Section 4.12. Objectives and Functional Statements

4.12.1. Objectives and Functional Statements

4.12.1.1. 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 4.12.1.1. (See Note A-1.1.2.1.(1).)

Table 4.12.1.1.
Objectives and Functional Statements Attributed to the Acceptable Solutions in Part 4
Forming Part of Sentence 4.12.1.1.(1)

Functional Statements and Objectives[1]	
4.1.3.1. Determination of Flash Point	
(1)	[F01-OS1.1]
(2)	[F01-OS1.1]
(3)	[F01-OS1.1]
(4)	[F01-OS1.1]
4.1.4.1. Hazardous Locations	
(1)	[F01-OS1.1]
(2)	[F01-OS1.1]
4.1.5.1. Additional Fire Protection Equipment	
(1)	[F02,F03-OS1.2]
	[F02,F03-OP1.2]
4.1.5.2. Ignition Sources	
(1)	[F01-OS1.1] Applies to portion of Code text: "… a device, operation or activity that produces open flames, sparks or heat shall not be permitted in an area described in Article 4.1.1.1."
	[F01-OS1.1] Applies to portion of Code text: "Unless controlled in a manner that will not create a fire or explosion hazard …"
4.1.5.3. Smoking	
(1)	[F01-OS1.1]
4.1.5.4. Removal of Combustibles	
(1)	[F01-OS1.1]
4.1.5.5. Emergency Planning	
(2)	[F12-OS1.2]
4.1.5.6. Access for Firefighting	
(1)	[F12-OS1.2]
	[F12-OP1.2]
	[F12-OP3.1]
4.1.5.8. Basement Storage	
(1)	[F43,F01-OS1.1]
(2)	[F02,F43-OS1.1]

Table 4.12.1.1. *(continued)*
Objectives and Functional Statements Attributed to the Acceptable Solutions in Part 4
Forming Part of Sentence 4.12.1.1.(1)

	Functional Statements and Objectives[1]
4.1.6.1. Spill Control	
(1)	[F44-OS1.1,OS1.2] Applies to preventing spills from flowing outside the spill area.
	[F44-OP1.1,OP1.2] Applies to preventing spills from flowing outside the spill area.
	[F44-OH5]
(3)	[F44-OH5]
	[F44-OS1.1,OS1.2]
(4)	[F44-OP1.1,OP1.2]
	[F44-OS1.1,OS1.2]
	[F44-OH5]
4.1.6.2. Drainage Systems	
(1)	(a) [F44-OH5] Applies to the termination of the drainage system where it will not create a risk to public health.
	[F44-OS1.1,OS1.2,OS1.4]
	[F44-OP1.1,OP1.2]
(2)	[F03-OS1.2]
4.1.6.3. Spills and Leaks	
(1)	[F82,F44-OS1.1,OS1.2]
	[F82,F44-OP1.1,OP1.2]
(2)	[F44-OP1.1,OP1.2]
	[F44-OS1.1,OS1.2]
	[F44-OH5]
(3)	(a) [F01,F02-OS1.1] (b) [F02-OS1.1,OS1.2]
	(a) [F44-OP1.1,OP1.2] (b) [F02-OP1.1,OP1.2]
4.1.7.1. Rooms or Enclosed Spaces	
(1)	[F01-OS1.1] Applies to conformance to the appropriate provincial or territorial legislation.
	[F01-OS1.1] Applies to portion of Code text: "… shall conform … to this Part, and the British Columbia Building Code."
4.1.7.2. Ventilation Measures	
(1)	[F01-OS1.1]
(2)	[F43-OS1.1]
(3)	[F01-OS1.1]
(4)	[F01-OS1.1]
	[F01-OP1.1]
(5)	(a) [F01-OS1.1]
	(b) [F11-OS1.1]
	(c) [F01,F02-OS1.1,OS1.2]
	(c) [F02-OP1.2]

Table 4.12.1.1. *(continued)*
Objectives and Functional Statements Attributed to the Acceptable Solutions in Part 4
Forming Part of Sentence 4.12.1.1.(1)

Functional Statements and Objectives[1]	
4.1.7.3. Location of Air Inlets and Outlets	
(1)	[F01-OS1.1]
(3)	[F01-OS1.1]
(4)	[F01-OS1.1]
4.1.7.4. Location of Mechanical Ventilation Exhaust Air Outlets	
(1)	(a) [F01-OS1.1]
	(b) [F03-OP1.2]
	(b) [F03-OP3.1]
	(b) [F01-OS1.1] [F03-OS1.2]
4.1.7.5. Make-up Air	
(1)	[F01-OS1.1]
(2)	[F01,F44-OS1.2]
(3)	[F03-OS1.2]
	[F03-OP1.2]
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]

Table 4.12.1.1. *(continued)*
Objectives and Functional Statements Attributed to the Acceptable Solutions in Part 4
Forming Part of Sentence 4.12.1.1.(1)

	Functional Statements and Objectives[1]
4.2.2.1. Prohibited Locations	
(1)	[F10,F12,F05,F06-OS1.5] Applies to storage in or adjacent to exits or principal routes that provide access to exits.
	[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]
	(a) [F43-OH5]
	(b) [F01,F43-OS1.1]
	(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]
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]

Table 4.12.1.1. *(continued)*
Objectives and Functional Statements Attributed to the Acceptable Solutions in Part 4
Forming Part of Sentence 4.12.1.1.(1)

	Functional Statements and Objectives[1]
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 dwelling unit."
	[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 dwelling unit."
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]
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., flammable liquids and combustible liquids shall be kept in closed containers …"
	(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]

Table 4.12.1.1. *(continued)*
Objectives and Functional Statements Attributed to the Acceptable Solutions in Part 4
Forming Part of Sentence 4.12.1.1.(1)

	Functional Statements and Objectives[1]
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]
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]

Table 4.12.1.1. *(continued)*
Objectives and Functional Statements Attributed to the Acceptable Solutions in Part 4
Forming Part of Sentence 4.12.1.1.(1)

Functional Statements and Objectives[1]	
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 flammable liquids and combustible liquids.
	[F03-OS1.2] Applies to the fire-resistance ratings of fire separations.
	[F02-OP1.2] Applies to storage densities averaged over the total room area.
	[F02-OP1.2] Applies to the total quantities of flammable liquids and combustible liquids.
	[F03-OP1.2] Applies to the fire-resistance ratings of fire separations.
(2)	[F02-OS1.2]
	[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]
4.2.9.4. Dispensing	
(1)	[F43,F01-OS1.1]
4.2.10.1. Containers	
(1)	[F43,F01-OS1.1] Applies to storage in closed containers.
4.2.10.2. Maximum Quantity per Cabinet	
(1)	[F02-OS1.2]
	[F02-OP1.2]

Table 4.12.1.1. *(continued)*
Objectives and Functional Statements Attributed to the Acceptable Solutions in Part 4
Forming Part of Sentence 4.12.1.1.(1)

Functional Statements and Objectives[1]	
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]
4.3.1.2. Atmospheric Storage Tanks	
(1)	[F20,F80,F43,F81,F01-OS1.1]
	[F20,F80,F43,F81-OH5]

Table 4.12.1.1. *(continued)*
Objectives and Functional Statements Attributed to the Acceptable Solutions in Part 4
Forming Part of Sentence 4.12.1.1.(1)

	Functional Statements and Objectives[1]
(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]

Table 4.12.1.1. *(continued)*
Objectives and Functional Statements Attributed to the Acceptable Solutions in Part 4
Forming Part of Sentence 4.12.1.1.(1)

Functional Statements and Objectives[1]	
4.3.2.1. Location	
(2)	[F03-OP3.1]
	[F03-OS1.2]
(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 storage tanks.
	[F82-OP1.2] Applies to the minimum distance of 1 m between the storage tanks.
	[F82-OH5] Applies to the minimum distance of 1 m between the storage tanks.
(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]

Table 4.12.1.1. *(continued)*
Objectives and Functional Statements Attributed to the Acceptable Solutions in Part 4
Forming Part of Sentence 4.12.1.1.(1)

	Functional Statements and Objectives[1]
4.3.3.1. Foundations and Supports	
(1)	[F02-OS1.2] Applies to the requirement that storage tanks 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]
(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]

Table 4.12.1.1. *(continued)*
Objectives and Functional Statements Attributed to the Acceptable Solutions in Part 4
Forming Part of Sentence 4.12.1.1.(1)

Functional Statements and Objectives[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]
4.3.6.2. Materials	
(1)	[F04,F20-OS1.1] Applies to portion of Code text: "Valves and their connections to a storage tank shall be made of steel …"
	[F04,F20-OH5] Applies to portion of Code text: "Valves and their connections to a storage tank shall be made of steel …"
(2)	[F20,F04-OS1.1]
	[F20,F04-OH5] Applies to the materials for valves and their connections to a storage tank 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]

Table 4.12.1.1. *(continued)*
Objectives and Functional Statements Attributed to the Acceptable Solutions in Part 4
Forming Part of Sentence 4.12.1.1.(1)

Functional Statements and Objectives[1]	
(3)	[F44-OS1.1]
	[F44-OH5]
	[F44-OP1.1]
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-OS1.1]
	[F12-OP1.1]
	[F12-OH5]
4.3.7.6. Emergency Venting	
(1)	[F04-OS1.1]
	[F04-OP1.1]

Table 4.12.1.1. *(continued)*
Objectives and Functional Statements Attributed to the Acceptable Solutions in Part 4
Forming Part of Sentence 4.12.1.1.(1)

	Functional Statements and Objectives[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]
(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 building foundation.
	(b) [F01-OS1.1] Applies to the distance from a building foundation.
	(b) [F81-OS1.1] Applies to the distance from street lines. (c) [F81-OS1.1]
	(a) [F20,F21-OH5] (b) [F20,F21-OH5] Applies to the distance from a building foundation.
	(b) [F01-OP3.1] Applies to the distance from a building foundation.
	(b) [F81-OH5] Applies to the distance from street lines. (c) [F81-OH5]

Table 4.12.1.1. *(continued)*
Objectives and Functional Statements Attributed to the Acceptable Solutions in Part 4
Forming Part of Sentence 4.12.1.1.(1)

Functional Statements and Objectives[1]	
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]
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]

Table 4.12.1.1. *(continued)*
Objectives and Functional Statements Attributed to the Acceptable Solutions in Part 4
Forming Part of Sentence 4.12.1.1.(1)

Functional Statements and Objectives[1]	
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]
4.3.9.2. Construction	
(1)	[F20,F44,F80,F81-OH5]
	[F20,F44,F80,F81-OS3.4]
	[F01,F20,F44,F80,F81-OS1.1]
	[F01,F20,F44,F80,F81-OP1.1]
(2)	[F20,F44,F80,F81-OH5]
	[F20,F44,F80,F81-OS3.4]
	[F01,F20,F44,F80,F81-OS1.1]
	[F01,F20,F44,F80,F81-OP1.1]
4.3.9.3. Leak Detection Monitoring	
(1)	[F43,F82-OS1.1]
	[F43,F82-OS3.4]
	[F43,F82-OP1.1]
	[F43,F82-OH5]
4.3.10.1. Corrosion Protection	
(1)	[F80-OS1.1]
	[F80-OH5]
4.3.11.1. Vent Design	
(1)	[F20,F81-OS1.1]
	[F20,F81-OH5]

Table 4.12.1.1. *(continued)*
Objectives and Functional Statements Attributed to the Acceptable Solutions in Part 4
Forming Part of Sentence 4.12.1.1.(1)

	Functional Statements and Objectives[1]
4.3.11.3. Installation	
(1)	(a),(a)(i),(b) [F01-OS1.1]
	(a) [F43-OS1.1] Applies to the vent pipe outlets being higher than the fill pipe openings.
	(a), (a)(iii) [F01-OS1.1]
	(a), (a)(ii), (b) [F01-OS1.1]
	(a) [F43-OH5] Applies to the vent pipe outlets being higher than the fill pipe openings.
(2)	[F01-OS1.1] Applies to portion of Code text: "Vent pipe outlets from underground storage tanks for Class II or IIIA liquids shall be located outside buildings …"
	[F43-OS1.1] Applies to the requirement for vent pipe outlets to be located outside buildings at a height that is above the fill pipe opening.
	[F01-OS1.1] Applies to the requirement for vent pipe outlets to be located outside buildings at not less than 2 m above finished ground level.
	[F43-OH5] Applies to the requirement for the vent pipe outlets to be located outside buildings at a height that is above the fill pipe opening.
(3)	[F20,F81-OS1.1] Applies to the requirement for vent pipes to not be obstructed by any device that may cause excessive back pressure.
	[F20,F81-OH5] Applies to the requirement for vent pipes to not be obstructed by any device that may cause excessive back pressure.
(4)	[F20,F81-OS1.1]
	[F20,F81-OH5]
(5)	(a),(b),(c) [F81,F20-OS1.1]
	(d) [F81-OS1.1]
	(a),(b),(c) [F81,F20-OH5]
	(d) [F81-OH5]
4.3.11.4. Interconnection of Vent Pipes	
(1)	[F20,F81-OS1.1]
	[F20,F81-OH5]
(2)	[F20-OS1.1]
	[F20-OH5]
(3)	[F01-OS1.1]
4.3.12.1. Connections	
(1)	[F43,F01-OS1.1]
	[F43-OH5]
4.3.12.2. Openings for Measuring Liquid Level	
(1)	[F43,F01,F81,F34-OS1.1]
	[F43,F81,F34-OH5]
4.3.12.3. Fill Piping and Discharge Piping	
(1)	[F43-OS1.1] Applies to portion of Code text: "Fill piping and discharge piping shall enter underground storage tanks only through the top of the tank …"
	[F43-OS1.1] Applies to portion of Code text: "… discharge piping used in suction systems shall be sloped toward the storage tanks."
	[F43-OH5] Applies to portion of Code text: "Fill piping and discharge piping shall enter underground storage tanks only through the top of the tank …"
	[F43-OH5] Applies to portion of Code text: "… discharge piping used in suction systems shall be sloped toward the storage tanks".

Table 4.12.1.1. *(continued)*
Objectives and Functional Statements Attributed to the Acceptable Solutions in Part 4
Forming Part of Sentence 4.12.1.1.(1)

	Functional Statements and Objectives[1]
(2)	[F43-OS1.1]
	[F43-OH5]
(3)	(a),(b) [F01-OS1.1]
	(a),(c) [F01-OS1.1]
(4)	[F43,F01-OS1.1]
	[F43-OH5]
(5)	[F01-OS1.1]
(6)	(a) [F43,F44,F82-OH5]
	(a) [F43,F44,F82-OS3.4]
	(a) [F01,F43,F44,F82-OS1.1]
	(a) [F01,F43,F44,F82-OP1.1]
	(b) [F01,F43-OS1.1]
	(b) [F01,F43-OP1.1]
	(b) [F43-OH5]
	(c) [F43,F44,F82-OS3.4]
	(c) [F01,F43,F44,F82-OP1.1]
	(c) [F43,F44,F82-OH5]
(7)	[F01,F43-OS1.1]
	[F01,F43-OS3.4]
	[F01,F43-OH5]
4.3.13.1. Occupancy	
(1)	[F01,F02-OS1.1]
	[F01,F02-OP1.1]
4.3.13.2. Stationary Combustion Engines	
(1)	[F01,F02,F03,F04,F43,F81-OS1.1,OS1.2]
4.3.13.3. Maximum Static Head	
(1)	[F20-OS1.1]
	[F20-OH5]
4.3.13.4. Maximum Quantities and Location	
(1)	(b) [F01-OS1.1] [F02-OS1.2]
	(b) [F01-OP1.1] [F02-OP1.2]
4.3.13.5. Storage Tank Construction	
(1)	(a) [F01,F20,F43,F80,F81-OS1.1]
	(a) [F01,F20,F43,F80,F81-OP1.1]
	(b) [F01,F43,F82-OS1.1]
	(b) [F01,F43,F82-OP1.1]
	(b) [F20,F43,F80,F81-OH5]

Table 4.12.1.1. *(continued)*
Objectives and Functional Statements Attributed to the Acceptable Solutions in Part 4
Forming Part of Sentence 4.12.1.1.(1)

Functional Statements and Objectives[1]	
(2)	(b) [F01,F43,F82-OS1.1]
	(b) [F01,F43,F82-OP1.1]
	(b) [F20,F43,F80,F81-OH5]
4.3.13.6. Piping Systems	
(1)	[F01-OS1.1]
	[F01-OP1.1]
4.3.13.7. Fire Compartments	
(1)	[F03-OP1.2]
	[F03-OS1.2]
4.3.13.8. Mixed Storage	
(1)	[F01-OS1.1] [F02-OS1.2]
	[F01-OP1.1] [F02-OP1.2]
4.3.13.9. Storage Tanks outside Storage Rooms	
(1)	(a) [F44-OS1.1]
	(a) [F44-OP1.1]
	(a) [F44-OH5]
	[F01-OS1.1]
4.3.13.10. Vents	
(2)	[F01-OS1.1]
4.3.13.11. Supports, Foundations and Anchorage	
(2)	[F22,F81,F20,F80,F04-OS1.1]
	[F22,F81,F04,F80,F20-OH5]
4.3.13.12. Bonding and Grounding	
(1)	[F01-OS1.1]
4.3.14.1. Design and Construction	
(1)	(a) [F03-OP1.2]
	(a) [F03-OS1.2]
	(c) [F44-OS1.1,OS1.2]
	(b) [F44-OS1.1] Applies to portion of Code text: "… designed to contain 100% of the volume of the largest storage tank …"
	(c) [F44-OH5]
	(c) [F44-OP1.1,OP1.2]
	(b) [F44-OP1.1] Applies to portion of Code text: "… designed to contain 100% of the volume of the largest storage tank …"
	(b) [F44-OH5] Applies to portion of Code text: "… designed to contain 100% of the volume of the largest storage tank …"
4.3.14.2. Clearances	
(1)	[F82-OS1.1]
	[F82-OH5]
	[F82-OP1.1]

Table 4.12.1.1. *(continued)*
Objectives and Functional Statements Attributed to the Acceptable Solutions in Part 4
Forming Part of Sentence 4.12.1.1.(1)

	Functional Statements and Objectives[1]
4.3.14.3. Explosion Venting	
(1)	[F02-OS1.3]
	[F02-OP1.3]
	[F02-OP3.1]
4.3.14.4. Hose Stations and Portable Extinguishers	
(1)	[F44-OP1.1]
	[F44-OH5] Applies to portion of Code text: "… shall be provided in the vicinity of the storage room, such that all parts of the room are within reach of a hose stream."
	[F44-OS1.1]
4.3.14.5. Placards	
(1)	[F81-OS1.1] [F12-OS1.2] Applies to the information to be included in the fire safety plan.
	[F12-OS1.2] Applies to the posting of placards in a conspicuous location outside of the room.
	[F12-OP1.2] Applies to the posting of placards in a conspicuous location outside of the room.
	[F81-OP1.1] [F12-OP1.2] Applies to the information being included in the fire safety plan.
4.3.15.1. Connections	
(1)	[F43,F01-OS1.1]
	[F43-OH5]
(2)	[F44-OS1.1]
	[F44-OH5]
	[F44-OP1.1]
4.3.15.2. Openings for Liquid Level Measurement	
(1)	[F43,F01,F81,F34-OS1.1]
	[F43,F81-OH5]
(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]

Table 4.12.1.1. *(continued)*
Objectives and Functional Statements Attributed to the Acceptable Solutions in Part 4
Forming Part of Sentence 4.12.1.1.(1)

Functional Statements and Objectives[1]	
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]
(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]

Table 4.12.1.1. *(continued)*
Objectives and Functional Statements Attributed to the Acceptable Solutions in Part 4
Forming Part of Sentence 4.12.1.1.(1)

	Functional Statements and Objectives[1]
(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]
(5)	[F82-OS1.1]
	[F82-OH5]
	[F82-OP1.1]

Table 4.12.1.1. *(continued)*
Objectives and Functional Statements Attributed to the Acceptable Solutions in Part 4
Forming Part of Sentence 4.12.1.1.(1)

Functional Statements and Objectives[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]

Table 4.12.1.1. *(continued)*
Objectives and Functional Statements Attributed to the Acceptable Solutions in Part 4
Forming Part of Sentence 4.12.1.1.(1)

Functional Statements and Objectives[1]	
4.4.4.2. Leakage Detection	
(1)	[F81,F82-OS1.1]
	[F81,F82-OH5]
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]

Table 4.12.1.1. *(continued)*
Objectives and Functional Statements Attributed to the Acceptable Solutions in Part 4
Forming Part of Sentence 4.12.1.1.(1)

Functional Statements and Objectives[1]	
4.5.4.1. Identification	
(1)	[F81-OS1.1] [F12-OS1.2]
(2)	[F81-OS1.1]
	[F81-OH5]
(3)	[F81-OS1.1] [F12-OS1.2]
	[F12-OP1.2]
4.5.4.2. Documentation	
(1)	[F12-OS1.2]
	[F12-OH5]
	[F12-OP1.2]
(2)	[F12-OS1.2]
	[F12-OP1.2]
	[F12-OH5]
4.5.5.1. Threaded Joints	
(1)	[F43-OP1.1]
	[F43-OS1.1]
	[F43-OH5]
4.5.5.2. Welded Piping	
(1)	[F20-OP1.1] Applies to conformance to provincial or territorial regulations or municipal by-laws.
	[F20-OH5] Applies to conformance to provincial or territorial regulations or municipal by-laws.
	[F20-OS1.1] Applies to conformance to provincial or territorial regulations or municipal by-laws.
(2)	[F01-OS1.1]
4.5.5.3. Flanged Joints	
(1)	[F20,F43,F80,F81-OP1.1]
	[F20,F43,F80,F81-OS1.1]
	[F20,F43,F80,F81-OH5]
4.5.5.4. Bolting Materials	
(1)	[F04-OP1.1]
	[F04-OS1.1]
	[F04-OH5]
4.5.5.5. Gaskets	
(1)	[F20,F04-OP1.1]
	[F04,F20-OS1.1]
	[F04,F20-OH5] Applies to portion of Code text: “Gaskets in flanged connections shall be of a material resistant to the liquid being carried …”

Table 4.12.1.1. *(continued)*
Objectives and Functional Statements Attributed to the Acceptable Solutions in Part 4
Forming Part of Sentence 4.12.1.1.(1)

Functional Statements and Objectives[1]	
4.5.5.6. Mechanical Connections	
(1)	(a) [F82-OS1.1] (b) [F80-OS1.1]
	(a) [F82-OP1.1] (b) [F80-OP1.1]
	(a) [F82-OH5] (b) [F80-OH5]
	(c) [F43,F44-OH5]
	(c) [F01,F43,F44-OS3.4]
	(c) [F01,F43,F44-OS1.1]
	(c) [F01,F43,F44-OP1.1]
4.5.5.7. Penetrations into Sumps	
(1)	[F43,F81-OH5]
	[F43,F81-OS3.4]
	[F01,F43-OS1.1]
	[F01,F43-OP1.1]
4.5.6.1. Construction	
(1)	[F43,F44-OH5]
	[F43,F44-OS3.4]
	[F01,F43,F44-OS1.1]
	[F01,F43,F44-OP1.1]
4.5.6.2. Location	
(1)	[F43-OS1.1]
	[F43-OP1.1]
(2)	[F43-OS1.1]
	[F43-OP1.1]
	[F43-OH5]
(3)	[F81-OS1.1]
	[F81-OP1.1]
	[F81-OH5]
4.5.6.3. Supports for Aboveground Outdoor Piping	
(1)	[F20,F22-OH5]
	[F20,F22-OP1.1]
	[F20,F22-OS1.1]
(2)	[F80-OS1.1]
	[F80-OH5]
	[F80-OP1.1]

Table 4.12.1.1. *(continued)*
Objectives and Functional Statements Attributed to the Acceptable Solutions in Part 4
Forming Part of Sentence 4.12.1.1.(1)

	Functional Statements and Objectives[1]
(3)	[F80,F82-OS1.1]
	[F80,F82-OP1.1]
	[F80,F82-OH5]
4.5.6.4. Arrangement of Aboveground Outdoor Piping	
(1)	(a) [F01-OS1.1,OS1.2]
	(a) [F01-OP1.1,OP1.2]
	(b) [F01,F04-OS1.1]
	(b) [F01,F04-OP1.1]
(2)	[F44-OS1.1] Applies to the requirement for impermeable construction.
	[F44-OP1.1] Applies to the requirement for impermeable construction.
	[F02-OP1.2] Applies to the requirement for noncombustible construction.
	[F02-OS1.2] Applies to the requirement for noncombustible construction.
(3)	[F81-OS1.1]
	[F81-OP1.1]
	[F81-OH5]
(4)	[F21,F04-OS1.1]
	[F04,F21-OP1.1]
	[F04,F21-OH5] Applies to designing to prevent excessive stress resulting from settlement.
4.5.6.5. Arrangement of Underground Piping	
(1)	[F81,F21-OS1.1]
	[F81,F21-OP1.1]
	[F81,F21-OH5]
(2)	[F81,F20-OS1.1]
	[F81,F20-OP1.1]
	[F81,F20-OH5]
(3)	[F81,F21-OH5]
	[F81,F21-OS1.1]
	[F81,F21-OP1.1]
(4)	[F81,F21-OH5]
	[F81,F21-OS1.1]
	[F81,F21-OP1.1]

Table 4.12.1.1. *(continued)*
Objectives and Functional Statements Attributed to the Acceptable Solutions in Part 4
Forming Part of Sentence 4.12.1.1.(1)

Functional Statements and Objectives[1]	
4.5.6.6. Installation of Underground Piping	
(1)	(a) [F20,F22-OH5]
	(a) [F20,F22-OS1.1]
	(a) [F20,F22-OP1.1]
	(b) [F21,F81,F20-OP1.1]
	(b) [F21,F81,F20-OH5]
	(b) [F21,F81,F20-OS1.1]
4.5.6.7. Piping in Service Tunnels	
(1)	[F43-OS1.1]
4.5.6.8. Piping at Entrances to Buildings	
(1)	[F82,F21-OS1.1]
	[F82,F21-OH5]
	[F82,F21-OP1.1]
(2)	[F44-OS1.1]
	[F44-OH5]
	[F44-OP1.1]
(3)	[F21-OS1.1]
	[F21-OH5]
	[F21-OP1.1]
4.5.6.9. Indoor Piping	
(1)	[F81-OS1.1] Applies to indoor piping being supported overhead or being located in trenches.
	[F81-OP1.1] Applies to the requirement for indoor piping to be supported overhead or located in trenches.
(2)	[F02-OS1.2] [F04-OS1.1]
	[F02-OP1.2] [F04-OP1.1]
(3)	[F02,F03-OS1.2]
	[F02,F03-OP1.2]
4.5.6.11. Overhead Piping	
(1)	[F81-OS1.1]
	[F81-OP1.1]
(2)	[F20-OS1.1]
	[F20-OP1.1]
(3)	[F20-OS1.1]
	[F20-OP1.1]
(4)	[F20-OS1.1]
	[F20-OP1.1]

Table 4.12.1.1. *(continued)*
Objectives and Functional Statements Attributed to the Acceptable Solutions in Part 4
Forming Part of Sentence 4.12.1.1.(1)

Functional Statements and Objectives[1]	
4.5.6.12. Supports for Overhead Piping	
(1)	[F20-OS1.1]
	[F20-OP1.1]
(2)	[F20-OS1.1]
	[F20-OP1.1]
4.5.6.13. Protection of Pipe Risers	
(1)	[F81-OS1.1]
	[F81-OP1.1]
4.5.6.14. Provision for Expansion and Contraction	
(1)	[F21-OP1.1]
	[F21-OH5]
	[F21-OS1.1]
(2)	[F20,F21,F81-OS1.1]
	[F20,F21,F81-OP1.1]
	[F20,F21,F81-OH5]
4.5.7.1. Design	
(1)	[F20,F81-OS1.1]
	[F20,F81-OH5]
	[F81,F20-OP1.1]
(2)	[F81,F20-OS1.1]
	[F81,F20-OH5]
	[F81,F20-OP1.1]
(3)	[F81,F20-OS1.1]
	[F81,F20-OH5]
	[F81,F20-OP1.3]
4.5.7.2. Shut-off Valves	
(1)	[F44-OS1.1]
	[F44-OH5]
	[F44-OP1.1]
(2)	[F44,F12-OS1.1]
	[F44,F12-OH5]
	[F44,F12-OP1.1]

Table 4.12.1.1. *(continued)*
Objectives and Functional Statements Attributed to the Acceptable Solutions in Part 4
Forming Part of Sentence 4.12.1.1.(1)

	Functional Statements and Objectives[1]
(3)	(a),(b),(c),(d),(e) [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.
	(a),(b),(c),(d),(e) [F12,F44-OH5] Applies to the requirement for shut-off valves.
	(a),(b),(c),(d),(e) [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)	[F81,F04,F20-OS1.1]
	[F81,F20-OH5]
	[F81,F04,F20-OP1.1]
4.5.7.3. Diaphragm Valves	
(1)	[F43-OS1.1]
	[F43-OP1.1]
4.5.7.4. Globe Valves	
(1)	[F20-OS1.1]
	[F20-OH5]
	[F20-OP1.1]
4.5.7.5. Indicating Valves	
(1)	[F12-OS1.1]
	[F12-OH5]
	[F12-OP1.1]
4.5.7.6. Identification	
(1)	[F12,F81-OS1.1]
	[F12-OH5]
	[F12,F81-OP1.1]
(2)	[F12,F81-OS1.1]
	[F12-OH5]
	[F12,F81-OP1.1]
4.5.8.1. Design	
(1)	[F01,F81,F20-OS1.1]
4.5.8.2. Steam Heating	
(1)	[F20,F81-OS1.1] Applies to the minimum steam temperature needed to make the liquid being used fluid.
	[F20,F81-OS1.1] Applies to the minimum steam pressure needed to make the liquid being used fluid.
	[F20,F81-OH5] Applies to the minimum steam pressure needed to make the liquid being used fluid.
	[F20,F81-OP1.1] Applies to the minimum steam temperature needed to make the liquid being used fluid.
	[F20,F81-OP1.1] Applies to the minimum steam pressure needed to make the liquid being used fluid.

Table 4.12.1.1. *(continued)*
Objectives and Functional Statements Attributed to the Acceptable Solutions in Part 4
Forming Part of Sentence 4.12.1.1.(1)

Functional Statements and Objectives[1]	
(2)	[F81,F20-OP1.1]
	[F81,F20-OH5]
	[F81,F20-OS1.1]
(3)	[F01,F81-OS1.1]
	[F01,F81-OP1.1]
4.5.8.4. Thermal Electrical Conduction Heating	
(2)	(a),(b),(c) [F01-OS1.1]
	(b) [F81,F20-OS1.1]
	(d) [F01-OS1.1]
	(b) [F81,F20-OP1.1]
(3)	[F82,F01,F20-OS1.1]
	[F82,F20-OP1.1]
4.5.8.5. Open Flames	
(1)	[F01-OS1.1]
4.5.9.1. Location of Outdoor Pumps	
(1)	(a) [F01-OP3.1]
	(b) [F01-OS1.1]
	(b) [F01-OP3.1]
	(a) [F01-OS1.1]
4.5.9.2. Pump Houses and Pump Rooms	
(2)	[F01-OS1.1] [F02-OS1.2]
	[F01-OP1.1] [F02-OP1.2]
4.5.9.3. Pits	
(1)	[F20,F81-OS1.1]
	[F20,F81-OH5]
(2)	[F01-OS1.1] [F02-OS1.2] Applies to the size of pits not being larger than required for inspection and maintenance.
	[F81-OS1.1] Applies to the requirement for the pits to be provided with a cover.
	[F01-OP1.1] [F02-OP1.2] Applies to the size of pits not being larger than required for inspection and maintenance.
4.5.9.4. Control Switches	
(1)	[F44-OS1.1] Applies to the requirement to have control switches to shut down the pumps in case of emergency.
	[F44-OP1.1] Applies to the requirement to have control switches to shut down the pumps in case of emergency.
	[F44-OH5] Applies to the requirement to have control switches to shut down the pumps in case of emergency.
	[F12-OP1.1] Applies to the requirement to locate one of the 2 control switches in the operating area and the other at a remote location.
	[F12-OH5] Applies to the requirement to locate one of the 2 control switches in the operating area and the other at a remote location.
	[F12-OS1.1] Applies to the requirement to locate one of the 2 control switches in the operating area and the other at a remote location.

Table 4.12.1.1. *(continued)*
Objectives and Functional Statements Attributed to the Acceptable Solutions in Part 4
Forming Part of Sentence 4.12.1.1.(1)

	Functional Statements and Objectives[1]
4.5.9.5. Hydraulic Transfer Systems	
(1)	[F81-OS1.1]
	[F81-OH5]
	[F81-OP1.1]
(2)	[F81,F20,F82-OS1.1]
	[F81,F20,F82-OH5]
	[F81,F82,F20-OP1.1]
(3)	[F81,F20-OS1.1]
	[F81,F20-OH5]
	[F81,F20-OP1.1]
(4)	[F81,F20-OS1.1]
	[F81,F20-OH5]
	[F81,F20-OP1.1]
(5)	[F81,F20-OS1.1]
	[F81,F20-OH5]
	[F81,F20-OP1.1]
(6)	[F81-OS1.1]
	[F81-OH5]
	[F81-OP1.1]
4.5.9.6. Inert Gas Transfer Systems	
(1)	[F81,F82,F20-OS1.1]
	[F81,F82,F20-OH5]
	[F81,F82,F20-OP1.1]
(2)	[F81,F20-OS1.1]
	[F81,F20-OH5]
	[F81,F20-OP1.1]
(3)	[F81,F20-OS1.1]
	[F81,F20-OH5]
	[F81,F20-OP1.1]
(4)	[F81,F04-OS1.1]
	[F81,F04-OH5]
	[F81,F04-OP1.1]
4.5.9.7. Non-Inert Gas Transfer	
(1)	[F01-OS1.1]
(2)	[F01-OS1.1]

Table 4.12.1.1. *(continued)*
Objectives and Functional Statements Attributed to the Acceptable Solutions in Part 4
Forming Part of Sentence 4.12.1.1.(1)

Functional Statements and Objectives[1]	
4.5.10.1. Procedures	
(1)	[F12-OS1.1]
	[F12-OH5]
	[F12-OP1.1]
4.5.10.2. Training	
(1)	(b) [F12-OS1.1]
	(b) [F12-OP1.1]
	(b) [F12-OH5]
	(c) [F12-OS1.2]
	(c) [F12-OP1.2]
	(d) [F12,F81-OS1.1]
	(d) [F12,F81-OP1.1]
	(d) [F12-OH5]
	(a) [F12-OS1.1]
	(a) [F12-OP1.1]
	(a) [F12-OH5]
(2)	[F12-OS1.2] Applies to the training of employees in the location, function and operation of valves used for the operation of fire protection equipment.
	[F12-OS1.1] Applies to the training of employees in the location, function and operation of valves used for the operation of manual emergency shut-off valves.
	[F12-OP1.2] Applies to the training of employees in the location, function and operation of valves used for the operation of fire protection equipment.
	[F12-OP1.1] Applies to the training of employees in the location, function and operation of valves used for the operation of the manual emergency shut-off valves.
	[F12-OH5] Applies to the training of employees in the location, function and operation of valves used for the operation of the manual emergency shut-off valves.
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]

Table 4.12.1.1. *(continued)*
Objectives and Functional Statements Attributed to the Acceptable Solutions in Part 4
Forming Part of Sentence 4.12.1.1.(1)

Functional Statements and Objectives[1]	
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]

Table 4.12.1.1. *(continued)*
Objectives and Functional Statements Attributed to the Acceptable Solutions in Part 4
Forming Part of Sentence 4.12.1.1.(1)

	Functional Statements and Objectives[1]
(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]
4.6.2.2. Containers	
(1)	[F81,F12-OS1.1] [F12-OS1.2] Applies to the requirement for products stored or sold at fuel-dispensing stations to be in closed containers distinctly marked with the generic name of the liquid they contain.
4.6.2.3. Piping	
(4)	[F20,F22-OS1.1] Applies to the supported portion of the piping.
	[F20,F21,F81-OS1.1] Applies to the backfilled portion of the piping.
	[F20,F22-OP1.1] Applies to the supported portion of the piping.
	[F20,F21,F81-OP1.1] Applies to the backfilled portion of the piping.
	[F20,F22-OH5] Applies to the supported portion of the piping.
	[F20,F21,F81-OH5] 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 building 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 buildings for the shelter of operating personnel and in which there are electrical installations.

Table 4.12.1.1. *(continued)*
Objectives and Functional Statements Attributed to the Acceptable Solutions in Part 4
Forming Part of Sentence 4.12.1.1.(1)

	Functional Statements and Objectives[1]
(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 British Columbia Building Code."
	(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 British Columbia Building Code."
(3)	[F01,F43-OS1.1]
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-OS1.1,OS1.2]
	[F12-OP1.1,OP1.2]
	[F12-OH5]

Table 4.12.1.1. *(continued)*
Objectives and Functional Statements Attributed to the Acceptable Solutions in Part 4
Forming Part of Sentence 4.12.1.1.(1)

Functional Statements and Objectives[1]	
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]
(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]

Table 4.12.1.1. *(continued)*
Objectives and Functional Statements Attributed to the Acceptable Solutions in Part 4
Forming Part of Sentence 4.12.1.1.(1)

Functional Statements and Objectives[1]	
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]
4.6.6.4. Pump Location	
(1)	(a) [F01-OP3.1]
	(b) [F01-OP3.1]
	(a) [F01-OS1.1]
	(b) [F01-OS1.1]
4.6.6.5. Marine Fuel-Dispensing Stations	
(1)	[F81,F12,F20,F22-OS1.1]
	[F81,F12,F20,F22-OP1.1]
	[F81,F12,F20,F22-OH5]
(2)	[F44,F02-OS1.1]
	[F44,F02-OP1.1]
	[F44-OH5]
(3)	[F22-OS1.1]
	[F22-OP1.1]
	[F22-OH5]
(5)	[F81,F43-OS1.1]
	[F81,F43-OP1.1]
	[F81,F43-OH5]
(6)	[F43,F01-OP1.1] Applies where dispensing is from a floating structure.
	[F43-OH5] Applies where dispensing is from a floating structure.
	[F43,F01-OS1.1] Applies where dispensing is from a floating structure.

Table 4.12.1.1. *(continued)*
Objectives and Functional Statements Attributed to the Acceptable Solutions in Part 4
Forming Part of Sentence 4.12.1.1.(1)

Functional Statements and Objectives[1]	
4.6.7.1. Spill Control	
(1)	(b) [F44-OS1.1,OS1.2]
	(b) [F44-OP1.1,OP1.2]
	(b) [F44-OH5]
4.6.8.1. Attendants	
(1)	[F43,F01,F44-OS1.1]
	[F43,F44,F01-OP1.1]
	[F43,F44-OH5]
(2)	[F43,F01,F34-OS1.1]
	[F43,F34-OH5]
	[F43,F01,F34-OP1.1]
(3)	[F43-OH5]
	[F43,F01-OS1.1]
	[F43,F01-OP1.1]
(4)	[F81-OS1.1]
	[F81-OH5]
	[F81-OP1.1]
4.6.8.2. Self-service Outlets	
(1)	[F81-OS1.1]
	[F81-OP1.1]
	[F81-OH5]
(2)	[F43,F44,F12,F01-OS1.1]
	[F43,F44,F12,F01-OH5]
	[F43,F44,F12,F01-OP1.1]
(3)	[F44-OS1.1,OS1.2]
	[F44-OH5]
	[F44-OP1.1,OP1.2]
(4)	[F43,F44,F01-OS1.1]
	[F43,F44,F01-OP1.1]
	[F43,F44-OH5]
(5)	[F43,F44,F12,F01-OS1.1]
	[F43,F44,F12,F01-OP1.1]
	[F43,F44,F12-OH5]
4.6.8.3. Special Dispensers	
(1)	[F12,F44,F01-OS1.1]
	[F12,F44-OH5]
	[F12,F44,F01-OP1.1]

Table 4.12.1.1. *(continued)*
Objectives and Functional Statements Attributed to the Acceptable Solutions in Part 4
Forming Part of Sentence 4.12.1.1.(1)

	Functional Statements and Objectives[1]
4.6.8.4. Card- or Key-Activated Dispensers	
(3)	[F34-OH5]
	[F34-OS1.1]
	[F34-OP1.1]
(4)	[F81-OS1.1]
	[F81-OH5]
	[F81-OP1.1]
(5)	[F13-OS1.1,OS1.2]
	[F13-OH5]
	[F13-OP1.1,OP1.2]
(6)	(a) [F12-OS1.1,OS1.2] Applies to the requirement that the emergency instructions be conspicuously posted to advise the user, in the event of a spill or accident.
	(b) [F13-OH5]
	(b) [F13-OP1.1,OP1.2]
	(a) [F12-OP1.1,OP1.2] Applies to the requirement that the emergency instructions be conspicuously posted to advise the user, in the event of a spill or accident.
	(a) [F12-OH5] Applies to the requirement that the emergency instructions be conspicuously posted to advise the user, in the event of a spill or accident.
	(b) [F13-OS1.1,OS1.2]
4.6.8.5. Duties of Attendants	
(1)	(d) [F01-OS1.1]
	(e) [F01-OS1.1]
	(a),(b),(c) [F44-OP1.1,OP1.2]
	(f) [F44-OS1.1,OS1.2]
	(a),(b),(c) [F44-OS1.1,OS1.2]
	(e) [F01-OP1.1]
	(a),(b),(c) [F44-OH5]
	(f) [F44-OP1.1,OP1.2]
	(f) [F44-OH5]
	(c) [F01,F44-OS1.1] Applies to containers that are located in a vehicle.
(2)	(b) [F43-OS1.1] Applies to containers not being filled beyond their safe filling level.
	(a) [F44,F01-OS1.1] (b) [F44,F01-OS1.1] Applies to containers being filled only after having been removed from the floatplane or watercraft.
	(b) [F43-OH5] Applies to containers not being filled beyond their safe filling level.
	(b) [F44-OS1.1] Applies to the removal of containers from watercraft or floatplanes.
(3)	[F12-OS1.1,OS1.2]

Table 4.12.1.1. *(continued)*
Objectives and Functional Statements Attributed to the Acceptable Solutions in Part 4
Forming Part of Sentence 4.12.1.1.(1)

Functional Statements and Objectives[1]	
4.6.8.6. Fuel-Dispensing Procedures	
(1)	[F01-OS1.1]
(2)	[F01-OS1.1]
(3)	[F01,F43,F44,F81-OS1.1]
(4)	(c) [F44-OS1.1] Applies to the requirement to immediately apply an absorbent material.
	(c) [F44-OH5] Applies to the requirement to immediately apply an absorbent material.
	(d) [F01-OS1.1]
	(a),(b),(e) [F43-OS1.1]
	(c) [F44-OP1.1] Applies to the requirement to immediately apply an absorbent material.
	(a),(b),(e) [F43-OH5]
	(f) [F01,F44-OS1.1]
4.6.8.7. Sources of Ignition	
(1)	[F01-OS1.1]
4.6.8.8. Signs	
(1)	[F01-OS1.1] Applies to portion of Code text: "At least one … sign … shall be provided for each dispenser in a location visible to every driver approaching the dispenser."
	[F80-OS1.1] Applies to the portion of Code text: "… At least one weather-resistant sign …"
(2)	[F01-OS1.1]
(3)	[F01-OS1.1]
(4)	[F01-OS1.1]
4.6.9.1. Portable Extinguishers	
(1)	[F12,F02-OP1.2]
	[F12,F02-OS1.2]
4.7.2.2. Storage Tanks	
(1)	[F03-OP1.2]
	[F22,F21,F81-OH5]
	[F03-OP3.1]
	[F22,F21,F81-OS1.1] [F03-OS1.2]
4.7.2.3. Hydraulic Pressure Shock	
(1)	[F20,F82-OH5]
	[F20,F82-OP1.1]
	[F20,F82-OS1.1]
4.7.3.1. Interconnection	
(1)	[F01-OS1.1]

Table 4.12.1.1. *(continued)*
Objectives and Functional Statements Attributed to the Acceptable Solutions in Part 4
Forming Part of Sentence 4.12.1.1.(1)

Functional Statements and Objectives[1]	
4.7.3.2. Dispensing into Vehicles	
(1)	[F34-OS1.1]
	[F34-OH5]
(2)	(a) [F81,F43-OS1.1]
	(a) [F81,F43-OP1.1]
	(a) [F81,F43-OH5]
4.7.4.1. Clearances	
(1)	[F01-OS1.1] [F03-OS1.2]
	[F01,F03-OP3.1]
	[F03-OP1.2]
(2)	[F03-OP1.2]
	[F22,F21,F81-OS1.1] [F03-OS1.2]
	[F03-OP3.1]
	[F21,F22,F81-OH5]
4.7.4.2. Multi-purpose Facilities	
(1)	[F01-OS1.1]
4.7.4.3. Check Valves	
(1)	[F43-OH5]
	[F43-OS1.1]
(2)	[F43,F82-OS1.1]
	[F43,F82-OH5]
4.7.4.4. Control Valves	
(1)	[F43-OH5]
	[F43-OS1.1]
(2)	[F43,F81-OS1.1]
	[F43,F81-OH5]
4.7.4.5. Bonding and Grounding	
(1)	[F01-OS1.1]
(2)	[F01-OS1.1]
(3)	[F01-OS1.1]
(4)	[F01-OS1.1]
(5)	[F01-OS1.1]
4.7.4.6. Downspouts	
(1)	[F01-OS1.1]
4.7.5.1. Portable Extinguishers	
(1)	[F02,F12-OS1.2]
	[F02,F12-OP1.2]

Table 4.12.1.1. *(continued)*
Objectives and Functional Statements Attributed to the Acceptable Solutions in Part 4
Forming Part of Sentence 4.12.1.1.(1)

Functional Statements and Objectives[1]	
4.8.2.1. Clearances	
(1)	[F03-OP3.1]
	[F03-OS1.2]
(2)	[F03-OS1.2]
	[F03-OP3.1]
4.8.2.2. Construction	
(1)	[F20,F04,F80-OH5]
	[F20,F04,F80-OS1.1]
	[F20,F04,F80-OP1.1]
4.8.3.1. Installation	
(1)	[F04,F20-OS1.1] Applies to portion of Code text: “Except as permitted in Sentences (2) and (3), storage tanks shall be installed on shore …”
	[F04,F20-OH5] Applies to portion of Code text: “Except as permitted in Sentences (2) and (3), storage tanks shall be installed on shore …”
(2)	[F04,F43,F20-OS1.1]
	[F04,F20,F43-OH5]
(3)	[F20,F43,F04-OS1.1]
	[F20,F43,F04-OH5]
4.8.4.2. Pipe Supports	
(1)	[F20,F22-OS1.1]
	[F20,F22-OH5]
	[F20,F22-OP1.1]
(2)	[F02-OS1.2]
	[F02-OP1.2]
	[F02-OH5]
(3)	[F04-OS1.2]
	[F04-OH5]
	[F04-OP1.2]
4.8.4.3. Guards	
(1)	[F81-OS1.1]
	[F81-OP1.1]
	[F81-OH5]
4.8.4.4. Flexible Connections	
(1)	[F21-OS1.1]
	[F21-OP1.1]
	[F21-OH5]

Table 4.12.1.1. *(continued)*
Objectives and Functional Statements Attributed to the Acceptable Solutions in Part 4
Forming Part of Sentence 4.12.1.1.(1)

Functional Statements and Objectives[1]	
4.8.4.5. Shut-off Valves	
(1)	[F12,F44-OS1.1,OS1.2]
	[F12,F44-OP1.1,OP1.2]
	[F12,F44-OH5]
4.8.4.6. Access Openings for Inspection	
(1)	[F12-OS1.2,OS1.1] [F82-OS1.1]
	[F12-OP1.1,OP1.2] [F82-OP1.1]
	[F12,F82-OH5]
(2)	[F12-OS1.1,OS1.2] [F82-OS1.1]
	[F12-OP1.1,OP1.2] [F82-OP1.1]
	[F12,F82-OH5]
4.8.4.7. Identification	
(1)	[F81-OS1.1] [F12-OS1.2,OS1.1]
	[F81-OP1.1] [F12-OP1.1,OP1.2]
	[F12-OH5]
4.8.4.8. Leakage Testing	
(2)	[F82-OS1.1]
	[F82-OP1.1]
	[F82-OH5]
4.8.5.1. Bonding and Grounding	
(1)	[F01-OS1.1]
(2)	[F01-OS1.1]
4.8.6.1. Portable Extinguishers	
(1)	[F12,F02-OS1.2] Applies to the requirement for portable extinguishers with a rated capacity.
	[F12,F02-OP1.2] Applies to the requirement for portable extinguishers with a rated capacity.
(2)	[F12-OS1.2] Applies to the placement and accessibility of portable extinguishers.
	[F34-OS1.2] Applies to the placement of portable extinguishers so they are not accessible to the public.
	[F12-OP1.2] Applies to the placement and accessibility of portable extinguishers.
	[F34-OP1.2] Applies to the placement of portable extinguishers so they are not accessible to the public.
(3)	[F12,F02-OS1.2]
	[F12,F02-OP1.2]
4.8.6.2. Training	
(1)	[F12,F13-OS1.2]
	[F12,F13-OP1.2]

Table 4.12.1.1. *(continued)*
Objectives and Functional Statements Attributed to the Acceptable Solutions in Part 4
Forming Part of Sentence 4.12.1.1.(1)

Functional Statements and Objectives[1]	
4.8.7.1. Location	
(1)	[F01,F81-OS1.1]
	[F01,F81-OP1.1]
	[F01,F81-OH5]
(2)	[F34-OS1.1]
	[F34-OP1.1]
	[F34-OH5]
4.8.7.2. Leakage and Spill Control	
(2)	[F43-OS1.1]
	[F43-OH5]
4.8.7.3. Hose Connections	
(1)	[F22,F43-OS1.1] Applies to portion of Code text: "Except as provided in Sentence (2), hose connections on piping shall be of the bolted flange type …"
	[F22,F43-OP1.1] Applies to portion of Code text: "Except as provided in Sentence (2), hose connections on piping shall be of the bolted flange type …"
	[F44-OP1.1,OP1.2] Applies to the requirement for shut-off valves.
	[F44-OH5] Applies to the requirement for shut-off valves.
	[F22,F43-OH5] Applies to portion of Code text: "Except as provided in Sentence (2), hose connections on piping shall be of the bolted flange type …"
	[F44-OS1.1,OS1.2] Applies to the requirement for shut-off valves.
(2)	[F22,F43-OS1.1]
	[F22,F43-OP1.1]
	[F22,F43-OH5]
(3)	[F81-OH5]
	[F81-OP1.1]
	[F81-OS1.1]
4.8.8.1. Cargo Hose	
(1)	[F81,F20,F22-OS1.1]
	[F81,F20,F22-OP1.1]
	[F81,F20,F22-OH5]
4.8.8.2. Maintenance and Testing	
(1)	[F82-OS1.1]
	[F82-OP1.1]
	[F82-OH5]
4.8.8.3. Supports	
(1)	[F20,F22-OS1.1]
	[F20,F22-OP1.1]
	[F20,F22-OH5]

Table 4.12.1.1. *(continued)*
Objectives and Functional Statements Attributed to the Acceptable Solutions in Part 4
Forming Part of Sentence 4.12.1.1.(1)

Functional Statements and Objectives[1]	
4.8.9.1. Pressure Relief	
(1)	[F20,F81-OS1.1]
	[F20,F81-OP1.1]
	[F20,F81-OH5]
4.8.9.2. Location	
(1)	(b) [F01,F03-OS1.1,OS1.2]
	(a) [F02-OP1.2]
	(a) [F02-OS1.2]
	(b) [F03,F01-OP3.1]
(2)	[F44,F02,F03,F01-OS1.1,OS1.2]
	[F44,F02,F03-OP3.1]
4.8.10.1. Construction	
(1)	[F02-OS1.2] Applies to portion of Code text: “Pump houses shall be of noncombustible construction …”
	[F02-OP3.1] Applies to portion of Code text: “Pump houses shall be of noncombustible construction …”
	[F44-OP3.1] Applies to the construction of the floors.
	[F44-OH5] Applies to the construction of the floors.
	[F44-OS1.1] Applies to the construction of the floors.
4.8.11.1. Supervision	
(1)	[F44,F12,F43,F01-OS1.1,OS1.2]
	[F44,F43,F12-OH5]
	[F44,F12-OP1.1,OP1.2]
(2)	[F43,F44,F12-OS1.1]
	[F43,F44,F12-OP1.1]
	[F43,F44,F12-OH5]
(3)	(c) [F44-OH5] Applies to portion of Code text: “… if leakage occurs, stop the operations.”
	(a) [F01-OS1.1]
	(b) [F43-OS1.1] (c) [F43-OS1.1] Applies to portion of Code text: “… inspect the hose and connections for leakage …”
	(b) [F43-OH5] (c) [F43-OH5] Applies to portion of Code text: “… inspect the hose and connections for leakage …”
	(c) [F44-OS1.1] Applies to portion of Code text: “… if leakage occurs, stop the operations.”
	(c) [F44-OP1.1] Applies to portion of Code text: “… if leakage occurs, stop the operations.”
4.8.11.2. Bonding and Grounding	
(1)	[F01-OS1.1]
(2)	[F01-OS1.1]

Table 4.12.1.1. *(continued)*
Objectives and Functional Statements Attributed to the Acceptable Solutions in Part 4
Forming Part of Sentence 4.12.1.1.(1)

Functional Statements and Objectives[1]	
4.8.11.3. Equipment	
(1)	[F21-OS1.1]
	[F21-OP1.1]
	[F21-OH5]
(2)	[F43-OS1.1]
	[F43-OH5]
	[F43-OP1.1]
(3)	[F43-OS1.1]
	[F43-OH5]
	[F43-OP1.1]
(4)	[F44-OS1.1]
	[F44-OH5]
	[F44-OP1.1]
4.8.11.4. Spill Control	
(1)	[F43-OS1.1]
	[F43-OH5]
(2)	[F43-OS1.1]
	[F43-OH5]
4.9.2.1. Location	
(2)	[F03-OS1.2]
	[F03-OP3.1]
(3)	[F03-OS1.2]
	[F03-OP3.1]
(4)	[F03-OS1.2]
	[F03-OP3.1]
4.9.3.1. Explosion Venting	
(1)	[F02-OS1.3]
	[F02-OP1.3]
	[F02-OP3.1]
4.9.3.3. Basements and Pits	
(1)	[F01-OS1.1]
4.9.3.4. Ventilation	
(1)	[F01-OS1.1]

Table 4.12.1.1. *(continued)*
Objectives and Functional Statements Attributed to the Acceptable Solutions in Part 4
Forming Part of Sentence 4.12.1.1.(1)

Functional Statements and Objectives[1]	
4.9.4.1. Spill and Vapour Control	
(1)	(a) [F43,F01-OS1.1]
	(b) [F44-OH5]
	(b) [F44-OP1.1]
	(a) [F43-OH5]
	(b) [F44-OS1.1]
4.9.4.2. Explosion Protection	
(1)	[F01-OS1.1] [F02-OS1.3]
	(a),(b) [F02-OS1.2]
	(a),(b) [F02-OP1.3]
	[F02-OP1.3]
	(c) [F01-OS1.1]
4.9.4.3. Fire Protection	
(3)	[F03,F12-OS1.2]
	[F03,F12-OP1.2]
4.10.3.1. Design, Fabrication and Testing	
(1)	[F20,F80,F43-OH5]
	[F20,F80,F43,F01-OS1.1]
4.10.3.2. Supports, Foundations and Anchorage	
(1)	[F02,F04-OS1.2] Applies to the use of timber supports.
(2)	[F02-OS1.2] Applies to supports having less than a 2 h fire-resistance rating being protected by an automatic fire suppression system.
(3)	[F02-OS1.2] Applies to the protection of the area underneath any storage tank that is greater than 1.2 m in diameter.
4.10.3.3. Storage Tank Vents	
(1)	[F81,F20,F04,F01-OS1.1]
	[F81,F20,F04-OH5]
4.10.4.1. Storage Tanks, Drums and Barrels	
(1)	[F02-OS1.2]
	[F02-OP1.2]
4.10.5.1. Design and Installation	
(1)	[F20,F80-OS1.1]
	[F20,F80-OH5]
	[F20,F80-OP1.1]
4.10.6.1. Ventilation	
(1)	[F01-OS1.1]
4.10.7.1. Spill Control	
(1)	[F44-OS1.1,OS1.2]
	[F44-OH5]

Table 4.12.1.1. *(continued)*
Objectives and Functional Statements Attributed to the Acceptable Solutions in Part 4
Forming Part of Sentence 4.12.1.1.(1)

Functional Statements and Objectives[1]	
4.10.8.1. Portable Extinguishers	
(1)	[F12,F02-OS1.2]
	[F12,F02-OP1.2]
(2)	[F12,F02-OS1.2]
	[F12,F02-OP1.2]
(3)	[F12,F02-OS1.2]
	[F12,F02-OP1.2]
4.10.8.2. Standpipe and Hose Systems	
(1)	[F12,F02-OS1.2]
	[F12,F02-OP1.2]
(2)	[F02-OS1.2]
	[F02-OP1.2]
4.11.2.1. Portable Extinguishers	
(1)	[F02,F12-OS1.1]
	[F02,F12-OP1.2]
(2)	[F12-OS1.2]
	[F12-OP1.2]
4.11.2.3. Parking inside Buildings	
(1)	(a) [F01,F44-OS1.1] (a) [F02,F03-OS1.2]
	(a) [F01,F44-OP1.1] (a) [F02,F03-OP1.2]
	(a) [F44-OH5]
	(b) [F43,F01-OS1.1]
	(c) [F43,F01-OS1.1]
4.11.2.4. Parking outside Buildings	
(1)	[F81,F34-OS1.1] [F02-OS1.2]
	[F02-OP3.1]
(2)	[F81-OS1.1] [F03-OS1.2]
	[F81,F03-OP3.1]
4.11.3.2. Ignition Sources	
(1)	[F01-OS1.1]
	[F20,F81-OS1.1]
4.11.3.3. Static Electric Charges	
(1)	[F01-OS1.1]

Table 4.12.1.1. *(continued)*
Objectives and Functional Statements Attributed to the Acceptable Solutions in Part 4
Forming Part of Sentence 4.12.1.1.(1)

Functional Statements and Objectives[1]	
4.11.3.4. Supervision	
(1)	[F44-OS1.1,OS1.2]
	[F44-OH5]
	[F44-OP1.1,OP1.2]
4.11.3.5. Multi-use Compartments	
(1)	[F01-OS1.1]
4.11.3.6. Engine	
(1)	[F01-OS1.1]
4.11.3.7. Unloading	
(1)	[F43-OS1.1]
	[F43-OH5]
(2)	[F81,F20,F43-OS1.1]
	[F81,F20,F43-OH5]
(3)	[F81,F01,F02-OS1.1]
4.11.3.8. Dispensing into Vehicles	
(1)	[F01,F43-OS1.1]
	[F43,F01-OP1.1]
	[F43-OH5]
(2)	(a) [F01-OS1.1] (a) [F03-OS1.2]
	(a) [F01,F03-OP3.1]
	(b) [F02,F12-OS1.2]
	(d) [F43,F44-OS1.1]
	(e) [F44-OS1.1]
	(e) [F44-OH5]

Notes to Table 4.12.1.1.:
(1) See Parts 2 and 3 of Division A.