ENVIRONMENTAL INDUSTRY ASSOCIATIONS

for Equipment Technology and Operations for Wastes and Recyclable Materials:

Stationary Compactors - Safety Requirements for Manufacturing and Reconstruction
American National Standard
for Equipment Technology and Operations
for Wastes and Recyclable Materials

Stationary Compactors —
Safety Requirements for Manufacturing
and Reconstruction

Secretariat
Environmental Industry Associations

Approved May 1, 2013
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American National Standard

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FOREWORD
(This Foreword is not a part of American National Standard Z245.21 – 2013)

This American National Standard is applicable to the safety requirements for the design, construction, and reconstruction of commercial stationary compactors used in apartment, institutional, commercial and industrial locations, including transfer stations and recycling facilities. A companion standard, ANSI Z245.2 – 2013 establishes safety requirements for the installation, maintenance, repair, modification, and operation of commercial stationary compacting equipment. This standard revises and replaces ANSI Z245.21-2008. This American National Standard does not apply to compactors commonly referred to as domestic or household compactor appliances. Stationary compactors also have been addressed previously in ANSI Z245.2-1992 and ANSI Z245.1 (1978 and 1984 editions), Mobile Refuse Collection and Compaction Equipment, Safety Requirements. For mobile collecting and compacting equipment, refer to ANSI Z245.1.

The effective date of all requirements of this standard shall be 12 months after the approval date of this standard by the American National Standards Institute, Inc. For all stationary compacting equipment manufactured prior to 12 months after the approval date of this standard, please refer to the previous editions of the ANSI Z245.2 standard.

Inquiries, requests for interpretation, and suggestions for improvement of this standard should be directed to the Secretary, Accredited Standards Committee Z245, c/o Environmental Industry Associations, 4301 Connecticut Avenue, NW, Suite 300, Washington, DC 20008.

This standard was processed and approved for submittal to ANSI by the Accredited Standards Committee on Equipment Technology and Operations for Wastes and Recyclable Materials, Z245. Committee approval of this standard does not necessarily imply that all members voted for its approval. At the time it approved this standard, the Z245 Committee had the following members:

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Gerald Zanzig, Vice-Chairman
Janice Comer Bradley, Secretary

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The Z245.21 Standard Development Subcommittee, which drafted this standard, had the following members:

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American National Standard
for Equipment Technology and Operations
for Wastes and Recyclable Materials—

Stationary Compactors —
Safety Requirements for Manufacturing and
Reconstruction

Introduction

This standard was developed by Accredited Standards Committee Z245 Subcommittee 2 on Stationary Compactors and approved by American National Standards Institute Accredited Standards Committee Z245. Certain portions of this material have been reproduced, with permission, from Underwriters Laboratories Inc. (UL) draft standard 1237, *Commercial and Industrial Waste Compactors and Balers*. The effort and support of UL and the 1237 Standards Technical Panel are gratefully acknowledged.

This standard revises the stationary compactor safety requirements found in ANSI Z245.21-2008. The complementary safety requirements for users/operators, installers and maintenance/repair individuals can be found in ANSI Z245.2-2013.

The requirements contained in this standard pertain to the designers, owners, operators, employees and customers of waste transfer stations.

Where transfer stations and material recovery facilities are co-located, the material storage requirements in Z245.41 shall apply.

Exceptions and notes contained in the standard apply to the clause or sub-clause in which they are contained or to which they reference. Exceptions pertain to normative requirements. Notes are informative and provide guidance for the evaluation of a normative requirement.

The units of distance measurement used in this standard are in the inch-pound system. When a value for measurement is followed by a value in other units in parentheses (metric) the second value is only approximate. The first value is the requirement.

1. **Scope**

1.1 This standard revises requirements to minimize the risk of fire, electrical shock and injury to persons during operation and maintenance of stationary compacting equipment for use with wastes and recyclable materials by commercial businesses, apartment buildings, industrial plants, waste processing facilities, waste disposal and transfer industries, and recycling facilities.

1.2 The requirements of this standard apply to stationary compactors rated at 600 volts or less, for outdoor or indoor use, and are employed in accordance with the manufacturer's written installation, operation, and maintenance instructions and procedures.

1.3 This standard does not apply to compactors intended for use in private homes.

1.4 This standard does not apply to mobile landfill compactors and compactor-type equipment that is operational when permanently mounted on trucks or other vehicles.