2.3 Other Publications.

2.3.1 API Publications.

American Petroleum Institute, 1220 L Street, NW, Washington, DC 20005-4070.


2.3.2 ASME Publications.

American Society of Mechanical Engineers ASME International, Two Park Avenue, New York, NY 10016-5990.


2.3.3 ASTM Publications.

ASTM International, 100 Barr Harbor Drive, P.O. Box C700, West Conshohocken, PA 19428-2959.


2.3.4 CSA America Publications.
Canadian Standards Association, 5060 Spectrum Way, Mississauga 178 Rexdale Blvd, Toronto, ON, L4W 5N6, Canada.

2.3.5 FM Publications.
FM Global, 1301 Atwood-270 Central Avenue, P.O. Box 7500, Johnston, RI 02919.

2.3.6 NMFTA Publications.
National Motor Freight Classification (NMFC), 2012.

2.3.7 NRFC Publications.
National Railroad Freight Committee, 222 South Riverside Plaza, Chicago, IL 60606-5945.
Uniform Freight Classification (UFC), 2005.

2.3.8 STI/SPFA Publications.
Steel Tank Institute, 570 Oakwood Road/Steel Plate Fabricators Association, 944 Donata Ct, Lake Zurich, IL 60047.

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

2.3.10 UN Publications.
2.3.11 U.S. Government Publications.


2.3.12 Other Publications.


Statement of Problem and Substantiation for Public Input

Referenced current SDO names, addresses, standard names, and years.

Related Public Inputs for This Document

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Submitter Information Verification

Submitter Full Name: Aaron Adamczyk
Organization: [Not Specified]
Street Address: 
City: 
State: 
Zip: 
Submittal Date: Fri Feb 06 00:41:54 EST 2015

Committee Statement

Statement: Referenced current SDO names, addresses, standard names, and years.
Public Input No. 38-NFPA 30-2015 [Section No. 2.3.1]

2.3.1 API Publications.

American Petroleum Institute, 1220 L Street, NW, Washington, DC 20005-4070.


Statement of Problem and Substantiation for Public Input

update referenced documents to latest editions. adds new documents proposed for inclusion by reference

Submitter Information Verification

Submitter Full Name: RICHARD KRAUS
Organization: APIPETROLEUM SAFETY CONSULTAN
Street Address: 
City: 
State: 
Zip: 
Submittal Date: Mon Jun 22 09:44:38 EDT 2015

Committee Statement

Statement: Referenced current SDO names, addresses, standard names, and years.
Public Input No. 81-NFPA 30-2015 [Section No. 2.3.3]

2.3.3 ASTM Publications.
ASTM International, 100 Barr Harbor Drive, P.O. Box C700, West Conshohocken, PA 19428-2959.
ASTM D4359, Standard Test for Determining Whether a Material is a Liquid or a Solid, 1990 (reaffirmed 2012).

Statement of Problem and Substantiation for Public Input

date update

Submitter Information Verification

Submitter Full Name: MARCELO HIRSCHLER
Organization: GBH INTERNATIONAL
Street Address:
City:
State:
Zip:
Submittal Date: Thu Jul 02 14:29:31 EDT 2015

Committee Statement

Statement: Referenced current SDO names, addresses, standard names, and years.
Public Input No. 78-NFPA 30-2015 [ Section No. 2.3.9 ]

2.3.9 UL Publications.
Underwriters Laboratories Inc., 333 Pfingsten Road, Northbrook, IL 60062-2096.
UL 2152, Outline of Investigation for Special Purpose Nonmetallic Containers & Tanks for Specific Combustible or Noncombustible Liquids, 2015.

Statement of Problem and Substantiation for Public Input

The proposed changes reflect updates to new editions of UL Standards
New reference to UL 2152 Outline of Investigation that includes construction and performance requirements for nonmetallic tanks for the storage of new and waste cooking oil. UL 2152 is being referenced in revisions to Section 19.7.2.2

Submitter Information Verification

Submitter Full Name: RONALD FARR  
Organization: UL LLC  
Street Address:  
City:  
State:  
Zip:  
Submittal Date: Thu Jul 02 13:26:21 EDT 2015

Committee Statement

Statement: Referenced current SDO names, addresses, standard names, and years.
Public Input No. 84-NFPA 30-2015 [Section No. 2.3.9]

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

Statement of Problem and Substantiation for Public Input

This introduces UL 971A, which is used to investigate and list metallic and composite underground piping. A separate proposal to section 27.4.6.2 adopts this standard by reference. It also introduces UL 1275 which is being added to section 9.5.3

Related Public Inputs for This Document

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<td>Public Input No. 98-NFPA 30-2015 [Section No. 9.5.3]</td>
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Submitter Information Verification

Submitter Full Name: HOWARD HOPPER
Organization: UL LLC
Street Address:
City:
State:
Zip:
Submittal Date: Thu Jul 02 16:02:02 EDT 2015

Committee Statement
| Statement:  | Referenced current SDO names, addresses, standard names, and years. |
Public Input No. 75-NFPA 30-2015 [New Section after 3.3]

**General Definition: Protected Storage**

*Protected Storage:* Storage installed after January 1, 1997, that is protected in accordance with Chapter 16 or through an alternate means of protection that has been approved by the authority having jurisdiction (See 16.3.5 and Section 16.9). This storage classification designates a fire risk that is managed to provide fire control and limit the extent of fire size at or below the design area of the automatic fire protection system.

**General Definition: Unprotected Storage**

*Unprotected Storage:* Any storage configuration that does not meet the definition of protected storage. This storage classification implies that should a fire occur, the total contents of the fire area may become involved in a fire, regardless of the fire protection features provided.

**Statement of Problem and Substantiation for Public Input**

Currently, the definition for Protected Storage and Unprotected Storage is inconsistently listed in general requirements of Sections 9.3 and 12.3.4, while being listed in the definition section for Section 16.2.2. In addition, these terms are not formally included in the definitions of Chapter 3. The existing definition of these terms relies solely on a date of installation and conformance to protection requirements (protected storage shall mean storage installed after January 1, 1997 that is protected in accordance with Chapter 16. All other storage shall be considered to be unprotected storage), and does not provide the expected outcome of these strategic storage classifications during a fire, for the non-engineering user of NFPA 30.

This public input adds one sentence to each definition that attempts to provide the expected outcome in a fire scenario.

**Submitter Information Verification**

Submitter Full Name: MICHAEL SNYDER
Organization: Dow Corning
Street Address:
City:
State:
Zip:
Submittal Date: Tue Jun 30 22:01:49 EDT 2015

**Committee Statement**

Resolution: CI-1-NFPA 30-2015
Statement: The committee determined that the proposed criteria for describing protected vs. unprotected storage is not uniformly explained so that it should be included in chapter 3 as a general definition. Therefore, the committee is considering including the proposed definitions or an amended version thereof into Section 16.2. The committee solicits opinions or suggestions on this issue. The resolution of this issue will be tasked to the Task Group on Protection Criteria.
6.6.1 An approved means for prompt notification of fire or emergency to those within the plant, the facility, and to the available public or mutual aid fire department shall be provided.

Statement of Problem and Substantiation for Public Input

"plant" is too limiting. Facility is a broader term to use.

Submitter Information Verification

Submitter Full Name: RICHARD KRAUS
Organization: APIPETROLEUM SAFETY CONSULTAN
Street Address:
City:
State:
Zip:
Submittal Date: Mon Jun 22 10:49:34 EDT 2015

Committee Statement

Resolution: FR-23-NFPA 30-2015
Statement: This FR addresses the intent of PI 40, but has been revised to more clearly identify those affected by a potential fire or other emergency as indicated in the emergency action plan.
6.9.2

Maintenance and operating practices shall be established and implemented to control leakage and prevent spillage of flammable and combustible liquids.

Statement of Problem and Substantiation for Public Input

changes provides for BOTH prevention and control of leaks and spills

Submitter Information Verification

Submitter Full Name: RICHARD KRAUS
Organization: APIPETROLEUM SAFETY CONSULTAN
Street Address:
City:
State:
Zip:
Submittal Date: Mon Jun 22 10:55:47 EDT 2015

Committee Statement

Resolution: FR-3-NFPA 30-2015
Statement: This FR addresses PI 41 and PI 42. Changes have been made to address both prevention of leaks and spills as well as control of leaks and spills should they occur.
6.9.2
Maintenance and operating practices shall be established and implemented to prevent and control leakage and prevent spillage of flammable and combustible liquids.

Statement of Problem and Substantiation for Public Input
adds prevention to be in agreement with preceding section

Submitter Information Verification

Submitter Full Name: RICHARD KRAUS
Organization: APIPETROLEUM SAFETY CONSULTAN
Street Address:
City:
State:
Zip:
Submittal Date: Mon Jun 22 10:57:30 EDT 2015

Committee Statement

Resolution: FR-3-NFPA 30-2015
Statement: This FR addresses PI 41 and PI 42. Changes have been made to address both prevention of leaks and spills as well as control of leaks and spills should they occur.
Section 6.9.5

Aisles established for movement of personnel or materials shall be kept clear of obstructions to permit orderly evacuation and ready access for manual fire-fighting activities.

Statement of Problem and Substantiation for Public Input

aisles could be for material movement as well as for personnel

Submitter Information Verification

Submitter Full Name: RICHARD KRAUS
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Street Address: 
City: 
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Submittal Date: Mon Jun 22 10:58:57 EDT 2015

Committee Statement

Resolution: This proposed change would not be appropriate because the aisles in a storage area are not intended to be part of the egress pathway. They are meant to separate one storage array from another.
6.10.1.2
These hazards include, but are not limited to, vulnerability to terrorist, arsonist or other malicious attacks.

Statement of Problem and Substantiation for Public Input

adds arson which is especially applicable to liquid storage

Submitter Information Verification

Submitter Full Name: RICHARD KRAUS
Organization: APIPETROLEUM SAFETY CONSULTANT
Street Address:
City:
State:
Zip:
Submittal Date: Mon Jun 22 11:00:46 EDT 2015

Committee Statement

Resolution: Arson would be considered a malicious act and is already addressed.
Public Input No. 32-NFPA 30-2015 [ Section No. 7.1 ]

7.1 Scope.
This chapter shall apply to areas where Class I liquids are stored or handled and to areas where Class II or Class IIIA liquids are stored or handled at or above their flash points.

Statement of Problem and Substantiation for Public Input

The current requirements in Section 7.1 conflict with information provided in NFPA 497 (2012), Sections 4.2.7.3 and 5.4.4.

NFPA 497 (2012) Section 4.2.7.3:
Class IIIB liquids seldom evolve enough vapors to form ignitible mixtures even when heated, and they are seldom ignited by properly installed and maintained general purpose electrical equipment. A Class IIIB liquid will cool below its flash point very quickly when released. Therefore, area classification is seldom needed and Class IIIB liquids are not included in Table 4.4.2.

NFPA 497 (2012) Section 5.4.4:
Experience indicates that Class IIIB liquids seldom evolve enough vapors to form ignitible mixtures even when heated, and are seldom ignited by properly installed and maintained general-purpose electrical equipment.

This input seeks to align the requirements and limit mandatory electrical classification for combustible liquids heated above their flashpoint to Class II and IIIA liquids.

Submitter Information Verification

Submitter Full Name: MICHAEL SNYDER
Organization: Dow Corning Corporation
Street Address:
City:
State:
Zip:
Submittal Date: Fri Jun 05 17:42:49 EDT 2015

Committee Statement

Resolution: The proposed amendment would conflict with paragraphs 6.4.1.2, 17.3.6, 18.3, and with the provisions of NFPA 70, National Electrical Code.
G.1 General.

The process used to assess the level of security of a facility is generally referred to as security vulnerability assessment (SVA). The following published guidelines are available to assist the owner and management of a facility to identify, evaluate, and control security hazards:

1. NFPA 730, Guide for Premises Security
2. American Institute of Chemical Engineers–Center for Chemical Process Safety (CCPS), Guidelines for Analyzing and Managing the Security Vulnerabilities of Fixed Chemical Sites
3. API Security Guidelines for the Petroleum Industry
4. API RP 70, Security for Offshore Oil and Natural Gas Operations
5. API RP 70I, Security for Worldwide Offshore Oil and Natural Gas Operations
6. API Standard 1164, Pipeline SCADA Security
7. API/National Petrochemical and Refiners Association, Security Vulnerability Assessment Methodology
8. American Chemistry Council (ACC), Site Security Guidelines for the U.S. Chemical Industry
10. ACC Transportation Security Guidelines for the U.S. Chemical Industry
12. Sandia National Laboratories “Vulnerability Assessment Methodology for Chemical Facilities (VAM-CF)”
13. U.S. Coast Guard NVIC 11-02 (and other NVICs)

In some cases, a terrorist attack or similar worst-case event will create response complications, such as interruptions to communication between and among the facility fire brigade or response team; facility management, and response personnel and outside agencies; damage to response equipment, or loss of needed personnel. Existing emergency response plans should be updated to address and mitigate such identified potential disruptions to an effective response. Periodic table-top and full-scale drills are strongly recommended to provide a means for proper training and identification of plan weaknesses to be addressed.

Statement of Problem and Substantiation for Public Input

correct title

Submitter Information Verification

Submitter Full Name: RICHARD KRAUS
Organization: APIPETROLEUM SAFETY CONSULTAN
Street Address: 
City: 
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Submittal Date: Mon Jun 22 15:49:27 EDT 2015

Committee Statement

Resolution: FR-4-NFPA 30-2015
Statement: Title of reference document has been corrected.
I.1.2 Other Publications.

I.1.2.1 ACC Publications.
American Chemistry Council, 700 Second Street, N.E., Washington DC 20002.


I.1.2.2 AIChE Publications.
American Institute of Chemical Engineers, 3 Park Avenue, 120 Wall Street, FL 23, New York, NY 10016.


I.1.2.3 ANSI Publications.
American National Standards Institute, Inc., 25 West 43rd Street, 4th Floor, New York, NY 10036.


I.1.2.4 API Publications.

American Petroleum Institute, 1220 L Street, NW, Washington, DC 20005.


API RP 500, Recommended Practice for Classification of Locations for Electrical Installations at Petroleum Facilities Classified as Class I, Division 1 and Division 2, Revision 2 Third Edition, 1998 2012.

API RP 505, Recommended Practice for Classification of Locations for Electrical Installations at Petroleum Facilities Classified as Class I, Zone 0, Zone 1, and Zone 2, 2002, 1997, reaffirmed 2012.


API 1501, Filtration and Dehydration of Aviation Fuels, 1st edition, 1965. (Superseded by EI 1529)


I.1.2.5 Association of Canadian Distillers Publications.

Association of Canadian Distillers, Suite 518, 90 Rue Sparks, Ottawa, Ontario, K1P 5B4, Canada.

I.1.2.6 ASTM Publications.

ASTM International, 100 Barr Harbor Drive, P.O. Box C700, West Conshohocken, PA 19428-2959.


I.1.2.7 ISO Publications.

International Organization for Standardization, 1, ch. de la Voie-Creuse, Case postale 56, CH-1211 Geneva 20, Switzerland .

ISO Central Secretariat, BIBC II, 8, Chemin de Blandonnet, CP 401, 1214 Vernier, Geneva, Switzerland.


I.1.2.8 NACE Publications.

National Association of Corrosion Engineers NACE International, 1440 South Creek Drive, Houston, TX 77084.

NACE RP SP 0169, Recommended Practice, Control of External Corrosion on Underground or Submerged Metallic Piping Systems, 1996, 2013. (Supersedes NACE RP 0169)


I.1.2.9 NEIWPCC Publications.

New England Interstate Water Pollution Control Commission, 85 Merrimac Street, Boston, MA 02114.


I.1.2.10 NIOSH Publications.

National Institute for Occupational Safety and Health, Centers for Disease Control and Prevention, 1600 Clifton Road, Atlanta, GA 30333.


I.1.2.11 NORA Publications.

National Oilheat Research Alliance, 600 Cameron Street, Suite 600, Alexandria, VA 22314.


I.1.2.12 Oil and Gas Journal Publications.

PennWell Publishing Co., 3050 Post Oak Boulevard, 1455 West Loop South, Suite #400, Houston, TX 77056 77027.


I.1.2.13 PEI Publications.

Petroleum Equipment Institute, P.O Box 2380, Tulsa, OK 74101-2380.


I.1.2.14 SFPE Publications.
Society of Fire Protection Engineers, 7315 Wisconsin Avenue 9711 Washington Blvd, Suite 1225 W 380, Bethesda Gaithersburg, MD, 20814 20878.


I.1.2.15 STI/SPFA Publications.
Steel Tank Institute, 570 Oakwood Road Steel Plate Fabricators Association, 944 Donata Ct, Lake Zurich, IL 60047.


STI RP R011, Recommended Practice for Anchoring of Steel Underground Storage Tanks, 2006.


I.1.2.16 UL Publications.
Underwriters Laboratories Inc., 333 Pfingsten Road, Northbrook, IL 60062-2096.


I.1.2.17 ULC Publications.
Underwriters Laboratories of Canada, 7 Underwriters Road, Scarborough Toronto, Ontario, M1R 3B4, Canada M1R 3A9.


I.1.2.18 UN Publications.

I.1.2.19 U.S. Government Publications.


U.S. Coast Guard NVIC 11–02 and other NVICs


Title 21, Code of Federal Regulations, Part 800-898, “GMP for Medical Devices.”


I.1.2.20 Other Publications.

Sandia National Laboratories, “Vulnerability Assessment Methodology for Chemical Facilities (VAM-CF)”

Statement of Problem and Substantiation for Public Input

*Updated SDO names, addresses, standard names, numbers, and editions.*

Related Public Inputs for This Document

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Submitter Information Verification

Submitter Full Name: Aaron Adamczyk
Organization: [Not Specified]
Street Address:
City:
State:
Zip:
Submittal Date: Sat Jun 06 15:42:55 EDT 2015

Committee Statement

Resolution: FR-20-NFPA 30-2015
Statement: Information on reference documents has been updated.
API Publications.
American Petroleum Institute, 1220 L Street, NW, Washington, DC 20005.
API RP 500, Recommended Practice for Classification of Locations for Electrical Installations at Petroleum Facilities Classified as Class I, Division 1 and Division 2, Revision 2 3rd edition, 1998 2012.
API RP 505, Recommended Practice for Classification of Locations for Electrical Installations at Petroleum Facilities Classified as Class I, Zone 0, Zone 1, and Zone 2, 2002.

Statement of Problem and Substantiation for Public Input
update referenced documents

NFPA 30 FLC-FUN Public Inputs Page 23 of 26
## Submitter Information Verification

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<tr>
<th>Submitter Full Name:</th>
<th>RICHARD KRAUS</th>
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<tr>
<td>Organization:</td>
<td>APIPETROLEUM SAFETY CONSULTAN</td>
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## Committee Statement

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I.1.2.6 ASTM Publications.

ASTM International, 100 Barr Harbor Drive, P.O. Box C700, West Conshohocken, PA 19428-2959.


Statement of Problem and Substantiation for Public Input

date update

Submitter Information Verification

Submitter Full Name: MARCELO HIRSCHLER
Organization: GBH INTERNATIONAL
Street Address:  
City:  
State:  
Zip:  
Submittal Date: Thu Jul 02 14:30:19 EDT 2015

Committee Statement

Resolution: FR-20-NFPA 30-2015
Statement: Information on reference documents has been updated.
Statement of Problem and Substantiation for Public Input

The proposed changes reflect updated editions of UL Standards.

Submitter Information Verification

Submitter Full Name: RONALD FARR
Organization: UL LLC
Street Address:
City:
State:
Zip:
Submittal Date: Thu Jul 02 14:01:08 EDT 2015

Committee Statement

Resolution: FR-20-NFPA 30-2015
Statement: Information on reference documents has been updated.