	[F02-OP1.1]

Table 4.12.1.1. (Continued)

Functional Statements and Objectives ⁽¹⁾	
4.2.7.7. Clearances	
(1)	[F04-OS1.3]
	[F04-OP1.3]
(2)	[F02-OS1.2]
	[F02-OP1.2]
(3)	[F81,F82-OS1.1] [F10-OS1.5]
4.2.7.10. Separation from Combustible Products	
(1)	[F03-OS1.2]
4.2.8.2. Maximum Quantities	
(1)	[F02-OS1.2]
	[F02-OP1.2]
(2)	[F02-OS1.2]
	[F02-OP1.2]
(3)	[F02-OS1.2]
	[F02-OP1.2]
4.2.8.3. Handling	
(1)	[F01-OS1.1]
4.2.8.4. General Storage Areas	
(1)	[F02,F03-OS1.2]
	[F02,F03-OP1.2]
(4)	[F02-OS1.2]
	[F02-OP1.2]
4.2.9.1. Maximum Quantities	
(1)	[F02-OS1.2] Applies to storage densities averaged over the total room area.
	[F02-OS1.2] Applies to the total quantities of <i>flammable liquids</i> and <i>combustible liquids</i> .
	[F03-OS1.2] Applies to the <i>fire-resistance ratings</i> of <i>fire separations</i> .
	[F02-OP1.2] Applies to storage densities averaged over the total room area.
	[F02-OP1.2] Applies to the total quantities of <i>flammable liquids</i> and <i>combustible liquids</i> .
(2)	[F03-OP1.2] Applies to the <i>fire-resistance ratings</i> of <i>fire separations</i> .
	[F02-OP1.2]
4.2.9.2. Spill Control	
(1)	[F44-OS1.1,OS1.2]
	[F44-OP1.2]
	[F44-OH5]
4.2.9.3. Aisles	
(1)	[F81,F82-OS1.1,OS1.2] [F12-OS1.2] [F10-OS1.5]
	[F12-OP1.2]

Table 4.12.1.1. (Continued)

Functional Statements and Objectives ⁽¹⁾	
4.2.9.4. Dispensing	
(1)	[F43,F01-OS1.1]
4.2.10.1. Containers	
(1)	[F43,F01-OS1.1] Applies to storage in <i>closed containers</i> .
4.2.10.2. Maximum Quantity per Cabinet	
(1)	[F02-OS1.2]
	[F02-OP1.2]
4.2.10.3. Maximum Quantity per Fire Compartment	
(1)	[F02-OS1.2]
	[F02-OP1.2]
(2)	[F02-OS1.2]
	[F02-OP1.2]
(3)	[F02-OS1.2]
	[F02-OP1.2]
4.2.10.4. Labelling	
(1)	[F01-OS1.1]
4.2.10.5. Fire Endurance	
(1)	[F01-OS1.1]
	[F44-OS1.1]
	[F03-OS1.2]
	[F03-OP1.2]
	[F44-OP1.1]
	[F44-OH5]
4.2.10.6. Ventilation	
(1)	(a) [F01-OS1.1,OS1.2] Applies to materials providing equivalent fire protection.
	(b) [F01-OS1.1,OS1.2] Applies to the vent piping providing equivalent fire protection.
	(a) [F01-OS1.1] Applies to portion of Code text: "... the ventilation openings shall be sealed ..."
	(b) [F01-OS1.1] Applies to portion of Code text: "... the cabinet shall be vented outdoors ..."
4.2.11.1. Quantities and Clearances	
(1)	[F03,F02-OS1.2]
	[F03,F02-OP3.1]
(2)	(a),(b) [F03,F02-OS1.2]
	(a),(b) [F03,F02-OP3.1]
4.2.11.3. Fire Department Access	
(1)	[F12-OP3.1]
4.2.12.2. Maximum Quantities	
(1)	[F02-OS1.2]
	[F02-OP1.2]
4.2.12.3. Dispensing and Handling	
(1)	[F01,F43-OS1.1]
	[F01,F43-OP1.1]

Table 4.12.1.1. (Continued)

Functional Statements and Objectives ⁽¹⁾	
4.3.1.2. Atmospheric Storage Tanks	
(1)	[F20,F80,F43,F81,F01-OS1.1]
	[F20,F80,F43,F81-OH5]
(2)	(b) [F04,F81-OS1.1]
(4)	[F01,F20,F81-OS1.1]
	[F20,F81-OH5]
4.3.1.3. Low Pressure Storage Tanks and Pressure Vessels	
(1)	[F43,F80,F81,F20,F01-OS1.1]
	[F43,F80,F81,F20-OH5]
(2)	[F81,F80,F43,F01,F20-OS1.1]
	[F43,F81,F80,F20-OH5]
4.3.1.4. Operating Pressure	
(1)	[F81,F20-OS1.1]
	[F81,F20-OH5]
4.3.1.5. Corrosion Protection	
(1)	[F80-OS1.1]
	[F80-OH5]
4.3.1.6. Floating Roofs	
(1)	[F04-OS1.1]
4.3.1.7. Identification	
(1)	[F81-OS1.1] [F12-OS1.2]
	[F12-OP1.2]
4.3.1.8. Overfill Protection	
(1)	[F43-OS1.1]
	[F43-OH5]
	[F43-OP1.1]
(2)	[F43-OS1.1]
	[F43-OH5]
	[F43-OP1.1]
4.3.1.9. Installation and Use	
(1)	[F81,F80,F43,F01,F20-OS1.1]
	[F81,F80,F43,F01,F20-OH5]
4.3.1.10. Reuse	
(2)	[F20,F43,F01-OS1.1]
	[F20,F43-OH5]
(3)	[F20,F43,F01-OS1.1]
	[F20,F43-OH5]
(4)	[F81-OH5]
	[F81-OS1.1]
4.3.2.1. Location	
(2)	[F03-OP3.1]
	[F03-OS1.2]

Table 4.12.1.1. (Continued)

Functional Statements and Objectives ⁽¹⁾	
(3)	[F03-OP3.1] [F03-OS1.2]
(4)	[F03-OP3.1] [F03-OS1.2]
(5)	[F03-OP3.1] [F03-OS1.2]
(6)	(a) [F03-OP3.1] (b) [F01,F02-OP3.1] (a) [F03-OS1.2] (b) [F01,F02-OS1.2]
(7)	[F04,F02-OP3.1] [F04,F02-OS1.2]
(8)	[F02-OP3.1]
4.3.2.2. Spacing between Storage Tanks	
(1)	[F03,F12-OP1.2] Applies to the minimum distance being 0.25 times the sum of the tanks' diameters. [F82-OS1.1] Applies to the minimum distance of 1 m between the <i>storage tanks</i> . [F82-OP1.2] Applies to the minimum distance of 1 m between the <i>storage tanks</i> . [F82-OH5] Applies to the minimum distance of 1 m between the <i>storage tanks</i> .
(2)	[F03-OP1.2]
(3)	[F03-OP1.2]
4.3.2.3. Clearances from Liquefied Petroleum Gas Cylinders and Tanks	
(1)	[F03-OP1.2]
(2)	[F02,F03-OP1.2]
4.3.2.4. Fire Department Access	
(1)	[F12-OP1.2]
(2)	[F12-OP1.2]
(3)	[F02,F03-OP1.2]
4.3.2.5. Fire Protection Systems	
(2)	[F02,F03-OP1.2] [F02-OS1.2]
4.3.3.1. Foundations and Supports	
(1)	[F02-OS1.2] Applies to the requirement that <i>storage tanks</i> rest on the ground or on foundations, supports or piling made of concrete, masonry or steel. [F22,F81,F20-OS1.1] [F22,F81,F20-OH5]

Table 4.12.1.1. (Continued)

Functional Statements and Objectives ⁽¹⁾	
(2)	[F22-OS1.1] Applies to the installation of tank supports on firm foundations designed to minimize uneven settling of the tank. [F80-OS1.1] Applies to the minimizing of corrosion of the part of the tank resting on the foundation. [F22-OH5] Applies to the installation of tank supports on firm foundations designed to minimize uneven settling of the tank. [F80-OH5] Applies to the installation of tank supports on firm foundations designed to minimize corrosion of the part of the tank resting on the foundation.
(3)	[F04-OS1.2]
(4)	[F20,F81-OS1.1] [F20,F81-OH5]
4.3.3.2. Earthquake Protection	
(1)	[F22-OS1.1] [F22-OH5]
4.3.3.3. Protection against Flooding	
(1)	[F22-OS1.1] [F22-OH5]
4.3.4.1. Design and Installation	
(1)	[F20,F81-OS1.1] Applies to the requirement for normal venting. [F04,F81-OS1.1] Applies to the requirement for emergency venting. [F20,F81-OH5] Applies to the requirement for normal venting.
4.3.4.2. Unstable Liquids	
(1)	[F20,F81,F04-OS1.1] [F20,F81,F04-OH5]
4.3.5.2. Location of Vent Pipe Outlets	
(1)	[F01-OS1.1]
(2)	[F01-OS1.1]
(3)	[F01-OS1.1]
4.3.5.3. Interconnection of Vent Piping	
(1)	[F20,F81-OS1.1] [F20,F81-OH5]
(2)	[F01-OS1.1]
4.3.6.1. Provision of Valves	
(1)	[F44-OS1.1] [F44-OP1.1] [F44-OH5]
(2)	[F44-OS1.1] [F44-OP1.1] [F44-OH5]

Table 4.12.1.1. (Continued)

Functional Statements and Objectives ⁽¹⁾		
4.3.6.2. Materials		
(1)	[F04,F20-OS1.1] Applies to portion of Code text: "Valves and their connections to a <i>storage tank</i> shall be made of steel ..."	
	[F04,F20-OH5] Applies to portion of Code text: "Valves and their connections to a <i>storage tank</i> shall be made of steel ..."	
(2)	[F20,F04-OS1.1]	
	[F20,F04-OH5] Applies to the materials for valves and their connections to a <i>storage tank</i> being suitable for the pressures, stresses and temperatures.	
4.3.6.3. Openings for Liquid Level Measurements		
(1)	[F43,F01,F81,F34-OS1.1]	
	[F43,F81,F34-OH5]	
4.3.6.4. Connections for Filling and Emptying		
(1)	(a),(b) [F01-OS1.1]	
	(a),(c) [F01-OS1.1]	
(2)	[F43,F01,F81,F34-OS1.1]	
	[F43,F81,F34-OH5]	
(3)	[F01-OS1.1]	
4.3.7.2. Construction		
(1)	[F04-OS1.1] Applies to the construction of the base and walls of secondary containments with noncombustible materials.	
	(a) [F20-OS1.1] Applies to the base and walls of secondary containments being designed, constructed and maintained to withstand full hydrostatic head.	
	(b) [F44-OS1.1] Applies to the base and walls of secondary containments being designed, constructed and maintained to provide the stated permeability.	
	[F04-OP1.1] Applies to the construction of the base and walls of secondary containments with noncombustible materials.	
	(a) [F20-OP1.1] Applies to the base and walls of secondary containments being designed, constructed and maintained to withstand full hydrostatic head.	
	(a) [F20-OH5] Applies to the base and walls of secondary containments being designed, constructed and maintained to withstand full hydrostatic head.	
	(b) [F44-OP1.1] Applies to the base and walls of secondary containments being designed, constructed and maintained to provide the stated permeability.	
	(b) [F44-OH5] Applies to the base and walls of secondary containments being designed, constructed and maintained to provide the stated permeability.	
	(2)	[F44-OS1.1]
		[F44-OP1.1]
(3)	[F44-OS1.1]	
	[F44-OH5]	
	[F44-OP1.1]	

Table 4.12.1.1. (Continued)

Functional Statements and Objectives ⁽¹⁾	
4.3.7.3. Capacity	
(1)	[F44-OS1.1]
	[F44-OP1.1]
	[F44-OH5]
(2)	[F44-OS1.1]
	[F44-OP1.1]
	[F44-OH5]
(3)	[F44-OS1.1]
	[F44-OP1.1]
	[F44-OH5]
4.3.7.4. Clearances	
(1)	[F01,F82-OS1.1] [F12-OS1.2]
	[F82-OH5]
	[F01,F82-OP1.1] [F12-OP1.2]
(3)	[F43,F81-OS1.1]
	[F43,F81-OP1.1]
	[F43,F81-OH5]
4.3.7.5. Access to Storage Tanks and Ancillary Equipment	
(1)	(a) [F82-OS1.1] [F12-OS1.2]
	(b) [F10-OS1.5]
	(c) [F12-OS1.2]
	(c) [F12-OP1.2]
	(a) [F82-OP1.1] [F12-OP1.2]
	(a) [F82,F12-OH5]
	(b) [F10-OS3.4]
	(2)
	[F12-OP1.1]
	[F12-OH5]
4.3.7.6. Emergency Venting	
(1)	[F04-OS1.1]
	[F04-OP1.1]
4.3.7.7. Leak Detection	
(1)	[F82-OS1.1]
	[F82-OH5]
	[F82-OP1.1]
4.3.7.8. Drainage	
(1)	[F81,F44-OS1.1] [F12-OS1.2]
	[F01,F02-OS1.1] Applies to the accumulation of liquids and debris.
	[F81,F44-OH5]
	[F81,F44-OP1.1] [F12-OP1.2]

Table 4.12.1.1. (Continued)

Functional Statements and Objectives ⁽¹⁾	
(3)	(a) [F44-OS1.1]
	(b),(c) [F12-OS1.1]
	(b),(c) [F12-OP1.1]
	(a) [F44-OP1.1]
	(a) [F44-OH5]
4.3.7.9. Use of Secondary Containment	
(1)	[F81,F44,F01,F02-OS1.1] [F12-OS1.2]
	[F81,F44,F01,F02-OP1.1] [F12-OP1.2]
	[F81,F44,F01,F02,F12-OH5]
4.3.8.1. Construction	
(1)	[F43,F44-OH5]
	[F43,F44-OS3.4]
	[F01,F43,F44-OS1.1]
	[F01,F43,F44-OP1.1]
4.3.8.2. Location	
(1)	[F81,F20-OS1.1]
	[F81,F20-OH5]
(2)	(a) [F20,F21-OS1.1] (b) [F20,F21-OS1.1] Applies to the distance from a <i>building</i> foundation.
	(b) [F01-OS1.1] Applies to the distance from a <i>building</i> foundation.
	(b) [F81-OS1.1] Applies to the distance from <i>street</i> lines. (c) [F81-OS1.1]
	(a) [F20,F21-OH5] (b) [F20,F21-OH5] Applies to the distance from a <i>building</i> foundation.
	(b) [F01-OP3.1] Applies to the distance from a <i>building</i> foundation.
	(b) [F81-OH5] Applies to the distance from <i>street</i> lines. (c) [F81-OH5]
4.3.8.3. Ground Cover	
(1)	[F20,F81-OS1.1]
	[F20,F81-OH5]
(2)	[F20,F81-OS1.1]
	[F20,F81-OH5]
(3)	[F20,F81-OS1.1]
	[F20,F81-OH5]
(4)	[F81,F04,F20-OS1.1]
	[F81,F04,F20-OH5]
4.3.8.4. Damage Repair	
(1)	[F82-OH5]
	[F82-OS1.1]
(2)	[F82-OS1.1]
	[F82-OH5]

Table 4.12.1.1. (Continued)

Functional Statements and Objectives ⁽¹⁾	
4.3.8.5. Damage Prevention	
(1)	[F81-OS1.1]
	[F81-OH5]
(2)	[F81-OS1.1]
	[F81-OH5]
4.3.8.6. Installation	
(1)	[F81-OS1.1]
	[F81-OH5]
(2)	[F81-OS1.1]
	[F81-OH5]
(3)	[F20-OS1.1]
	[F20-OH5]
4.3.8.7. Filling	
(1)	[F43-OS1.1]
	[F43-OH5]
4.3.8.9. Anchorage	
(1)	[F22-OS1.1]
	[F22-OH5]
(2)	[F81-OS1.1]
	[F81-OH5]
4.3.9.1. Installation	
(1)	[F44-OH5]
	[F44-OS3.4]
	[F01,F44-OS1.1]
	[F01,F44-OP1.1]
(2)	[F43,F44-OH5]
	[F43,F44-OS3.4]
	[F01,F43,F44-OS1.1]
	[F01,F43,F44-OP1.1]
(3)	[F43,F44-OH5]
	[F30,F43,F44-OS3.4]
	[F01,F43,F44-OS1.1]
	[F01,F43,F44-OP1.1]
(4)	[F44,F82-OH5]
	[F44,F82-OS3.4]
	[F01,F44,F82-OS1.1]
	[F01,F44,F82-OP1.1]

Table 4.12.1.1. (Continued)

Functional Statements and Objectives ⁽¹⁾	
(2)	[F20,F81-OS1.1] [F20,F81-OH5]
4.3.16.1. Underground Storage Tanks	
(1)	[F82,F01,F43,F81-OS1.1] [F82,F81-OH5]
4.3.16.2. Aboveground Storage Tanks	
(1)	[F34-OS1.1] [F34-OH5]
(2)	[F82-OS1.1] [F82-OP1.1] [F82-OH5]
(3)	[F43,F01-OS1.1] [F43-OH5]
4.3.16.3. Disposal	
(1)	[F81-OS1.1] [F81-OH5]
4.3.16.4. Underground Piping Systems	
(1)	[F01,F43,F81,F82-OS1.1] [F43,F81,F82-OH5]
4.4.1.2. Frequency and Methods of Leak Detection Testing and Monitoring	
(1)	[F82-OS1.1] [F82-OH5] [F82-OP1.1]
(3)	[F82-OS1.1] [F82-OH5] [F82-OP1.1]
(6)	[F43,F44-OS3.4] [F01,F43,F44-OS1.1] [F01,F43,F44-OP1.1]
4.4.1.3. Remedial Action	
(1)	[F01,F44,F82-OS1.1] [F44,F82-OH5] [F01,F44,F82-OP1.1]
4.4.2.1. Definition and Performance of Leak Detection Testing and Monitoring Methods	
(2)	[F82,F01-OS1.1] [F82,F01-OP1.1] [F82,F43-OH5]
(3)	[F01-OS1.1] [F43-OH5] [F01-OP1.1]
(4)	[F01-OP1.1] [F01-OS1.1] [F43-OH5]

Table 4.12.1.1. (Continued)

Functional Statements and Objectives ⁽¹⁾	
(5)	[F01,F43,F82-OS1.1] [F01,F43,F82-OP1.1] [F43,F82-OH5]
(6)	[F01,F82-OS1.1] [F01,F82-OP1.1] [F43,F82-OH5]
(7)	[F01,F43,F82-OS1.1] [F01,F43,F82-OP1.1] [F43,F82-OH5]
(8)	[F82,F81-OS1.1] [F43,F82-OH5] [F82-OP1.1]
(10)	[F01,F82-OS1.1] [F82-OH5]
(11)	[F01,F82-OS1.1] [F82-OH5] [F01,F82-OP1.1]
(12)	[F82-OS1.1] [F82-OP1.1] [F82-OH5]
4.4.3.1. Leak Detection Tests	
(1)	[F01,F82-OS1.1] [F01,F82-OP1.1] [F43,F82-OH5]
(3)	[F20,F81-OS1.1]
4.4.3.2. Pneumatic Leak Detection Tests	
(1)	[F01-OS1.1]
(2)	[F81-OS1.1] [F81-OH5] [F81-OP1.1]
(4)	[F20,F81-OS1.1] [F20,F81-OS3.4]
(5)	[F20,F81-OS1.1] [F20,F81-OS3.4]
(6)	[F01-OS1.1]
4.4.3.3. Protocols for Pneumatic Leak Detection Testing of Piping Systems	
(3)	[F43-OS1.1] [F43-OH5]
(4)	[F43-OS1.1] [F43-OH5]

Table 4.12.1.1. (Continued)

Functional Statements and Objectives ⁽¹⁾	
(5)	[F82-OS1.1]
	[F82-OH5]
	[F82-OP1.1]
(6)	[F82-OS1.1]
	[F82-OH5]
	[F82-OP1.1]
(7)	[F82-OP1.1]
	[F82-OH5]
	[F82-OS1.1]
4.4.3.4. Protocols for Liquid Media Leak Detection Testing of Piping Systems	
(2)	[F01,F82-OS1.1]
	[F01,F82-OP1.1]
(3)	[F01,F82-OS1.1]
	[F01,F82-OP1.1]
	[F43,F82-OH5]
(4)	[F82-OS1.1]
	[F82-OP1.1]
	[F82-OH5]
(5)	[F20,F81-OS1.1]
(7)	[F81-OS1.1]
	[F81-OP1.1]
	[F81-OH5]
(8)	[F43-OS1.1]
4.4.3.5. Protocols for Leak Detection Testing of Sumps	
(3)	[F82-OS1.1]
	[F82-OH5]
	[F82-OP1.1]
(4)	[F82-OS1.1]
	[F82-OH5]
4.4.4.1. Inventory Reconciliation	
(1)	[F82-OS1.1]
	[F82-OP1.1]
	[F82-OH5]
(2)	[F82-OS1.1]
	[F82-OH5]
(3)	[F82-OS1.1]
	[F82-OH5]
	[F82-OP1.1]
4.4.4.2. Leakage Detection	
(1)	[F81,F82-OS1.1]
	[F81,F82-OH5]

Table 4.12.1.1. (Continued)

Functional Statements and Objectives ⁽¹⁾	
4.5.2.1. Materials	
(1)	[F20-OS1.1] This applies to the suitability of materials for the maximum anticipated working pressures and operating temperatures.
	[F20-OH5] This applies to the suitability of materials for the maximum anticipated working pressures and operating temperatures.
	[F80-OS1.1] Applies to the suitability of materials for the chemical properties of the contained liquid.
	[F80-OH5] Applies to the suitability of materials for the chemical properties of the contained liquid.
	[F20-OP1.1] This applies to the suitability of materials for the maximum anticipated working pressures and operating temperatures.
	[F80-OP1.1] Applies to the suitability of materials for the chemical properties of the contained liquid.
(2)	(a) [F20-OS1.1]
	(a) [F20-OH5]
	(b) [F04-OS1.1]
	(b) [F04-OH5]
	(a) [F20-OP1.1]
	(b) [F04-OP1.1]
(3)	[F20,F80-OS1.1]
	[F20,F80-OP1.1]
	[F20,F80-OH5]
(4)	[F20,F80-OS1.1]
	[F20,F80-OH5]
	[F20,F80-OP1.1]
(5)	[F20,F43,F80,F81-OS1.1]
	[F20,F43,F80,F81-OP1.1]
	[F20,F43,F80,F81-OH5]
(6)	[F20,F43,F80,F81-OS1.1]
	[F20,F43,F80,F81-OP1.1]
	[F20,F43,F80,F81-OH5]
4.5.2.2. Special Materials	
(1)	[F80,F81,F20-OS1.1]
	[F80,F81,F20-OP1.1]
	[F80,F81,F20-OH5]
4.5.3.1. Corrosion Protection	
(1)	[F80-OP1.1]
	[F80-OS1.1]
	[F80-OH5]

4.5.10.3. Emergency Valves	
(1)	[F12-OS1.2,OS1.1] [F12-OH5] Applies to the requirement for signs indicating the location of valves used for the operation of manual emergency shut-off valves. [F12-OP1.2,OP1.1]
4.5.10.4. Portable Extinguishers	
(1)	[F12,F02-OS1.2] [F12,F02-OP1.2]
4.5.10.5. Visual Inspections	
(1)	[F82-OS1.1] [F82-OH5] [F82-OP1.1]
(2)	[F82-OS1.1] [F82-OP1.1] [F82-OH5]
(3)	[F82-OS1.1] [F82-OP1.1] [F82-OH5]
(4)	[F01-OS1.1]
4.5.10.6. Operational Tests	
(1)	[F82-OS1.1] [F82-OH5] [F82-OP1.1]
4.5.10.7. Maintenance	
(1)	[F01,F43-OS1.1] [F43-OH5]
(2)	[F43-OS1.1] [F43-OH5]
(3)	[F01-OS1.1]
(4)	[F81-OS1.1] [F81-OH5]
(5)	[F43-OS1.1] [F43-OH5]
(6)	[F43,F01-OS1.1] [F43-OH5]
4.6.1.1. Application	
(2)	[F01,F02,F03,F81-OS1.1]
4.6.2.1. Outside Aboveground Storage Tanks	
(2)	[F02-OS1.2] [F02-OP1.2]
(3)	[F02-OS1.2] [F02-OP1.2]
(4)	(a) [F81-OS1.1] (b) [F34-OS1.1] (a) [F81-OH5] (b) [F34-OH5] (e) [F43,F81-OS1.1] (e) [F43,F81-OP1.1] (e) [F43,F81-OH5]

Table 4.12.1.1. (Continued)

Functional Statements and Objectives ⁽¹⁾	
4.6.2.2. Containers	
(1)	[F81,F12-OS1.1] [F12-OS1.2] Applies to the requirement for products stored or sold at <i>fuel-dispensing stations</i> to be in <i>closed containers</i> distinctly marked with the generic name of the liquid they contain.
4.6.2.3. Piping	
(4)	[F20,F22-OH5] Applies to the supported portion of the piping. [F20,F22-OS1.1] Applies to the supported portion of the piping. [F20,F22-OP1.1] Applies to the supported portion of the piping. [F21,F81,F20-OP1.1] Applies to the backfilled portion of the piping. [F21,F81,F20-OH5] Applies to the backfilled portion of the piping. [F21,F81,F20-OS1.1] Applies to the backfilled portion of the piping.
4.6.2.5. Piping Supports and Guards	
(1)	[F81,F22-OS1.1] [F81,F22-OH5] [F81,F22-OP1.1]
4.6.3.1. Dispensers	
(1)	[F01,F43-OS1.1] [F43-OH5]
4.6.3.2. Dispenser Sumps	
(1)	[F01,F20,F44,F80,F81-OS1.1] [F20,F44,F80,F81-OS3.4] [F01,F20,F44,F80,F81-OP1.1] [F20,F44,F80,F81-OH5]
4.6.3.3. Location	
(1)	(f) [F43,F01-OS1.1] (f) [F01-OS1.1] Applies to the minimum distance from any <i>building</i> opening. (a) [F01-OP3.1] (b),(c) [F01,F81-OS1.1] (d) [F01-OS1.1] (f) [F01-OS1.1] Applies to location with respect to openings in <i>buildings</i> for the shelter of operating personnel and in which there are electrical installations.
(2)	(a) [F34-OS1.1] (b) [F12,F01-OS1.1] (d) [F01-OS1.1] Applies to portion of Code text: "...ventilation is provided in conformance ... with the requirements for storage garages in Part 6 of the NBC." (d) [F40-OS3.4] Applies to portion of Code text: "... ventilation is provided in conformance ... with the requirements for storage garages in Part 6 of the NBC."
(3)	[F01,F43-OS1.1]

Table 4.12.1.1. (Continued)

Functional Statements and Objectives ⁽¹⁾	
4.6.3.4. Protection against Collision Damage	
(1)	[F81-OS1.1] [F81-OH5]
4.6.3.5. Marine Fuel-Dispensing Stations	
(1)	[F81-OS1.1] [F81-OH5]
4.6.4.1. Location and Identification	
(1)	[F44-OS1.1] Applies to the requirement to provide shut-off devices to all dispensers and pumps. [F06-OS1.1] Applies to the location and shielding of the shut-off devices. [F44-OH5] Applies to the requirement to provide shut-off devices to all dispensers and pumps. [F06-OH5] Applies to the location and shielding of the shut-off devices. [F44-OP1.1] Applies to the requirement to provide shut-off devices to all dispensers and pumps. [F06-OP1.1] Applies to the location and shielding of the shut-off devices.
(2)	[F12-OS1.1,OS1.2] [F12-OP1.1,OP1.2] [F12-OH5]
(3)	[F12,F44-OS1.1] Applies to the requirement for shut-off valves. [F04,F20-OP1.1] Applies to the requirement for steel shut-off valves. [F12,F44-OH5] Applies to the requirement for shut-off valves. [F12,F44-OP1.1] Applies to the requirement for shut-off valves. [F04,F20-OS1.1] Applies to the requirement for steel shut-off valves. [F04,F20-OH5] Applies to the requirement for steel shut-off valves.
4.6.4.2. Self-service Outlets	
(1)	[F12,F44-OS1.1,OS1.2] [F12,F44-OP1.1,OP1.2] [F12,F44-OH5]
(2)	[F12-OH5] [F12-OP1.1,OP1.2] [F12-OS1.1,OS1.2]
4.6.4.3. Marine Fuel-Dispensing Stations	
(1)	[F12-OS1.1] [F12-OH5] [F12-OP1.1]
4.6.5.1. Delivery Hose	
(1)	[F81,F20,F43,F01-OS1.1] [F81,F20,F43-OP1.1] [F81,F20,F43-OH5]

Table 4.12.1.1. (Continued)

Functional Statements and Objectives ⁽¹⁾	
(2)	[F43-OS1.1] [F43-OP1.1] [F43-OH5]
(3)	[F43-OS1.1] [F43-OH5] [F43-OP1.1]
4.6.5.2. Hose Nozzle Valves	
(1)	(b) [F81,F43,F01,F20-OS1.1] (b) [F81,F43,F20-OP1.1] (b) [F81,F43,F20-OH5]
(2)	(a) [F43-OS1.1] (b) [F43-OS1.1] (a) [F43-OP1.1] (b) [F43-OP1.1] (a) [F43-OH5] (b) [F43-OH5]
(3)	[F43-OH5] [F43-OP1.1] [F43-OS1.1]
(4)	[F81-OS1.1] [F81-OP1.1] [F81-OH5]
(5)	[F43-OS1.1] [F43-OP1.1] [F43-OH5]
4.6.6.2. Pumps and Control Equipment	
(1)	[F20,F81-OS1.1] [F20,F81-OP1.1] [F20,F81-OH5]
(2)	[F81,F20,F22-OS1.1] [F81,F20,F22-OP1.1] [F81,F20,F22-OH5]
4.6.6.3. Emergency Valves	
(1)	[F81,F04,F43-OS1.1] [F81,F04,F43-OP1.1] [F81,F43-OH5]
(2)	[F82-OS1.1] [F82-OP1.1] [F82-OH5]

4) Cylinders of *dangerous goods* classified as compressed gases shall conform to Part 3.

5.2.3. Prevention of Fires

5.2.3.1. Location of Operations

1) Except as provided in Sentence (2), hot work shall be carried out in an area free of combustible and flammable contents, with walls, ceilings and floors of *noncombustible construction* or lined with noncombustible materials.

2) When it is not practicable to undertake hot work in an area described in Sentence (1),

- a) combustible and flammable materials within a 15 m distance from the hot work shall be protected against ignition in conformance with Article 5.2.3.2.,
- b) a continuous fire watch shall be provided during the hot work and for a period of not less than 60 min after its completion in conformance with Article 5.2.3.3., and
- c) a final inspection of the hot work area and adjacent exposed areas shall be conducted
 - i) 4 h after completion of the work, or
 - ii) after completion of the fire watch required in Clause (b), in which case, a more comprehensive inspection shall be conducted (see Note A-5.2.3.1.(2)(c)(ii)).

3) When there is a possibility of sparks or open flames reaching combustible materials in areas adjacent to the area where hot work is carried out,

- a) openings in walls, floors or ceilings shall be covered or closed to prevent the passage of sparks or open flames to such adjacent areas, or
- b) Sentence (2) shall apply to such adjacent areas.

5.2.3.2. Protection of Combustible and Flammable Materials

1) Any combustible and flammable material, dust or residue shall be

- a) removed from the area where hot work is carried out, or
- b) except as provided in Sentence (2), protected against ignition by the use of noncombustible materials.

2) Combustible materials or *building* surfaces that cannot be removed or protected against ignition as required in Clause (1)(b) shall be thoroughly wetted where hot work is carried out.

3) The fire watch described in Clauses 5.2.3.1.(2)(b) and (c) shall be carried out by more than one person if combustible materials are exposed to the hot work operations but cannot be directly observed by the initial person performing the fire watch.

4) Any process or activity that produces flammable gases or vapours, *combustible dusts* or *combustible fibres* in quantities sufficient to create a fire or explosion hazard shall be interrupted and the hazardous conditions shall be removed before any hot work is carried out.

5.2.3.3. Fire Watch

1) The exposed areas described in Sentences 5.2.3.1.(2) and (3) shall be continuously examined for ignition of combustible materials by personnel equipped with and trained in the use of fire extinguishing equipment. (See Note A-5.2.3.3.(1).)

5.2.3.4. Work on Containers, Equipment or Piping

1) Hot work shall not be performed on containers, equipment, or piping containing *flammable liquids*, *combustible liquids* or *dangerous goods* classified as flammable gases unless

- a) they have been cleaned and tested with a gas detector to ascertain that they are free of explosive vapours, or
- b) safety measures are taken in conformance with good engineering practice (see Note A-5.2.3.4.(1)(b)).

2) Hot work shall not be performed on a totally enclosed container.

3) Hot work shall not be performed on metal objects that are in contact with combustible materials unless safety precautions are taken to prevent their ignition by conduction.

5.2.3.5. Work Adjacent to Piping

1) When hot work is to be carried out near piping containing *dangerous goods* classified as flammable gases, the piping shall

- a) conform to Sentence 5.2.3.4.(1), or
- b) be protected by a thermal barrier against the passage of heat.

5.2.3.6. Fire Extinguishing Equipment

1) At least one portable fire extinguisher shall be provided in the hot work area.

5.2.3.7. Fire Safety Plan

1) In *buildings* or areas described in Article 2.8.1.1., the required fire safety plan shall include the safety measures described in this Subsection for the safe conducting of hot works.

Section 5.3. Dust-Producing Processes

5.3.1. General

5.3.1.1. Application

1) This Section shall apply to *buildings* or parts of *buildings* where *combustible dusts* are produced in quantities or concentrations that create an explosion or fire hazard.

5.3.1.2. Dust Removal

1) *Building* and machinery surfaces shall be kept clean of accumulations of *combustible dusts* using cleaning equipment that

- a) is made of materials that will not create electrostatic charges or sparks,
- b) is electrically conductive and bonded to ground, and
- c) except as permitted in Sentence (3), removes the dust to a safe location by vacuum.

2) Cleaning equipment required in Sentence (1) that is used in an atmosphere containing *combustible dusts* shall conform to CSA C22.1, "Canadian Electrical Code, Part I."

3) Where it is not possible to effectively remove the dust by vacuum, it is permitted to use compressed air or other means that will cause the dust to become suspended in the air during removal if, in the dust removal area,

- a) all sources of ignition are eliminated, and
- b) all machinery and equipment is de-energized, unless such machinery or equipment is suitable for use in atmospheres containing *combustible dusts*, in conformance with CSA C22.1, "Canadian Electrical Code, Part I."

5.3.1.3. Dust-Collecting Systems

1) Dust-collecting systems shall be provided to prevent the accumulation of dust and keep suspended dusts at a safe concentration inside a *building*.

2) A dust-collecting system required in Sentence (1) shall

- a) be designed in conformance with good engineering practice,
- b) be made of noncombustible materials, and
- c) not create sparks upon physical contact in the fan assembly.

(See Note A-5.3.1.3.(2).)

5.6.3.7. Construction Access

- 1)** During construction and in addition to the means of access required by Sentences 5.6.1.4.(2) and (3), at least one stairway shall be provided that
 - a) consists of treads and risers complying with the dimensional requirements of Article 3.4.6.8. of Division B of the NBC,
 - b) is equipped with one handrail conforming to Sentences 3.4.6.5.(5), (6), (7), (11), (13), and (14) of Division B of the NBC,
 - c) is not less than 900 mm wide, and
 - d) is equipped with guards that are
 - i) not less than 920 mm high when measured vertically to the top of the guard from a line drawn through the outside edges of the stair nosings, and
 - ii) not less than 1070 mm high around landings.
- 2)** At least one stairway conforming to Sentence (1) shall be
 - a) extended upward as each floor is installed in new construction, or
 - b) maintained for each floor still remaining during demolition.

5.6.3.8. Site Security

(See also Article 8.2.1.3. of Division B of the NBC.)

- 1)** A strongly constructed fence, boarding or barricade not less than 1.8 m high shall be erected around the perimeter of the construction or demolition site.
- 2)** Barricades shall have
 - a) a reasonably smooth surface facing the outside, and
 - b) no openings other than those required for access.
- 3)** Access openings through barricades shall be equipped with gates, which shall be
 - a) kept closed and locked when the site is unattended, and
 - b) maintained in place until completion of the construction or demolition activity.
- 4)** Fencing, boarding and barricades shall be constructed and maintained in a manner that does not restrict access to the construction or demolition site for firefighting purposes or to fire protection equipment.

Section 5.7. Objectives and Functional Statements

5.7.1. Objectives and Functional Statements

5.7.1.1. Attribution to Acceptable Solutions

1) For the purposes of compliance with this Code as required in Clause 1.2.1.1.(1)(b) of Division A, the objectives and functional statements attributed to the acceptable solutions in this Part shall be the objectives and functional statements listed in Table 5.7.1.1. (See Note A-1.1.2.1.(1).)

Table 5.7.1.1.
Objectives and Functional Statements Attributed to the
Acceptable Solutions in Part 5
 Forming Part of Sentence 5.7.1.1.(1)

Functional Statements and Objectives ⁽¹⁾	
5.1.1.2. Explosives	
(1)	[F01,F02-OS1.1]
5.1.1.3. Display Fireworks	
(1)	[F01,F02-OS1.1]

Table 5.7.1.1. (Continued)

Functional Statements and Objectives ⁽¹⁾	
5.1.2.1. Hazardous Locations	
(1)	[F01-OS1.1]
5.1.2.2. General	
(1)	[F01-OS1.1]
5.1.3.1. Ventilation	
(1)	[F01-OS1.1]

Table 5.7.1.1. (Continued)

Functional Statements and Objectives ⁽¹⁾	
5.1.5.1. Fire Safety Plan	
(2)	(b) [F12-OS1.2]
5.2.1.1. Application	
(2)	[F01-OS1.1] Applies to portion of Code text: "... hot works described in Sentence (1) shall conform to CSA W117.2, "Safety in Welding, Cutting, and Allied Processes."
5.2.1.2. Training	
(1)	[F81-OS1.1]
5.2.2.1. Maintenance	
(1)	[F82-OS1.1]
5.2.2.2. Inspection	
(1)	[F82-OS1.1]
(2)	[F82-OS1.1]
5.2.2.3. Equipment Not in Use	
(1)	[F43,F01-OS1.1]
(2)	[F01-OS1.1]
5.2.2.4. Compressed Gas Equipment	
(1)	[F81,F01-OS1.1]
(2)	[F01-OS1.1]
(3)	[F01-OS1.1]
5.2.3.1. Location of Operations	
(1)	[F01-OS1.1]
(2)	(c) [F01-OS1.1] [F02-OS1.2]
	(c) [F01-OP1.1] [F02-OP1.2]
(3)	(a) [F01-OS1.1]
5.2.3.2. Protection of Combustible and Flammable Materials	
(1)	[F01-OS1.1]
(2)	[F01-OS1.1]
(3)	[F01-OS1.1] [F02-OS1.2]
	[F01-OP1.1] [F02-OP1.2]
(4)	[F01-OS1.1]
5.2.3.3. Fire Watch	
(1)	[F01-OS1.1] [F02-OS1.2]
	[F01-OP1.1] [F02-OP1.2]
5.2.3.4. Work on Containers, Equipment or Piping	
(1)	[F01-OS1.1] Applies to the restriction of hot works.
(2)	[F81,F20-OS3.1]
(3)	[F01-OS1.1] Applies to portion of Code text: "Hot work shall not be performed on metal objects that are in contact with combustible materials unless ..."
5.2.3.5. Work Adjacent to Piping	
(1)	(b) [F81-OS1.1]
5.2.3.6. Fire Extinguishing Equipment	
(1)	[F02-OS1.2]

Table 5.7.1.1. (Continued)

Functional Statements and Objectives ⁽¹⁾	
5.2.3.7. Fire Safety Plan	
(1)	[F01-OS1.1]
5.3.1.2. Dust Removal	
(1)	[F01-OS1.1]
(2)	[F01-OS1.1]
(3)	[F01-OS1.1]
5.3.1.3. Dust-Collecting Systems	
(2)	(b) [F02-OS1.2]
	(c) [F01-OS1.1]
	(c) [F01-OP1.1]
	(b) [F02-OP1.2]
	(a) [F01-OS1.1]
	(a) [F01-OP1.1]
5.3.1.4. Dust Collectors	
(1)	[F02-OP1.2]
	[F02-OS1.2]
(2)	[F02,F03-OP1.2] [F01-OP1.1]
	[F02,F03-OS1.2] [F01-OS1.1]
(3)	(b) [F03-OS1.2]
	(b) [F03-OP1.2]
	[F01-OS1.1]
	[F01-OP1.1]
5.3.1.5. Bonding and Grounding	
(1)	[F01-OS1.1]
(2)	[F01-OS1.1]
5.3.1.6. Explosion Venting	
(1)	[F02-OS1.3]
	[F02-OP1.3]
(2)	[F02-OP1.3]
	[F02-OS1.3]
5.3.1.7. Explosion Prevention Systems	
(1)	[F01-OS1.1]
(2)	[F01-OS1.1]
5.3.1.8. Electrical Interlocks	
(1)	[F01-OS1.1]
5.3.1.9. Separators	
(1)	[F01-OS1.1]
5.3.1.10. Ignition Sources	
(1)	[F01-OS1.1]
(2)	[F01-OS1.1]
(3)	[F01-OS1.1]

Table 5.7.1.1. (Continued)

Functional Statements and Objectives ⁽¹⁾	
5.3.2.1. Exhaust Systems	
(1)	[F02-OP1.2] [F01-OS1.1] [F02-OS1.2]
(2)	[F01-OS1.1]
5.3.2.2. Shavings and Sawdust Collection	
(1)	[F01-OS1.1] Applies to portion of Code text: "Loose shavings and sawdust shall be collected at frequent intervals ..."
5.3.2.3. Fire Extinguishers	
(1)	[F12-OS1.2]
5.3.3.1. Storage Bins and Silos	
(1)	[F01-OS1.1]
5.3.3.2. Conveying Equipment	
(1)	[F81,F11,F01-OS1.1]
(2)	[F01-OS1.1]
(3)	[F01,F82-OS1.1]
5.3.3.3. Separators	
(1)	[F01-OS1.1]
5.4.1.2. Design, Operation and Maintenance	
(1)	[F01,F82-OS1.1] [F02,F03,F82-OS1.2] [F01,F82-OP1.1] [F02,F03,F82-OP1.2]
5.4.2.1. Dry Cleaning Plants	
(1)	[F01,F81-OS1.1] [F02,F03,F81-OS1.2] [F01,F81-OP1.1] [F02,F03,F81-OP1.2]
5.4.3.2. Notification	
(1)	[F13-OS3.4] [F13-OS1.1]
(2)	[F11-OS3.4] [F11-OS1.1]
5.4.3.3. Ignition Sources	
(1)	[F01-OS1.1]
5.4.3.4. Electric Power	
(1)	[F01-OS1.1]
5.4.3.5. Air Temperature	
(1)	[F81-OS1.2] [F81-OP1.2]
5.4.3.6. Access to Premises	
(1)	[F34-OS3.4] [F34-OS1.1]
(2)	[F34-OS3.4] [F34-OS1.1]
(3)	[F34-OS3.4] [F34-OS1.1]

Table 5.7.1.1. (Continued)

Functional Statements and Objectives ⁽¹⁾	
5.4.4.2. Public Access	
(1)	[F34-OS3.4] [F34-OS1.1]
5.4.4.3. Ventilation	
(1)	[F01-OS1.1]
(2)	[F01-OS1.1]
5.4.4.4. Sources of Ignition	
(1)	[F01-OS1.1]
5.4.4.5. Waste Receptacles	
(1)	[F02-OP1.2] Applies to the daily removal of contents. [F02-OS1.2] Applies to the daily removal of contents. [F01-OS1.1] Applies to the disposal of contents in a manner that will not create a fire hazard.
5.4.5.2. Design, Operation and Maintenance	
(1)	[F01,F82-OS1.1] [F02,F03,F82-OS1.2]
5.4.6.2. Design, Operation and Maintenance	
(1)	[F01,F82-OS1.1] [F02,F03,F82-OS1.2]
5.5.2.2. Separation	
(1)	[F03-OS1.2] [F03-OP1.2]
5.5.3.1. Emergency Planning	
(5)	[F34-OS1.1] [F34-OS3.4] [F34-OH5]
5.5.3.2. Combustible Materials	
(1)	[F02-OS1.2] [F02-OP1.2]
(2)	[F02-OS1.2] Applies to storing outside the laboratory. [F02-OP1.2] Applies to storing outside the laboratory.
5.5.3.3. Spill Control	
(1)	[F01-OS1.1] [F02-OS1.2] Applies to portion of Code text: "Absorbent and neutralizing materials shall be provided in the laboratory and in the <i>dangerous goods</i> storage areas ..." [F01-OP1.1] [F02-OP1.2] Applies to portion of Code text: "Absorbent and neutralizing materials shall be provided in the laboratory and in the <i>dangerous goods</i> storage areas ..."
5.5.3.4. Electrical Equipment	
(1)	[F01-OS1.1]
(2)	(b) [F02-OP1.2] [F82-OP1.1] (b) [F02-OS1.2] [F82-OS1.1]
5.5.3.5. Ignition Sources	
(1)	[F01-OS1.1] Applies to portion of Code text: "Smoking shall not be permitted in a laboratory ..."

Table 5.7.1.1. (Continued)

Functional Statements and Objectives ⁽¹⁾	
(2)	(a) [F11-OS1.1]
	(a) [F11-OP1.1]
	(b) [F01-OS1.1]
(3)	[F01,F02-OS1.1,OS1.2]
5.5.3.6. Inspection and Maintenance	
(1)	[F82-OS1.1]
	[F82-OS3.4]
	[F82-OH5]
	[F82-OP1.1]
(2)	[F02-OS1.2] [F82-OS1.1]
	[F02-OP1.2]
5.5.4.1. General Ventilation	
(1)	(b) [F81,F82-OS1.1]
5.5.4.2. Power-Ventilated Enclosure	
(2)	[F02-OS1.2] Applies to portion of Code text: "A power-ventilated enclosure required in Sentence (1) shall not be used for the storage of <i>dangerous goods</i> ..."
	[F02-OP1.2] Applies to portion of Code text: "A power-ventilated enclosure required in Sentence (1) shall not be used for the storage of <i>dangerous goods</i> ..."
5.5.4.3. Enclosure Exhaust Ventilation	
(2)	[F02-OS1.2]
	[F12-OP1.2]
	[F44-OS3.4]
	[F43-OH5]
(3)	(a) [F02-OS1.2] [F82-OS1.1]
	(a) [F02-OP1.2] [F82-OP1.1]
5.5.5.1. Maximum Quantities	
(1)	(a) [F02-OS1.2]
	(a) [F02-OP1.2]
	[F02-OP1.2]
	[F02-OS1.2]
(3)	[F02-OS1.2] Applies to storing outside the laboratory.
	[F02-OP1.2] Applies to storing outside the laboratory.
5.5.5.2. Containers for Flammable and Combustible Liquids	
(2)	[F02,F04-OS1.2] [F43,F01-OS1.1]
	[F02,F04-OP1.2] [F01,F43-OP1.1]
(3)	[F01,F43-OS1.1]
	[F01,F43-OP1.1]
(4)	[F43,F01-OS1.1]
5.5.5.3. Compressed Gases	
(1)	[F02-OS1.2]
	[F02-OP1.2]

Table 5.7.1.1. (Continued)

Functional Statements and Objectives ⁽¹⁾	
(2)	[F81-OS1.1]
	[F81-OS3.4]
(3)	(a) [F81-OS1.1] [F12-OS1.1,OS1.2]
	(b) [F12-OS3.4]
	(b) [F12-OP1.2]
	(a) [F12-OP1.2]
	(a) [F81,F12-OS3.4]
(4)	(b) [F12-OS1.1,OS1.2]
	[F43-OS1.1]
(4)	[F43-OS3.4]
	[F43-OS3.4]
(5)	[F43-OH5]
	(b) [F11,F12,F13-OS3.4]
	(b) [F11,F12,F13-OH5]
(6)	[F01,F02-OS1.1,OS1.2]
	[F01,F02-OP1.1,OP1.2]
(7)	[F44-OS3.4]
	[F44-OH5]
	[F01-OS1.1]
	[F01-OP1.1]
5.5.5.4. Refrigerated Storage	
(2)	[F01,F43-OS1.1]
5.5.5.5. Dangerously Reactive Materials	
(1)	(b) [F81-OS1.1]
(2)	[F01-OS1.1] [F02-OS1.2]
	[F01-OP1.1] [F02-OP1.2]
5.5.5.6. Perchloric Acid	
(1)	(b) [F81-OS1.1]
(2)	[F01-OS1.1] [F02-OS1.2]
	[F01-OP1.1] [F02-OP1.2]
(3)	[F01-OS1.1]
5.5.5.7. Chemical Wastes	
(1)	(a) [F81-OS1.1]
5.6.1.2. Protection of Adjacent Buildings	
(1)	[F02,F03-OP3.1]
5.6.1.3. Fire Safety Plan	
(1)	[F11,F13,F12-OS1.2,OS1.5] [F01,F82-OS1.1]
	[F02,F82-OS1.2]
	[F13,F12-OP1.2] [F01,F82-OP1.1] [F02,F82-OP1.2]
5.6.1.4. Access for Firefighting	
(1)	[F12-OS1.2]
	[F12-OP1.2]

Table 5.7.1.1. (Continued)

Functional Statements and Objectives ⁽¹⁾	
(2)	[F12-OS1.2,OS1.5]
	[F12-OP1.2]
(3)	[F12-OS1.2,OS1.5]
	[F12-OP1.2]
(4)	[F12-OS1.2,OS1.5]
	[F12-OP1.2]
(5)	[F12-OS1.2,OS1.5]
	[F12-OP1.2]
5.6.1.5. Portable Extinguishers	
(1)	[F12-OS1.2]
	[F12-OP1.2]
(2)	[F02-OS1.2]
	[F02-OP1.2]
5.6.1.6. Standpipe Systems	
(1)	[F02,F12-OS1.2]
	[F02,F12-OP1.2]
(2)	[F02,F12-OS1.2]
	[F02,F12-OP1.2]
(3)	[F12,F82-OS1.2]
	[F12,F82-OP1.2]
5.6.1.7. Hot Surface Applications	
(2)	[F01-OS1.1]
	[F01-OP1.1]
(3)	[F01-OS1.2]
	[F01-OP1.2]
5.6.1.8. Ignition Sources	
(1)	[F01-OS1.1]
	[F01-OP1.1]
(2)	[F01-OS1.1,OS1.2]
	[F01-OP1.1]
5.6.1.9. Building Services at Demolition Sites	
(1)	[F01,F43-OS1.1]
	[F01,F43-OP1.1]
	[F32-OS3.3]
(2)	[F81-OS1.1,OS1.2]
	[F81-OP1.1,OP1.2]
(3)	[F32-OS3.4]
	[F01-OS1.1,OS1.2]
5.6.1.10. Fuel Supply Installation	
(1)	[F81,F43-OS1.1]
5.6.1.11. Tank, Piping and Machinery Reservoir Safety at Demolition Sites	
(2)	[F01,F43-OS1.1] [F01-OS1.1]

Table 5.7.1.1. (Continued)

Functional Statements and Objectives ⁽¹⁾	
(3)	[F01,F81-OS1.1]
(4)	[F01,F43-OS1.1]
5.6.1.12. Fire Separations in Partly Occupied Buildings	
(1)	[F03-OS1.2]
	[F03-OP1.2]
5.6.1.13. Protection during Shutdown	
(1)	[F12,F82-OS1.2]
	[F12,F82-OP1.2]
	[F02-OP3.1]
(2)	[F02-OP1.2]
	[F02-OP3.1]
	[F02-OS1.2,OS1.5]
5.6.1.14. Watch	
(1)	[F02-OS1.2,OS1.5]
(2)	[F02-OS1.5,OS1.2]
(3)	[F13-OS1.5,OS1.2]
5.6.1.15. Smoking Restrictions	
(1)	[F01-OS1.1]
5.6.1.16. Provision for Egress	
(1)	[F10,F82-OS3.7]
(2)	[F10,F82-OS3.7]
5.6.1.17. Fire Warning	
(1)	[F11-OS1.5]
5.6.1.19. Temporary Enclosures	
(1)	[F01-OS1.1,OS1.2]
5.6.1.20. Disposal of Combustible Refuse	
(1)	[F02-OS1.1,OS1.2]
	[F02-OP1.2]
5.6.2.1. Services Shut-off	
(1)	[F01,F43,F81-OS1.1,OS1.2]
	[F01,F43,F81-OP1.1,OP1.2]
	[F32-OS3.3]
(2)	[F81-OS1.1,OS1.2]
	[F81-OP1.1,OP1.2]
5.6.2.2. Maintaining Existing Services	
(1)	[F81-OS1.1,OS1.2]
5.6.3.2. Smoking Restrictions	
(1)	[F01-OS1.1]
	[F01-OP1.1]
	(a),(d) [F01,F03-OS1.1,OS1.2]
	(a),(d) [F01,F03-OP1.1,OP1.2]

Table 5.7.1.1. (Continued)

Functional Statements and Objectives ⁽¹⁾	
5.6.3.3. Site Identification	
(1)	[F12-OS1.2]
	[F12-OP1.2]
(2)	[F12-OP3.1]
5.6.3.4. Disposal of Combustible Refuse	
(1)	[F03,F12-OS1.2] [F05,F10-OS1.5]
(2)	[F01,F03-OS1.2]
	[F01,F03-OP1.2]
5.6.3.5. Water Supply	
(1)	[F02-OP3.1]
	[F02-OP1.2]
	[F02-OS1.2]
5.6.3.6. Hydrant Access	
(1)	[F02-OP3.1]
	[F02-OP1.2]
	[F02-OS1.2]
5.6.3.7. Construction Access	
(1)	[F10,F12-OS1.2] [F02-OS1.5]
	[F30-OS3.1]
	[F02,F12-OP1.2]
(2)	[F10,F12-OS1.2] [F02,F12-OS1.5]
	[F02,F12-OP1.2]
5.6.3.8. Site Security	
(1)	[F34-OS1.1,OS1.2]
(2)	[F34-OS1.1,OS1.2]
(3)	[F34-OS1.1,OS1.2]
(4)	[F12-OS1.1,OS1.2]

Notes to Table 5.7.1.1.:

⁽¹⁾ See Parts 2 and 3 of Division A.