Report on Comments A2007 — Copyright, NFPA NFPA 820

Report of the Committee on

Wastewater Treatment Plants

Garr M. Jones, Chair
Brown and Caldwell, CA [SE]

John R. Anderson, Marshfield, MA [SE]
A.W. Ballard, Crouse-Hinds, NY [M]
    Rep. National Electrical Manufacturers Association
Linda Leong, San Francisco Public Utilities Commission, CA [U]
Glenn E. McGinley, II, State of Ohio, OH [E]
James F. Wheeler, US Environmental Protection Agency, DC [E]

Alternates

Mark Kreinbihl, The Gorman-Rupp Company, OH [M]
    (Alt. to Gary Hewitt)
Edwin C. Lamb, National Clay Pipe Institute, AZ [M]
    (Voting Alt. to NCPI Rep.)

Staff Liaison: David R. Hague

Committee Scope: This Committee shall have primary responsibility for documents on criteria for safeguarding against the fire and explosion hazards specific to wastewater treatment plants and associated collection systems, including the hazard classification of specific areas and processes.

This list represents the membership at the time the Committee was balloted on the text of this edition. Since that time, changes in the membership may have occurred. A key to classifications is found at the front of this book.

This portion of the Technical Committee Report of the Committee on Wastewater Treatment Plants is presented for adoption.

This Report on Comments was prepared by the Technical Committee on Wastewater Treatment Plants, and documents its action on the comments received on its Report on Proposals on NFPA 820, Standard for Fire Protection in Wastewater Treatment and Collection Facilities 2003 edition, as published in the Report on Proposals for the 2007 June Meeting.

This Report on Comments has been submitted to letter ballot of the Technical Committee on Wastewater Treatment Plants, which consists of 9 voting members. The results of the balloting, after circulation of any negative votes, can be found in the report.
820-1 Log #3 Final Action: Accept
(3.3.35.1 Digester Gas)


Comment on Proposal No: 820-1
Recommendation: Use Sludge Gas definition as Digester Gas.

To: Gas obtained as a by-product of the anaerobic sludge digestion unit process...;”.

Substantiation: It is incorrect to use sludge gas and digester gas interchangeably as digester gas is the result of a controlled anaerobic sludge digestion unit process...”.

Substantiation: Row 11 of Table 6.2(a) does not explicitly differentiate between the storage of Sludge (3.3.62) and storage of Sludge Cake (3.3.63). The proposed change to Line 12 clarifies fire protections for facilities storing dewatered sludge.

Hazards associated with sludge and thickened sludge are largely absent in sludge cake:
  - Generation of methane by biological activity is suppressed due to the aerobic environment and reduced water concentration of sludge cake.
  - Floating flammable liquids are substantially removed by the dewatering process.

Some form of dewatered sludge storage is provided at the majority of dewatering facilities. Storage vessels include large roll-off containers, 18 wheel dump trailers, concrete bunkers with push walls, and bins with augers. Such sludge cake storage facilities have historically not been classified.

Thickened (liquid) sludge storage facility protections remain under Line 11.

Committee Meeting Action: Accept in Principle
To the proposed new row 12, Line (b) modify the following;
Fire and Explosion Hazard - accumulation of Methane gas, Ventilation - D,
Extent of Hazard - Entire Room, NEC Area electrical Classification - unclassified.

Add a new Line (c) as follows:
Location and Function - Storage of dewatered sludgecake and conveyance of thickened sludge,
Fire and Explosion Hazard - Accumulation of Methane gas, Ventilation - D,
Extent of Hazard - Entire Room, NEC Classification Area - Division 1,
Material of Construction for Buildings or Structures - NC, LC, or LFS,
Fire Protection measures - H, FE and FA.

Substantiation: Row 11 of Table 6.2(a) on the following page.

Committee Statement: Meets the intent of the submitter.

Number Eligible to Vote: 9
Ballot Results: Affirmative: 7
Ballot Not Returned: 2 Anderson, J., Lamb, E.

820-2 Log #2 Final Action: Accept
(3.3.35.4 Sludge Gas)


Comment on Proposal No: 820-1
Recommendation: Change from: Gas obtained as a by-product of the anaerobic sludge digestion unit process...
To: Gas obtained as a by-product of the anaerobic sludge digestion unit process from the decomposition of organic matter in biosolids in liquid or semi-solid state when stored for extended periods of time. (Complete definition as currently written.)

Substantiation: It is incorrect to use sludge gas and digester gas interchangeably as digester gas is the result of a controlled process and sludge gas can result from extended storage.

Committee Meeting Action: Accept
Number Eligible to Vote: 9
Ballot Results: Affirmative: 7
Ballot Not Returned: 2 Anderson, J., Lamb, E.

820-3 Log #4 Final Action: Accept in Principle
(Table 6.2(a))


Comment on Proposal No: 820-4
Recommendation: Replace Line 12 with the following:

<table>
<thead>
<tr>
<th>Row</th>
<th>Line</th>
<th>Location and Function</th>
<th>Fire and Explosion Hazard</th>
<th>Ventilation</th>
<th>Extent of Classified Area</th>
<th>NEC-Area Electrical Classification (All Class I, Group D)</th>
<th>Material of Construction for Buildings or Structures</th>
<th>Fire Protection Measures</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td>a</td>
<td>DEWATERING BUILDINGS CONTAINING CENTRIFUGES, GRAVITY BELT THICKENERS, BELT AND VACUUM FILTERS, AND FILTER PRESSES Removal of water from sludge and the conveyance or storage of sludge cake</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>Unclassified</td>
<td>NC, LC, or LFS</td>
<td>H, FE, and FA</td>
</tr>
<tr>
<td></td>
<td>b</td>
<td>Removal of water from sludge and the conveyance of thickened sludge</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>Unclassified</td>
<td>NC, LC, or LFS</td>
<td>H, FE, and FA</td>
</tr>
</tbody>
</table>


<table>
<thead>
<tr>
<th>Row</th>
<th>Line</th>
<th>Location and Function</th>
<th>Fire and Explosion Hazard</th>
<th>Ventilation</th>
<th>Extent of Classified Area</th>
<th>NEC-Area Electrical Classification (All Class I, Group D)</th>
<th>Material of Construction for Buildings or Structures</th>
<th>Fire Protection Measures</th>
</tr>
</thead>
<tbody>
<tr>
<td>12a</td>
<td></td>
<td>DEWATERING BUILDINGS CONTAINING CENTRIFUGES, GRAVITY BELT THICKENERS, BELT AND VACUUM FILTERS, AND FILTER PRESSES Removal of water from sludge and the conveyance or storage of sludge or sludge cake</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>Unclassified</td>
<td>NC, LC, or LFS</td>
<td>H, FE, and FAS</td>
</tr>
<tr>
<td>12b</td>
<td></td>
<td>Removal of water from sludge and the conveyance of thickened sludge</td>
<td>Accumulation of Methane Gas</td>
<td>C</td>
<td>Entire Room</td>
<td>Unclassified</td>
<td>NC, LC, or LFS</td>
<td>H, FE, and FAS</td>
</tr>
<tr>
<td>12c</td>
<td></td>
<td>Removal of dewatered sludge cake and conveyance of thickened sludge</td>
<td>Accumulation of Methane Gas</td>
<td>D</td>
<td>Entire Room</td>
<td>Div 1</td>
<td>NC, LC, or LFS</td>
<td>H, FE, and FAS</td>
</tr>
</tbody>
</table>

820-4 Log #1  
Final Action: Accept  
(Table 6.2(b))

Comment on Proposal No: 820-5  
Recommendation: Revise the table as shown on the following page.  
Substantiation: Adopting the above recommendation will bring the electrical classification requirements for sludge processing areas into conformance with NFPA 499, Recommended Practice for the Classification of Combustible Dusts and of Hazardous (Classified) Locations for Electrical Installations in Chemical Process Areas, which is the appropriate guideline for areas with combustible dusts. The existing Table 6.2(b) does not provide for evaluation regarding the specific hazards of sludge drying, with respect to the type of the drying process equipment to be installed and the combustible characteristics of the dust, while NFPA 499 does include those factors in determining classifications. Classification for the conditions identified in lines c and d, are based on the classifications shown in Figure 5.8(c) Group F or Group G Dust - Indoor, Unrestricted Area; Operating Equipment Enclosed; Area Classified as a Class II, Division 2, Location of NFPA 499. In addition, adopting the above recommendation will bring the standard into conformance with industry practice. To our knowledge, an authority having jurisdiction has never required the entire room of a sludge drying facility to be classified as Division 1, but rather have always allowed the use of NFPA 499 in determining the electrical classification requirements. Also, in footnote 1, we have recommended referencing NFPA 654, Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing, and Handling of Combustible Particulate Solids, as an applicable standard for sludge drying, since drying systems process and handle combustible particulate solids. We have recommended referencing NFPA 499, Recommended Practice for the Classification of Combustible Dusts and of Hazardous (Classified) Locations for Electrical Installations in Chemical Process Areas, since this is the appropriate standard to use in determining classified areas for equipment handling combustible dust. We have recommended referencing NFPA 30, Flammable and Combustible Liquids Code, as an applicable standard for sludge drying systems which use such liquids, to insure that the applicable requirements pertaining to these liquids are applied. We have recommended that the reference to NFPA 82, Incinerators and Waste and Linen Handling Systems and Equipment, be removed, since sludge drying processes do not fall under the scope of that standard. We have recommended adding a footnote 3, to identify that for sludge drying systems which use flammable or combustible liquids there are applicable ventilation requirements in NFPA 30. Also, we have recommended including the requirements of NFPA 499 and NFPA 654 in the “Material of Construction of Building or Structure” and “Fire Protection Measures” columns, as these standards have building construction and fire protection requirements which are applicable to dried combustible particulate solids.

Committee Meeting Action: Accept

Number Eligible to Vote: 9  
Ballot Results: Affirmative: 7  
Ballot Not Returned: 2 Anderson, J., Lamb, E.

820-5 Log #5  
Final Action: Accept in Principle  
(Table 6.2(b))

Comment on Proposal No: 820-6  
Recommendation: Revise the table as shown on page 4.  
Substantiation: Adopting the above recommendation will bring the electrical classification requirements for sludge storage areas into conformance with NFPA 499, Recommended Practice for the Classification of Combustible Dusts and of Hazardous (Classified) Locations for Electrical Installations in Chemical Process Areas, which is the appropriate guideline for areas with combustible dusts. The existing Table 6.2(b) does not provide for evaluation regarding the specific hazards of sludge storage, with respect to the type of tanks to be installed and the combustible characteristics of the dust, while NFPA 499 does include those factors in determining classifications. In addition, adopting the above recommendation will bring the standard into conformance with industry practice. To our knowledge, an authority having jurisdiction has never required the entire room of a sludge drying facility to be classified as Division 1, but rather have always allowed the use of NFPA 499 in determining the electrical classification requirements. Also, we have recommended including the requirements of NFPA 499 and NFPA 654 in the “Material of Construction of Building or Structure” and “Fire Protection Measures” columns, as these standards have building construction and fire protection requirements which are applicable to dried combustible particulate solids.

Committee Meeting Action: Accept in Principle

In proposed Row 2, Line (a) modify the proposal as follows: Location and Function - retain the words “if enclosed”, NEC Electrical Classification - strike the words “acceptable to the “. In Line (b) strike the comma after the word “tanks” in Extent of Classified Area. In Line (c) close parenthesis after the words “10 ft” in Extent of Classified Area. (See Table 6.2(b) on page 4).

Committee Statement: Meets the intent of the submitter.

Number Eligible to Vote: 9  
Ballot Results: Affirmative: 7  
Ballot Not Returned: 2 Anderson, J., Lamb, E.
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>a</td>
<td>SLUDGE-DRYING PROCESSES¹</td>
<td>Potential for ignition of dust</td>
<td>NR</td>
<td>If exposed to combustible particulate solids, entire room²</td>
<td>Division 1 or if acceptable to the authority having jurisdiction with classification in NFPA 499</td>
<td>H, FAS, and FSS (See NFPA 30, NFPA 68, NFPA 69, NFPA 499, and NFPA 654)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>b</td>
<td></td>
<td></td>
<td>NR</td>
<td>Areas within equipment processing combustible particulate solids</td>
<td>Division 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>c</td>
<td></td>
<td></td>
<td>NR</td>
<td>Areas within 3 m (10 ft of equipment processing combustible particulate solids)</td>
<td>Division 2</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>d</td>
<td></td>
<td></td>
<td>NR</td>
<td>Areas beyond 3 m (10 ft of equipment processing combustible particulate solids)</td>
<td>Unclassified</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

¹See NFPA 54, NFPA 82, and NFPA 85. For sludge drying processes which use flammable or combustible liquids, see NFPA 30.
²For sludge drying processes which use flammable or combustible liquids, ventilate in accordance with NFPA 30.
³Or if acceptable to the authority having jurisdiction with classification in NFPA 499.

Comment 820-4 (Log #1) Recommendation
### Table 6.2(b) Solids Treatment Processes – Sludge Drying

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>a</td>
<td>DRIED SLUDGE STORAGE AREAS—IF ENCLOSED</td>
<td>Potential for ignition of dust</td>
<td>NR</td>
<td>If exposed to dried sludge entire room²</td>
<td>Division 1, or if acceptable to the authority having jurisdiction with classifications in NFPA 499 Division 1</td>
<td>H, FAS (See NFPA 61, and NFPA 69, NFPA 499, and NFPA 654)</td>
<td>----------------------------</td>
</tr>
<tr>
<td></td>
<td>b</td>
<td></td>
<td></td>
<td>NR</td>
<td>Areas within tanks storing dried sludge</td>
<td>Division 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>c</td>
<td></td>
<td></td>
<td>NR</td>
<td>Areas within 3 m (10 ft) of tanks storing dried sludge</td>
<td>Division 2</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>d</td>
<td></td>
<td></td>
<td>NR</td>
<td>Areas beyond 3 m (10 ft) of tanks storing dried sludge</td>
<td>Unclassified</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Comment 820-5 (Log #5) Recommendation**

---

### Table 6.2(b) Solids Treatment Processes – Sludge Drying

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>a</td>
<td>DRIED SLUDGE STORAGE AREAS—IF ENCLOSED</td>
<td>Potential for ignition of dust</td>
<td>NR</td>
<td>If exposed to dried sludge entire room²</td>
<td>Division 1, or if acceptable to the authority having jurisdiction with classifications in NFPA 499 Division 1</td>
<td>H, FAS (See NFPA 61, and NFPA 69, NFPA 499, and NFPA 654)</td>
<td>----------------------------</td>
</tr>
<tr>
<td></td>
<td>b</td>
<td></td>
<td></td>
<td>NR</td>
<td>Areas within tanks storing dried sludge</td>
<td>Division 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>c</td>
<td></td>
<td></td>
<td>NR</td>
<td>Areas within 3 m (10 ft) of tanks storing dried sludge</td>
<td>Division 2</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>d</td>
<td></td>
<td></td>
<td>NR</td>
<td>Areas beyond 3 m (10 ft) of tanks storing dried sludge</td>
<td>Unclassified</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Comment 820-5 (Log #5) Committee Action**

820-5
FORM FOR FILING NOTICE OF INTENT TO MAKE A MOTION (NITMAM)  
AT AN ASSOCIATION TECHNICAL MEETING  
2007 ANNUAL REVISION CYCLE  
FINAL DATE FOR RECEIPT OF NITMAM: 5:00 pm EST, April 6, 2007  

If you have questions about filling out or filing the NITMAM, please contact the  
Codes and Standards Administration at 617-984-7249  
For further information on the Codes- and Standards-Making Process, see the NFPA  
website (www.nfpa.org)  

FOR OFFICE USE ONLY  
Log #:_________________  
Date Rec'd:_____________  

Date__________________ Name_________________________________________ Tel. No.__________________  
Company or Affiliation__________________________________________________________  
Email Address_______________________________________________________________  
Street Address________________________City________________________State_____Zip________________  

1.  (a) NFPA Document (include Number and Title)_________________________________________________________  
(b) Proposal or Comment Number__________________________  
(c) Section/Paragraph ___________________________________________  

2.  Motion to be made.  Please check one:  (See also 4-6 of the Regulations Governing Committee Projects)  

(a) Proposal  
____(1) Accept.  ______(2) Accept an Identifiable Part.*  
____(3) Accept as modified by the TC.  ______(4) Accept an Identifiable Part as modified by TC.*  

(b) Comment  
____(1) Accept.  ______(2) Accept an Identifiable Part.*  
____(3) Accept as modified by the TC.  ______(4) Accept an Identifiable Part as modified by TC.*  

(c) Return Technical Committee Report for Further Study  
____(1) Return entire Report.  ______(2) Return a portion of a Report in the form of a proposal and related comment(s).  
____(3) Return a portion of a Report in the form of identifiable part(s) of a proposal and related comments(s).  (Identify the specific  
portion of the proposal and the related comments below)*  
* Clearly identify the Identifiable Part(s) indicated above (use separate sheet if required).  

3. I am entitled to make this motion in accordance with 4.6.8 of the Regulations Governing Committee Projects, as follows:  (check (a),  
(b), or (c).  

(a)____ This motion may be made by the original submitter or their designated representative, and I am the (if you check (a) indicate  
one of the following):  
___ I am the Original submitter, or  
___ I am the submitter’s designated representative (attach written authorization signed by the original submitter), or  
___ I am an Organizational Member delegate permitted to represent the submitter on behalf of the Organization Member in  
accordance with 4-6.5 (c).  

(b)____ This motion may be made by a Technical Committee Member and I am a Member of the responsible Technical Committee.  
(c)____ This motion may be made by anyone.  

(Form continued on next page)
NITMAM form (continued)

4. Comments or Clarification (optional): This NITMAM will be reviewed by a Motions Committee. In addition to determining whether your Amending Motion is proper, the Committee may take other actions as described in 2.3 of the Technical Meeting Convention Rules as follows:

- **Restating and Grouping of Motions.** Upon request or on its own initiative, and in consultation with the mover(s), the Motions Committee may: (a) restate an Amending Motion to facilitate the making of a proper motion or to clarify the intent of the mover; and (b) group Amending Motions that are dependent on one another into a single Amending Motion. Dependent motions are motions that the mover(s) wish to be considered by the assembly and voted on as single up or down package. In addition to the foregoing, the Motions Committee may take such other actions or make such other recommendations as will facilitate the fair and efficient consideration of amending.

The NFPA Staff may contact you to clarify your motion or to consult on the permitted actions in 2.3. If you have any comments, suggestions, or requests of the Motions Committee as it reviews your NITMAM and considers actions permitted in 2.3, please provide them below. (Use additional sheet if necessary):

________________________________________________________________________________________________________________________
________________________________________________________________________________________________________________________
________________________________________________________________________________________________________________________
________________________________________________________________________________________________________________________
________________________________________________________________________________________________________________________
________________________________________________________________________________________________________________________
________________________________________________________________________________________________________________________
________________________________________________________________________________________________________________________

Name (please print):_____________________________________________________________________

Signature (Required)_____________________________________________________________________

(Note: This NITMAM will be reviewed, and if proper, your Amending Motion will be certified in accordance with the Technical Meeting Convention Rules and posted on the NFPA website by May 4, 2007. Documents that have Certified Amending Motions will be considered at the June 2007 Annual Meeting Technical Committee Report. In order to have your Certified Amending Motion considered at that meeting, you must appear, sign in, and make the motion as prescribed in the Convention Rules).

PLEASE USE A SEPARATE NITMAM FORM FOR EACH AMENDING MOTION YOU WISH TO MAKE,

Mail to: Secretary, Standards Council, National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02169-7471
NFPA Fax: (617) 770-3500
Sequence of Events Leading to Issuance of an NFPA Committee Document

Step 1  **Call for Proposals**

- Proposed new Document or new edition of an existing Document is entered into one of two yearly revision cycles, and a Call for Proposals is published.

Step 2  **Report on Proposals (ROP)**

- Committee meets to act on Proposals, to develop its own Proposals, and to prepare its Report.
- Committee votes by written ballot on Proposals. If two-thirds approve, Report goes forward. Lacking two-thirds approval, Report returns to Committee.
- Report on Proposals (ROP) is published for public review and comment.

Step 3  **Report on Comments (ROC)**

- Committee meets to act on Public Comments to develop its own Comments, and to prepare its report.
- Committee votes by written ballot on Comments. If two-thirds approve, Reports goes forward. Lacking two-thirds approval, Report returns to Committee.
- Report on Comments (ROC) is published for public review.

Step 4  **Technical Report Session**

- "Notices of intent to make a motion" are filed, are reviewed, and valid motions are certified for presentation at the Technical Report Session. ("Consent Documents" that have no certified motions bypass the Technical Report Session and proceed to the Standards Council for issuance.)
- NFPA membership meets each June at the Annual Meeting Technical Report Session and acts on Technical Committee Reports (ROP and ROC) for Documents with "certified amending motions."
- Committee(s) vote on any amendments to Report approved at NFPA Annual Membership Meeting.

Step 5  **Standards Council Issuance**

- Notification of intent to file an appeal to the Standards Council on Association action must be filed within 20 days of the NFPA Annual Membership Meeting.
- Standards Council decides, based on all evidence, whether or not to issue Document or to take other action, including hearing any appeals.
The Technical Report Session of the NFPA Annual Meeting

The process of public input and review does not end with the publication of the ROP and ROC. Following the completion of the Proposal and Comment periods, there is yet a further opportunity for debate and discussion through the Technical Report Sessions that take place at the NFPA Annual Meeting.

The Technical Report Session provides an opportunity for the final Technical Committee Report (i.e., the ROP and ROC) on each proposed new or revised code or standard to be presented to the NFPA membership for the debate and consideration of motions to amend the Report. The specific rules for the types of motions that can be made and who can make them are set forth in NFPA’s rules which should always be consulted by those wishing to bring an issue before the membership at a Technical Report Session. The following presents some of the main features of how a Report is handled.

What Amending Motions are Allowed. The Technical Committee Reports contain many Proposals and Comments that the Technical Committee has rejected or revised in whole or in part. Actions of the Technical Committee published in the ROP may also eventually be rejected or revised by the Technical Committee during the development of its ROC. The motions allowed by NFPA rules provide the opportunity to propose amendments to the text of a proposed code or standard based on these published Proposals, Comments and Committee actions. Thus, the list of allowable motions include motions to accept Proposals and Comments in whole or in part as submitted or as modified by a Technical Committee action. Motions are also available to reject an accepted Comment in whole or part. In addition, Motions can be made to return an entire Technical Committee Report or a portion of the Report to the Technical Committee for further study.

The NFPA Annual Meeting, also known as the World SafetyConference and Exposition®, takes place in June of each year. A second Fall membership meeting was discontinued in 2004, so the NFPA Technical Report Session now runs once each yearat the Annual Meeting in June.

Who Can Make Amending Motions. Those authorized to make these motions is also regulated by NFPA rules. In many cases, the maker of the motion is limited by NFPA rules to the original submitter of the Proposal or Comment or his or her duly authorized representative. In other cases, such as a Motion to Reject an accepted Comment, or to Return a Technical Committee Report or a portion of a Technical Committee Report for Further Study, anyone can make these motions. For a complete explanation, NFPA rules should be consulted.

The filing of a Notice of Intent to Make a Motion. Before making an allowable motion at a Technical Report Session, the intended maker of the motion must file, in advance of the session, and within the published deadline, a Notice of Intent to Make a Motion. A Motions Committee appointed by the Standards Council then reviews all notices and certifies all amending motions that are proper. The Motions Committee can also, in consultation with the makers of the motions, clarify the intent of the motions and, in certain circumstances, combine motions that are dependent on each other together so that they can be made in one single motion. A Motions Committee report is then made available in advance of the meeting listing all certified motions. Only these Certified Amending Motions, together with certain allowable Follow-Up Motions (that is, motions that have become necessary as a result of previous successful amending motions) will be allowed at the Technical Report Session.

Consent Documents. Often there are codes and standards up for consideration by the membership that will be non-controversial and no proper Notices of Intent to Make a Motion will be filed. These “Consent Documents” will bypass the Technical Report Session and head straight to the Standards Council for issuance. The remaining Documents are then forwarded to the Technical Report Session for consideration of the NFPA membership.

Important Note: The filing of a Notice of Intent to Make a Motion is a new requirement that takes effect beginning with those Documents scheduled for the Fall 2005 revision cycle that reports to the June 2006 Annual Meeting Technical Report Session. The filing of a Notice of Intent to Make a Motion will not, therefore, be required in order to make a motion at the June 2005 Annual Meeting Technical Report Session. For updates on the transition to the new Notice requirement and related new rules effective for the Fall 2005 revision cycle and the June 2006 Annual Meeting, check the NFPA website.
**Action on Motions at the Technical Report Session.** In order to actually make a Certified Amending Motion at the Technical Report Session, the maker of the motion must sign in at least an hour before the session begins. In this way a final list of motions can be set in advance of the session. At the session, each proposed Document up for consideration is presented by a motion to adopt the Technical Committee Report on the Document. Following each such motion, the presiding officer in charge of the session opens the floor to motions on the Document from the final list of Certified Amending Motions followed by any permissible Follow-Up Motions. Debate and voting on each motion proceeds in accordance with NFPA rules. NFPA membership is not required in order to make or speak to a motion, but voting is limited to NFPA members who have joined at least 180 days prior to the session and have registered for the meeting. At the close of debate on each motion, voting takes place, and the motion requires a majority vote to carry. In order to amend a Technical Committee Report, successful amending motions must be confirmed by the responsible Technical Committee, which conducts a written ballot on all successful amending motions following the meeting and prior to the Document being forwarded to the Standards Council for issuance.

**Standards Council Issuance**

One of the primary responsibilities of the NFPA Standards Council, as the overseer of the NFPA codes and standards development process, is to act as the official issuer of all NFPA codes and standards. When it convenes to issue NFPA documents it also hears any appeals related to the Document. Appeals are an important part of assuring that all NFPA rules have been followed and that due process and fairness have been upheld throughout the codes and standards development process. The Council considers appeals both in writing and through the conduct of hearings at which all interested parties can participate. It decides appeals based on the entire record of the process as well as all submissions on the appeal. After deciding all appeals related to a Document before it, the Council, if appropriate, proceeds to issue the Document as an official NFPA code or standard. Subject only to limited review by the NFPA Board of Directors, the Decision of the Standards Council is final, and the new NFPA code or standard becomes effective twenty days after Standards Council issuance. The illustration on page 9 provides an overview of the entire process, which takes approximately two full years to complete.