Second Revision No. 5-NFPA 96-2022 [Global Comment]

Please see attached for NFPA 58 extract updates for NFPA 96

Supplemental Information

File Name	Description	Approved
NFPA_96_SR-5.docx		
96_Global_SR-5_For_Ballot.pdf		

Submitter Information Verification

Committee: VEN-AAA
Submittal Date: Mon Sep 19 14:04:03 EDT 2022

Committee Statement

Committee Statement: NFPA 58 extracts have been updated.
Response Message: SR-5-NFPA 96-2022

17.5.4
Appliances shall be located ~~so~~such that a fire at any appliance will not block egress of persons from the vehicle. [**58:**16.7.8]

17.8.3.3
Cylinder connections shall be tested for leakage with a noncorrosive leak-detecting fluid or other approved leak detection method each time ~~the~~a cylinder(s) is replaced. [**58:**~~16.12.5~~16.11.5]

17.8.3.4
LP-Gas ~~leak detection~~piping system leak testing shall be documented. [**58:**~~16.12.3~~16.11.3]

17.8.3.4.1
Documentation shall be held in the mobile ~~or temporary unit~~food facility and made available to the AHJ upon request. [**58:**~~16.12.3.1~~16.11.3.1]

17.8.4.4
ASME containers and DOT cylinders shall be installed either on the outside of the vehicle or in a recess or vented cabinet. [**58:**16.3.2]

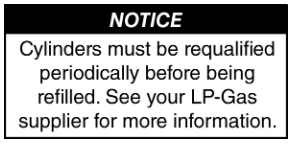
17.8.4.4.3*
~~The label in Figure 17.8.4.4.3 shall be located in all cylinder cabinets, with the word "NOTICE" in white Arial italic font **1**/**2** in. (13 mm) high or larger on a black or Pantone 285 C background, and all other text in black Arial font **1**/**4** in. (6 mm) high or larger on a white background. [**58:**16.3.2.3(A)]~~The label in Figure 17.8.4.4.3 shall be located in all cylinder cabinets and comply with the following specifications:

(1) The word "NOTICE" shall be in white Arial Italics font, at least 1/2 in. (13 mm) in height, on a black Pantone 285 C background.

(2) All other text shall be in black Arial font, at least 1/4 in. (6 mm) in height, on a white background.

[**58:**16.3.2.3(A)]

Figure 17.8.4.4.3 Cylinder Cabinet Label. [58:Figure 16.3.2.3(A)]



17.8.4.6 Cylinders Between 4 lb (1.8 kg) and 40 lb (18 kg).

17.8.4.6.1
Cylinders with an LP-Gas capacity between 4 lb (1.8 kg) and 40 lb (18 kg) shall be equipped with a CGA ~~connection number~~ 791~~,~~ or CGA ~~connection number~~ 810 ~~outlet~~ connection. [**58:**16.4.1.1]

17.8.4.6.3
Once installed, ~~Cylinders~~cylinders~~once installed~~ shall have permanent protection for cylinder valves and connections. [**58:**16.4.1.3]

17.8.6 Installation of ASME Containers.

17.8.6.1
~~ASME containers~~Containers shall be installed in mobile food ~~trucks~~facilities in accordance with 11.8.1 and 11.8.2 of NFPA 58. [**58:**~~16.4.2.1~~16.4.3]

17.8.6.2*
Field welding on ASME containers shall be limited to attachments to nonpressure parts applied by the container manufacturer. [**58:**~~16.4.2.2~~16.4.2.1]

17.8.7 Pressure Regulator Requirements.

17.8.7.1
Pressure regulators shall comply with UL 144, LP-Gas Regulators. [**58:**16.6.11.1]

17.8.8.3
If ~~vehicle-mounted~~ regulators are installed at or below ~~the~~ floor level, they shall be installed in a compartment that provides protection against ~~the~~ weather and wheel spray. [**58:**16.6.11.4.3]

17.8.10.1.5
The ~~fixed~~ piping system shall be designed, installed, supported, and secured to minimize ~~the possibility of~~physical damage due to vibration, strains, or wear and to preclude any loosening while in transit. [**58:**16.6.7.5]

17.8.10.1.6
Piping shall be installed in a protected location in accordance with the following:

(1) Piping shall be located to minimize physical damage by vehicles. [**58:**16.6.9.1]

(2) Piping, tubing, and ~~hoses~~hose shall be installed ~~in a manner~~such that ~~protects~~they are ~~them~~protected from damage due to accidental contact with stationary objects; impact from stones, mud, or ice; or a vehicular accident. [**58:**16.6.9.2]

(3) The portion of piping in contact with a support or a corrosion-causing substance shall be protected against corrosion. [**58:**16.6.9.3]

(4) Metallic piping shall be either of the following:

(1) Fabricated from a corrosion-resistant material

(2) Coated or protected to minimize corrosion where installed outdoors [**58:**16.6.9.4]

(5) Piping installed outside or underneath a motorized vehicle shall be ~~one~~either of the following: ~~[**58:**16.6.9.5]~~

(a) Schedule 80 pipe ~~[**58:**16.6.9.5]~~

(b) Tubing installed inside a protective conduit or a listed encasement system [**58:**16.6.9.5]

(c) ~~Of a corrosion-resistant material~~

(d) ~~Coated or protected to minimize corrosion where installed outdoors [**58:**16.6.9.4]~~

(6) Fastening or other form of protection shall be installed to prevent damage due to vibration or abrasion. [**58:**16.6.7.8]
(7) At each point where piping passes through sheet metal or a structural member, a rubber grommet or equivalent protection shall be installed to prevent chafing. [**58:**16.6.9.6]

17.8.10.1.9
Hydrostatic relief valves shall be installed in isolated sections of liquid piping ~~in accordance with~~as provided in Section 6.16~~16.6.10~~ of NFPA 58. [**58:**6.27.5.1(~~M~~L)]

17.8.10.1.10
Piping systems, including hose, shall be ~~pressure tested and~~ proven free of leaks in accordance with ~~16.6.10~~Section 6.17of NFPA 58. [**58:**6.27.5.1(M)]

17.8.10.1.12
Where ~~the~~a piping system is designed to allow for the removal of condensed LP-Gas before it can enter the appliance, a valve and cap shall be provided. [**58:**16.6.7.2]

17.8.10.1.16
All piping shall be supported to ensure ~~the~~its integrity ~~of the piping~~ and be secured in place at intervals of not more than 4 ft (1.2 m). [**58:**16.6.7.7]

17.8.10.1.18
All welding and brazing of metallic piping shall be in accordance with Section IX of ~~ASME~~ASME's*Boiler and Pressure Vessel Code*. [**58:**16.6.7.10]

17.8.10.3.2
Gas piping shall be sized in accordance with the following:

(1) ~~Piping sizing~~ Table 16.6.6.2(a) through Table 16.6.6.2(d) of NFPA 58~~.~~

(2) Engineering methods

(3) Sizing tables included in a listed piping system manufacturer's installation instructions

[**58:**16.6.6.2]

17.12.2
The ~~LP-Gas~~fuel system shall be ~~leak-free, and the LP-Gas container(s) shall not be filled beyond the limits specified in Chapter 7 of NFPA 58.[**58:**16.9.3]~~free of leaks. [**58:**16.9.3]

Second Revision No. 1-NFPA 96-2022 [Section No. 2.2]

2.2 NFPA Publications.

National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02169-7471.

NFPA 10, *Standard for Portable Fire Extinguishers,* 2022 edition.

NFPA 12, *Standard on Carbon Dioxide Extinguishing Systems,* 2022 edition.

NFPA 13, *Standard for the Installation of Sprinkler Systems,* 2022 edition.

NFPA 17, *Standard for Dry Chemical Extinguishing Systems,* 2024 edition.

NFPA 17A, *Standard for Wet Chemical Extinguishing Systems,* 2024 edition.

NFPA 54, *National Fuel Gas Code,* 2024 edition.

NFPA 58, *Liquefied Petroleum Gas Code,* 2023 edition.

NFPA 70®, *National Electrical Code®,* 2023 edition.

NFPA 72®, *National Fire Alarm and Signaling Code®,* 2022 edition.

NFPA 80, *Standard for Fire Doors and Other Opening Protectives,* 2022 edition.

NFPA 102, *Standard for Grandstands, Folding and Telescopic Seating, Tents, and Membrane Structures,* 2021 edition.

NFPA 211, *Standard for Chimneys, Fireplaces, Vents, and Solid Fuel–Burning Appliances,* 2024 edition.

NFPA 259, *Standard Test Method for Potential Heat of Building Materials,* 2023 edition.

NFPA 750, *Standard on Water Mist Fire Protection Systems,* 2023 edition.

NFPA 770, *Standard on Hybrid (Water and Inert Gas) Fire-Extinguishing Systems* , 2021 edition.

NFPA 1192, *Standard on Recreational Vehicles,* 2021 edition.

Submitter Information Verification

Committee: VEN-AAA

Submittal Date: Thu Sep 15 11:25:23 EDT 2022

Committee Statement

Committee Statement: Include NFPA 770 in chapter 2.

Response Message: SR-1-NFPA 96-2022

Public Comment No. 9-NFPA 96-2022 [Section No. 2.2]

Second Revision No. 7-NFPA 96-2022 [Sections 2.3.3, 2.3.4]

2.3.3 UL Publications.

Underwriters Laboratories Inc., 333 Pfingsten Road, Northbrook, IL 60062-2096.

UL 144, *Standard for Safety LP-Gas Regulators, 2021* .

UL 197, *Commercial Electric Cooking Appliances*, 2010, revised 2020.

~~UL199, *Automatic Sprinklers for Fire-Protection Service* ,.~~

~~UL 199B, *Outline of Investigation for Automatic Sprinkler Systems Used for Protection of Commercial Cooking Equipment* , 2015.~~

~~UL 199E, *Outline of Investigation for Fire Testing of Sprinklers and Water Spray Nozzles for Protection of Deep Fat Fryers* , 2004.~~

UL 263, *Fire Tests of Building Construction and Materials*, ~~2018.~~ 2011, revised 2022 .

ANSI/ CAN/UL/ULC 300, *Fire Testing of Fire Extinguishing Systems for Protection of Commercial Cooking Equipment*, ~~2005, revised 2019~~ 2022 .

UL 705, *Power Ventilators*, 2017.

UL 710, *Exhaust Hoods for Commercial Cooking Equipment*, 2012, revised ~~2020~~ 2021 .

UL 710A, *Safety for Rooftop Grease and Oil Collection and Containment Systems*, 2006.

UL 710B, *Recirculating Systems*, 2011, revised ~~2018~~ 2021 .

~~UL 710C, *Outline of Investigation for Ultraviolet Radiation Systems for Use in the Ventilation Control of Commercial Cooking Operations* , 2006.~~

UL 723, *Test for Surface Burning Characteristics of Building Materials*, ~~2018~~ 2022 .

UL 762, *Outline of Investigation for Power Roof Ventilators for Restaurant Exhaust Appliances*, 2013.

UL 1046, *Grease Filters for Exhaust Ducts*, 2010, revised ~~2017~~ 2022 .

UL 1479, *Fire Tests of Through-Penetration Firestops*, 2015, revised 2021.

UL 1484, *Residential Gas Detectors*, 2016, revised ~~2017~~ 2022 .

UL 1978, *Grease Ducts*, 2010, revised ~~2017~~ 2021 .

UL 2221, *Tests of Fire Resistive Grease Duct Enclosure Assemblies*, 2010.

UL 8782, *Outline of Investigation for Pollution Control Units for Commercial Cooking Operations*, 2017.

2.3.4 ULC Publications.

~~ULC Standards, 171 Nepean Street, Suite 400, Ottawa, Ontario K2P 0B4.~~ Underwriters Laboratories of Canada, 7 Underwriters Road, Toronto, ON M1R 3A9, Canada.

CAN/ULC-S645, *Standard for Power Roof Ventilators for Commercial and Institutional Kitchen Exhaust Systems,* R2021.

CAN/ULC-S646, *Standard for Exhaust Hoods and Related Controls for Commercial and Institutional Cooking Equipment,* R2021.

CAN/ULC-S649, *Standard for Grease Filters for Commercial and Institutional Kitchen Exhaust Fans,* R2021.

CAN/ULC-S662, *Standard for Factory-Built Grease Ducts,* R2021.

Submitter Information Verification

Committee: VEN-AAA
Submittal Date: Mon Sep 19 14:41:49 EDT 2022

Committee Statement

Committee Statement: UL publication year updates.
Response Message: SR-7-NFPA 96-2022

Second Revision No. 6-NFPA 96-2022 [Section No. 4.1.5]

4.1.5 Responsibility.

~~The responsibility for inspection, testing, maintenance, and cleanliness of the ventilation control and fire protection of the commercial cooking operations, including cooking appliances, shall ultimately be that of the owner of the system, provided that this responsibility has not been transferred in written form to a management company, tenant, or other party.~~

4.1.5.1*

The responsibility for inspection, testing, maintenance, and cleanliness of the ventilation control, ~~and~~ fire protection, and cooking appliances of the commercial cooking operations~~, including cooking appliances,~~ shall ~~ultimately~~ be that of the equipment owner ~~of the system, provided that this responsibility has not been transferred in written form to a management company, tenant, or other party~~ .

A.4.1.5.1

Inspection of exhaust systems for compliance with the design, fabrication, and installation requirements of this standard, including the hood, duct, fan, auxiliary equipment, and clearance to combustible construction, should be performed by properly trained and qualified persons familiar with the commercial kitchen exhaust system design and installation requirements of this standard and acceptable to the authority having jurisdiction (AHJ). Inspection of existing installations should occur when changes in ownership, tenants, or cookline arrangements occur.

4.1.5.2*

Where the equipment owner is not the commercial cooking operator, the equipment owner shall be permitted to delegate the authority and responsibility for inspection, testing, maintenance, and cleanliness of the ventilation control, fire protection, and cooking appliances to the commercial cooking operator, management firm, or managing individual through specific provisions in the lease, written use agreement, or management contract.

A.4.1.5.2

A service contractor with only periodic access to the equipment, such as the exhaust system cleaner and fire extinguishing system contractor, does not assume responsibility.

Submitter Information Verification

Committee: VEN-AAA

Submittal Date: Mon Sep 19 14:16:42 EDT 2022

Committee Statement

Committee Statement: The proposed changes clarify that the owner is responsible for the inspection, testing, maintenance, and cleanliness of the commercial cooking equipment, except when that responsibility has been transferred by written agreement to another party with control over the commercial cooking operations. For clarity the original text was separated into two sections based on similar language in NFPA 72®, National Fire Alarm and Signaling

Code, that has been in that document since 2013. This also clarifies that a service contractor with only periodic access to the equipment, such as the exhaust system cleaner and fire extinguishing system contractor, does not assume responsibility for the ITM&C of the commercial cooking operation.

Response Message: SR-6-NFPA 96-2022

Second Revision No. 3-NFPA 96-2022 [Section No. 10.2.6]

10.2.6

Automatic fire-extinguishing systems shall be installed in accordance with the terms of their listing, the manufacturer's instructions, and the following standards where applicable:

(1) NFPA 12

(2) NFPA 13

(3) NFPA 17

(4) NFPA 17A

(5) NFPA 750

(6) NFPA 770

Submitter Information Verification

Committee: VEN-AAA

Submittal Date: Thu Sep 15 12:36:23 EDT 2022

Committee Statement

Committee Statement: NFPA 770, Standard on Hybrid (Water and Inert Gas) Fire Extinguishing Systems has been recently published as a 2021 NFPA standard. Hybrid systems can be used as an effective fire extinguishing method for the fuels/hazards present in this standard.

Response Message: SR-3-NFPA 96-2022

Public Comment No. 8-NFPA 96-2022 [Section No. 10.2.6]

Second Revision No. 2-NFPA 96-2022 [Sections 12.6.13, 12.6.14, 12.6.15]

12.6.13

~~When an exhaust system is inspected or cleaned, a certificate showing the name of the servicing company, the name of the person performing the work, and the date of inspection or cleaning shall be maintained on the premises.~~ After an exhaust system is inspected or cleaned, an adhesive label shall be securely attached to the hood.

12.6.13.1

The label required by 12.6.13 shall provide a record of the following information:

(1)* Date service was performed indicated by a perforation

A.12.6.13.1(1)

Such as is done via hand punch.

(2) Name of person performing the work

(3) Name, address, and phone number of service provider

12.6.13.2

The label required by 12.6.13 shall remain affixed until the next inspection or cleaning event.

12.6.14

~~After cleaning or inspection is completed, the exhaust cleaning company and the person performing the work at the location shall provide the owner of the system with a written report that also specifies areas that were inaccessible or not cleaned.~~ After an inspection for grease buildup is complete, a written report shall be provided to the system owner or owner's agent (*see 4.1.5*) within 2 weeks.

12.6.14.1

The report required by 12.6.14 shall provide a record of the following information:

(1) Areas in need of cleaning where grease is found to exceed the limits specified in 12.6.1

(2) Areas that are inaccessible and were not inspected

(3) Areas that are accessible but were not inspected

(4) Location(s) of duct access panel(s)

(5) Location(s) of visible leakage(s) from ductwork

(6) Location(s) of leaking access panel(s)

12.6.15

~~Where required, certificates of inspection and cleaning and reports of areas not cleaned shall be submitted to the authority having jurisdiction.~~ After cleaning is complete, a written report shall be provided to the system owner or owner's agent (*see 4.1.5*) within 2 weeks.

12.6.15.1

The report required by 12.6.15 shall provide a record of the following information:

(1) Date cleaning was performed

(2) Name of person who performed the cleaning

(3) Name, address, and phone number of service provider

12.6.15.2

The report required by 12.6.15 shall detail the following information:

(1) Areas that are inaccessible and were not cleaned

(2) Areas that are accessible but were not cleaned

(3) Location(s) of duct access panel(s)

(4) Location(s) of visible leakage(s) from ductwork

(5) Location(s) of leaking access panel(s)

12.6.16

Where required, the reports required by 12.6.14 and 12.6.15 shall be submitted to the authority having jurisdiction.

Supplemental Information

File Name	Description	Approved
NFPA_96_SR-2.docx		

Submitter Information Verification

Committee: VEN-AAA

Submittal Date: Thu Sep 15 11:59:26 EDT 2022

Committee Statement

Committee Statement: The task group has reviewed and clarified the language regarding inspection and cleaning requirements and provided clearer guidance as to the service provider for the inspector in the field. Separating out the inspection for grease buildup and cleaning clarifies respective responsibilities.

Response Message: SR-2-NFPA 96-2022

Second Revision No. 4-NFPA 96-2022 [Section No. A.15.3.4(4)]

A.15.3.4(4)

The limit of 1 lb (~~2~~ 0.45 kg) of solid fuel consumed per hour per 100,000 Btu/hr (29.3 kW) of burner capacity is used to provide a measurable and enforceable limitation. It is anticipated that documented cooking procedures can be established to limit solid fuel consumption to 1 lb (~~2~~ 0.45 kg) per hour per 100,000 Btu/hr (29.3 kW) of burner capacity. The cooking procedures should clearly identify how the solid fuel is used (i.e., size and quantity of wood strips used, the number of wood strips that can be in the solid fuel holder at any given time, approximately how long the strips are expected to last, and at what point new strips can be added). Acceptable cooking procedures can be used by both the cook and the authority having jurisdiction to verify compliance with this requirement. It is not anticipated that solid fuel consumption will be continuously monitored, but rather that the fuel consumption will be limited by following acceptable documented cooking procedures. The gas burner capacity (in Btu/hr or kW) should be based on the manufacturer's rating.

Submitter Information Verification

Committee: VEN-AAA
Submittal Date: Thu Sep 15 14:13:08 EDT 2022

Committee Statement

Committee Statement: Correcting the kilogram weight to match 1 lb.
Response Message: SR-4-NFPA 96-2022

Second Revision No. 8-NFPA 96-2022 [Section No. B.1.2.8]

B.1.2.8 UL Publications.

Underwriters Laboratories Inc., 333 Pfingsten Road, Northbrook, IL 60062-2096.

UL 197, *Commercial Electric Cooking Appliances*, 2010, revised 2020.

~~UL~~ ANSI/CAN/UL/ULC 199, *Automatic Sprinklers for Fire-Protection Service*, ~~2020~~ 2022 .

UL 199B, *Outline of Investigation for Automatic Sprinkler Systems Used for Protection of Commercial Cooking Equipment*, 2015.

UL 199E, *Outline of Investigation for Fire Testing of Sprinklers and Water Spray Nozzles for Protection of Deep Fat Fryers*, 2004.

ANSI/ CAN/UL/ULC 300, *Fire Testing of Fire Extinguishing Systems for Protection of Commercial Cooking Equipment*, ~~2005, revised 2019~~ 2022 .

UL 710B, *Recirculating Systems*, 2011, revised ~~2018~~ 2021 .

UL 737, *Fireplace Stoves*, 2011, revised ~~2019~~ 2020 .

UL 896, *Oil-Burning Stoves*, 1993, revised ~~2016~~ 2022 .

UL 923, *Microwave Cooking Appliances*, 2013, revised 2020.

UL 1046, *Grease Filters for Exhaust Ducts*, 2010, revised ~~2017~~ 2022 .

UL 2162, *Commercial Wood-Fired Baking Ovens — Refractory Type*, 2014, revised 2019.

UL 8782, *Outline of Investigation for Pollution Control Units for Commercial Cooking Operations*, 2017.

Submitter Information Verification

Committee: VEN-AAA

Submittal Date: Mon Sep 19 14:45:47 EDT 2022

Committee Statement

Committee Statement: UL publication year updates.

Response Message: SR-8-NFPA 96-2022

Second Revision No. 9-NFPA 96-2022 [Section No. B.3]

B.3 References for Extracts in Informational Sections.

NFPA 17A, *Standard for Wet Chemical Extinguishing Systems* , 2021 edition.

NFPA 58, *Liquefied Petroleum Gas Code* , 2020 edition.

NFPA 5000®, *Building Construction and Safety Code®*, 2021 edition.

Submitter Information Verification

Committee: VEN-AAA

Submittal Date: Wed Oct 05 08:46:39 EDT 2022

Committee Statement

Committee Statement: Extracts from these documents were added in the annex.

Response Message: SR-9-NFPA 96-2022