**SC #10-8-28-d** D#10-20



Amy Beasley Cronin Secretary, Standards Council

17 August 2010

To: Interested Parties

Subject:

Standards Council Decision (Final):	D#10-20
Standards Council Agenda Item:	SC#10-8-28-d
Date of Decision*:	5 August 2010
TIA No. 982 on NFPA 850, Recommended Practice for Fire Protection for	
Electric Generating Plants and High Voltage Direct Current Converter Stations,	
2010 edition	

**Dear Interested Parties:** 

At its meeting of 3-5 August 2010, the Standards Council considered an appeal on the above referenced matter.

Attached is the final decision of the Standards Council on this matter.

Sincerely,

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Amy Beasley Cronin Secretary, NFPA Standards Council

c: D. Berry, M. Brodoff, L. Fuller, J. Levin, J. Moreau-Correia Members, TC on Electric Generating Plants (ECG-AAA) Members, NFPA Standards Council (AAD-AAA) Individuals Providing Appeal Commentary

<sup>\*</sup>NOTE: Participants in NFPA's codes and standards making process should know that limited review of this decision may be sought from the NFPA Board of Directors. For the rules describing the available review and the method for petitioning the Board for review, please consult section 1-7 of the NFPA Regulations Governing Committee Projects and the NFPA Regulations Governing Petitions to the Board of Directors from Decisions of the Standards Council. Notice of the intent to file such a petition must be submitted to the Clerk of the Board of Directors within 15 calendar days of the Date of Decision noted in the subject line of this letter.



Standards Council Decision (Final):D#10-20Standards Council Agenda Item:SC#10-8-28-dDate of Decision\*:5 August 2010TIA No 982 on NFPA 850, Recommended Practice for Fire Protection for<br/>Electric Generating Plants and High Voltage Direct Current Converter Stations,<br/>2010 edition

**SUMMARY ACTION:** The Standards Council voted to uphold the appeal and issue TIA No. 982.

At its meeting of August 3-5, 2010, the Standards Council considered an appeal from Glenn Pecht of Senior Flexonics, requesting the issuance of proposed Tentative Interim Amendment (TIA) No. 982 on the 2010 edition of NFPA 850, *Recommended Practice for Fire Protection for Electric Generating Plants and High Voltage Direct Current Converter Stations*. The proposed TIA seeks to modify Section 11.4.1.1 as follows:

**11.4.1.1\*** ANSI/ASME B31.1, *Power Piping*, should be followed in the design of HTF piping systems. Piping and fittings should be properly designed to resist an exposure fire until protection can be achieved by water spray. To reduce possible sources of leaks, use of rotating ball-joint type connections instead of flexible hose connections in areas such as the HTF loop connection of adjacent solar collector assemblies should be considered. Careful consideration should be given to the design, application, construction, and installation of connections (e.g., rotating ball joint, flexible hose, etc.) employed in areas such as the HTF loop connections of adjacent solar collector assemblies so as to prevent possible sources of HTF leaks. Gaskets and seals should be compatible with HTF. Flanges and piping connections on HTF systems should have guards.

As background, proposed TIA 982 was balloted through the Technical Committee on Electric Generating Plants (TC) in accordance with the *Regulations Governing Committee Projects*, to determine if it had the necessary three-fourths majority support on technical merit and emergency nature to establish a recommendation for issuance. The ballot passed the TC on technical merit, but failed to achieve the necessary support of the TC on emergency nature. No public comments on the proposed TIA were received. Where the ballot does not pass the TC on both technical merit and emergency nature, the recommendation to the Council is to not issue the TIA.

The appeal requests that the Council overturn the action of the responsible TC, and instead issue the TIA. The Council has reviewed the entire record concerning this matter and has considered all the arguments put forth in this appeal. On appeal, the Council generally defers to the responsible TC on technical issues, and here the TC supported the technical merit of the TIA. The TIA, however, failed the ballot on emergency nature by

one vote. The question of emergency nature is one on which the Council gives less deference to the judgment of the TC since evaluation of emergency nature often involves issues of a non-technical nature that the Council itself has an obligation to evaluate to ensure fairness in the treatment of subjects addressed by TIAs. The Council has no difficulty here in concluding the TIA meets the test of emergency nature and accordingly has voted to uphold the appeal and issue TIA No. 982.



Tentative Interim Amendment

## NFPA 850 Recommended Practice for Fire Protection for Electric Generating Plants and High Voltage Direct Current Converter Stations

2010 Edition

**Reference:** 11.4.1.1 **TIA 10-1** (SC 10-8-28/TIA Log #982)

Pursuant to Section 5 of the NFPA Regulations Governing Committee Projects, the National Fire Protection Association has issued the following Tentative Interim Amendment to NFPA 850, *Recommended Practice for Fire Protection for Electric Generating Plants and High Voltage Direct Current Converter Stations*, 2010 edition. The TIA was processed by the Technical Committee on Electric Generating Plants, and was issued by the Standards Council on August 5, 2010, with an effective date of August 25, 2010.

A Tentative Interim Amendment is tentative because it has not been processed through the entire standards-making procedures. It is interim because it is effective only between editions of the standard. A TIA automatically becomes a proposal of the proponent for the next edition of the standard; as such, it then is subject to all of the procedures of the standards-making process.

## 1. Revise 11.4.1.1 to read as follows:

**11.4.1.1**\* ANSI/ASME B31.1, *Power Piping*, should be followed in the design of HTF piping systems. Piping and fittings should be properly designed to resist an exposure fire until protection can be achieved by water spray. Careful consideration should be given to the design, application, construction, and installation of connections (e.g., rotating ball joint, flexible hose, etc.) employed in areas such as the HTF loop connections of adjacent solar collector assemblies so as to prevent possible sources of HTF leaks. Gaskets and seals should be compatible with HTF. Flanges and piping connections on HTF systems should have guards.

Issue Date: August 5, 2010

Effective Date: August 25, 2010

(Note: For further information on NFPA Codes and Standards, please see www.nfpa.org/codelist)

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