

American National Standard



ENVIRONMENTAL INDUSTRY A S S O C I A T I O N S

*for Equipment Technology and
Operations for Wastes and
Recyclable Materials ---*

***Facilities for the Processing of Commingled
Recyclable Materials –
Safety Requirements***



WASTE EQUIPMENT TECHNOLOGY ASSOCIATION
A PART OF THE
ENVIRONMENTAL INDUSTRY ASSOCIATIONS

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

Facilities for the Processing of Commingled
Recyclable Materials—
Safety Requirements

Secretariat
Environmental Industry Associations

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American National Standard

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Table of Contents

	Page
Foreword	ii
1 Scope and purpose	1
2 Normative references	2
3 General definitions	2
4 Buildings and plant systems	8
5 Processing machines and systems	13
6 Mobile equipment	30
7 Safety program and training	33
 Figures	
1 Sorting workstation.....	46
2 95th percentile male repetitive reach zone (top view)	47
3 95th percentile male infrequent reach zone (top view)	47
4 95th percentile male occasional reach zone (top view)	48
5 5th percentile female repetitive reach zone (top view)	48
6 5th percentile female infrequent reach zone (top view)	49
7 5th percentile female occasional reach zone (top view)	49
8 95th percentile male repetitive reach zone (side view)	50
9 95th percentile male infrequent reach zone (side view)	50
10 95th percentile male occasional reach zone (side view)	51
11 5th percentile female repetitive reach zone (side view)	51
12 5th percentile female infrequent reach zone (side view)	52
13 5th percentile female occasional reach zone (side view)	52
 Tables	
1 Effective reach	53
2 Effective working height	53
3 MRF training curriculum	54
4 Personal protective equipment	55
 Annexes	
A Bibliography (informative)	56
B Commingled recyclables processing facility (informative).....	57

FOREWORD (This Foreword is not a part of American National Standard Z245.41 - 2004)

This standard establishes safety requirements for the design, manufacture, construction, modification, maintenance and operation of facilities used in the processing of commingled wastes and recyclable materials. It is a revision of the original safety standard, approved and published in 1997. It does not cover other types of facilities such as, waste-to-energy plants, scrap processing facilities, transfer stations, or mixed waste processing facilities, unless there is a commingled processing operation as part of these facilities. In those cases, this standard covers only the part of the facility, which performs the processing of commingled materials.

This standard was developed and revised by ANSI Accredited Standards Committee Z245 Subcommittee 4 on Facility Safety. Representatives from the following organizations also participated in the preparation of the standard and assisted the committee: The Waste Equipment Technology Association (WASTEC) (formerly the Waste Equipment Manufacturers Institute and the Institute of Waste Equipment Distributors) Processing Equipment Project Working Group, representatives of independent manufacturers, end-users, consultants, and equipment distributors.

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:

Gary Satterfield, Chairman
C. Phillip Headley, Secretary

The members of Accredited Standards Committee Z245, and the organizations represented, who participated in the development of this standard were:

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1 Scope and purpose

1.1 Scope

This American National Standard is applicable to all persons who design, manufacture, assemble, modify, operate, clean, maintain, service, or repair material recovery facilities (MRFs) which engage in receiving, storing, and processing commingled recyclable materials which have been previously collected or otherwise diverted from the solid waste stream. This standard does not apply to scrap processing facilities (North American Industry Classification system code number 42193, formerly Standard Industrial Classification number 5093), unless the scrap processing facility operates a MRF, which MRF would then be subject to this standard.

The safety requirements are divided into 7 sections and are applicable as described in 1.1.1 through 1.1.3.

1.1.1 Sections 1 through 3 provide general information and definitions and shall apply to all material recovery facilities (MRFs) covered by this standard.

1.1.2 Sections 4 through 6 provide for physical plant, processing machinery and mobile equipment requirements that shall apply to both new and existing MRFs.

1.1.3 Section 7 provides for safety programs and safety requirements that shall apply to both new and existing MRFs.

1.2 Purpose

This standard establishes safety requirements with respect to the design, manufacture, installation, reconstruction, modification, maintenance, and operation of facilities for the processing of commingled recyclable materials.

1.3 Effective date

The effective date of sections four, five, and six of this standard for existing facilities shall be two (2) years after the approval date of this standard by the American National Standards Institute. Training and employer requirements sections shall be effective six (6) months after the approval date of this standard. All facilities placed in operation eighteen (18) months after the approval date of this standard shall be designed, constructed and operated in accordance with the requirements of this standard.