

NFPA 8506

Standard on Heat Recovery Steam Generator Systems

1998 Edition



National Fire Protection Association, 1 Batterymarch Park, PO Box 9101, Quincy, MA 02269-9101
An International Codes and Standards Organization

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NFPA 8506

Standard on

Heat Recovery Steam Generator Systems

1998 Edition

This edition of NFPA 8506, *Standard on Heat Recovery Steam Generator Systems*, was prepared by the Technical Committee on Heat Recovery Steam Generators, released by the Technical Correlating Committee on Boiler Combustion System Hazards, and acted on by the National Fire Protection Association, Inc., at its Annual Meeting held May 18–21, 1998, in Cincinnati, OH. It was issued by the Standards Council on July 16, 1998, with an effective date of August 5, 1998, and supersedes all previous editions.

Changes other than editorial are indicated by a vertical rule in the margin of the pages on which they appear. These lines are included as an aid to the user in identifying changes from the previous edition.

This edition of NFPA 8506 was approved as an American National Standard on August 6, 1998.

Origin and Development of NFPA 8506

With the increased use of heat recovery steam generators (HRSGs) in industry, a technical committee was formed in 1993 to prepare a standard covering heat recovery steam generators. This document is the result of the work of this committee. This is the second edition of NFPA 8506 and is similar in organization to the other documents in the 8500 series boiler combustion system hazards standards.

The 1998 edition has incorporated several major changes. Most notable are the revision of purge requirements, the addition of mandatory language for combustion turbine exhaust bypass systems for unfired HRSGs, the elimination of nonmandatory language, and the addition of new definitions.

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Russell N. Mosher, American Boiler Mfrs. Assn., VA [M]
Jerry J. Moskal, ABB Combustion Engr, Inc., CT [M]
Michael C. Polagye, Factory Mutual Research Corp., MA [I]
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James L. Sherman, Baltimore Gas & Electric Co., MD [U]
Peter J. Gore Willse, Industrial Risk Insurers, CT [I]
Henry K. Wong, Foster Wheeler Energy Corp., NJ [M]

Alternates

Tetsuya Fujino, Mitsubishi Heavy Industries America, Inc., CA [M]
(Alt. to M. Kinoshita)
Raymond J. Heitland, Solutia, Inc., FL [U]
(Alt. to D. E. Dressel)
Dennis P. Jenkins, Kemper Nat'l Insurance Cos., NC [I]
(Alt. to R. S. Elek)
Gerald E. McCullion, Honeywell Inc., GA [M]
(Alt. to F. X. Maskol)
John P. O'Rourke, ABB Combustion Engr, Inc., CT [M]
(Alt. to J. J. Moskal)

Richard J. Wachter, Industrial Risk Insurers, CT [I]
(Vot. Alt. to IRI Rep.)
J. C. Waung, Babcock & Wilcox Co., OH [M]
(Alt. to N. C. Polosky)
Harold R. Yates, The Detroit Edison Co., MI [U]
(Alt. to G. P. Seroka)
William G. Yeich, Exxon Research and Engr Co., NJ [U]
(Alt. to S. K. Funk)

Nonvoting

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Committee Scope: This Committee shall have primary responsibility for documents on the reduction of combustion system hazards in single- and multiple-burner boilers with a heat input rate of 12,500,000 Btu/hr and above. This includes all fuels. This Committee also is responsible for documents on the reduction of hazards in pulverized fuel systems, fluidized-bed boilers, heat recovery steam generators, and stoker-fired boilers, at any heat input rate.

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Rep. American Insurance Services Group, Inc.

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John Van Name, Raytheon Engr & Constructors, NY [SE]

Joseph M. Vavrek, Sargent & Lundy, IL [SE]

Alternates

Donald W. Bairley, ABB Combustion Engr Systems, Inc., CT [M]

(Alt. to I. M. Clark)

Rick Fiorenza, Coen Co., Inc., CA [M]

(Alt. to H. F. Honath, Jr.)

Allan G. Gilson, Burns & McDonnell Engr, MO [SE]

(Alt. to R. P. Kaltenbach)

W. J. Johnson, The Dow Chemical Co., TX [U]

(Alt. to S. H. Allen)

Francis X. Maskol, Honeywell Inc., GA [M]

(Alt. to G. E. McCullion)

William Method, The Pritchard Corp., KS [SE]

(Alt. to K. A. Gamble)

Michael C. Polagye, Factory Mutual Research Corp., MA [I]

(Alt. to O. M. Preston)

Stephen L. Somers, John Zink Co./Division of Koch Engr, Co., OK [M]

(Alt. to A. W. Grusi)

Stephen B. Statz, Raytheon Engr & Constructors, NY [SE]

(Alt. to J. Van Name)

Robert H. Warburton, Jr., J. Makowski Mgmt., Co., RI [U]

(Alt. to R. S. Clemens)

Merton W. Bunker, Jr., NFPA Staff Liaison

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Committee Scope: This Committee shall have primary responsibility for documents covering the operation of heat recovery steam generators and the related reduction of combustion system hazards and prevention of boiler furnace explosions. This includes all fuels at any heat input rate.