

NFPA®

82

**Standard on
Incinerators and Waste and
Linen Handling Systems
and Equipment**

2019



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NFPA® 82

Standard on

Incinerators and Waste and Linen Handling Systems and Equipment

2019 Edition

This edition of NFPA 82, *Standard on Incinerators and Waste and Linen Handling Systems and Equipment*, was prepared by the Technical Committee on Incinerators and Waste Handling Systems. It was issued by the Standards Council on November 5, 2018, with an effective date of November 25, 2018, and supersedes all previous editions.

This edition of NFPA 82 was approved as an American National Standard on November 25, 2018.

Origin and Development of NFPA 82

This standard was first adopted by the NFPA in 1948 on recommendation of the Committee on Field Practice. In 1953, a completely revised edition of the text on incinerators was prepared by a representative subcommittee and adopted by the NFPA on recommendation of the Committee on Building Construction. Responsibility for the subject of incinerators was turned over to the Committee on Chimneys and Heating Equipment in 1956. Revised editions were adopted in 1955, 1958, 1960, 1969, 1970, 1971, and 1972. The original 1948 text covered both rubbish handling and incinerators; the 1953, 1955, 1958, and 1960 revisions covered only incinerators. In the 1960 edition, incinerators and rubbish handling were covered by separate standards, NFPA 82, *Standard on Incinerators*, and NFPA 82A, *Standard for Rubbish Handling*, respectively, with NFPA 82A remaining unchanged from the 1948 edition. In the 1969 edition, the subject of rubbish handling was included with incinerators, and NFPA 82A was discontinued as a separate standard. The 1977 edition was expanded to include linen handling systems, and the 1983 edition represented a partial revision, which was mainly editorial.

The 1990 edition contained minor revisions to Chapters 1 and 2, including a minor change to the Scope section. Chapters 3 and 4 were completely revised, and a new Appendix A was added to provide technical information to facilitate the selection of chimney materials for handling saturated and corrosive gases. The entire section on domestic incinerators was deleted from the 1990 edition.

For the 1994 edition, Chapters 3 and 4 were combined into one chapter (new Chapter 3). Limited-combustible construction was recognized by a new definition and by a new exception that allowed limited-combustible construction for a gravity chute enclosure where a building is protected throughout by a supervised automatic sprinkler system. Also, new Chapters 4 and 7 were added to address waste handling systems other than chute systems and waste processing equipment other than compactors.

The 1999 edition clarified that NFPA 82 does not apply to one- and two-family residential structures. Chapter 3 was modified to allow for a maximum 45-degree chute offset above the top-loading door. Additionally, Chapter 3 was modified to reduce the minimum linen chute size to 20 in. and to reduce the termination height of chute venting to 3 ft above the roof of the building. Chapter 5 was also modified to delete the requirements associated with domestic compactors.

The 2004 edition was revised and restructured to conform to the *Manual of Style for NFPA Technical Committee Documents*. Technical changes included clarification of the difference between discharge doors serving waste chutes and those serving linen chutes and clarification of the dimensional requirements for service opening rooms.

The 2009 edition contained a revision to the scope to include maintenance requirements for incinerators and waste and linen handling systems and equipment. A new Chapter 10 was also added to address the maintenance requirements spelled out in the scope. Chapter 8 was revised to include recyclables storage rooms. New definitions for *gravity chute intake door*, *pneumatic chute loading door*, *general access chute*, and *limited access chute* were added to Chapter 3.