ANSI/ASSP A10.26-2011 (R2016)

Emergency Procedures for Construction and Demolition Sites

The American Society of Safety Engineers (ASSE) is now the American Society of Safety Professionals (ASSP). ASSP continues to be the Secretariat for the committee producing this standard and continues to hold the copyright to this standard. There is no change to the content and requirements in the standard. The only change is on the cover indicating the organizational name change of the standards developing organization from ASSE to ASSP.



AMERICAN SOCIETY OF SAFETY PROFESSIONALS



The information and materials contained in this publication have been developed from sources believed to be reliable. However, the American Society of Safety Engineers (ASSE) as secretariat of the ANSI accredited A10 Committee or individual committee members accept no legal responsibility for the correctness or completeness of this material or its application to specific factual situations. By publication of this standard, ASSE or the A10 Committee does not ensure that adherence to these recommendations will protect the safety or health of any persons, or preserve property.

ANSI/ASSE A10.26 – 2011 (R2016)

American National Standard Construction and Demolition Operations

Emergency Procedures for Construction and Demolition Sites

Secretariat

American Society of Safety Engineers 520 N. Northwest Highway Park Ridge, Illinois 60068

Approved May 3, 2016

American National Standards Institute, Inc.

American National Standard

Approval of an American National Standard requires verification by ANSI that the requirements for due process, consensus, and other criteria for approval have been met by the standards developer. Consensus is established when, in the judgment of the ANSI Board of Standards Review, substantial agreement has been reached by directly and materially affected interests. Substantial agreement means much more than a simple majority, but not necessarily unanimity. Consensus requires that all views and objections be considered, and that a concerted effort be made toward their resolution. The use of American National Standards is completely voluntary; their existence does not in any respect preclude anyone, whether he/she has approved the standards or not, from manufacturing, marketing, purchasing, or using products, processes, or procedures not conforming to the standards. The American National Standards Institute does not develop standards and will in no circumstance give an interpretation of any American National Standard. Moreover, no person shall have the right or authority to issue an interpretation of an American National Standard in the name of the American National Standards Institute. Requests for interpretation should be addressed to the secretariat or sponsor whose name appears on the title page of this standard.

Caution Notice: This American National Standard may be revised or withdrawn at any time. The procedures of the American National Standards Institute require that action be taken periodically to reaffirm, revise, or withdraw this standard. Purchasers of American National Standards may receive current information on all standards by calling or writing the American National Standards Institute.

Published June 2016 by

American Society of Safety Engineers 520 N. Northwest Highway Park Ridge, Illinois 60068 (847) 699-2929 • www.asse.org

Copyright 2016 by American Society of Safety Engineers All Rights Reserved.

No part of this publication may be reproduced in any form, in an electronic retrieval system or otherwise, without the prior written permission of the publisher.

Printed in the United States of America

Foreword (This Foreword is not a part of American National Standard A10.26-2011 (R2016).)

This standard is one of a series of safety standards that have been formulated by the Accredited Standards Committee on Safety in Construction and Demolition Operations, A10. It is expected that the standards in the A10 series will find a major application in industry, serving as a guide to contractors, labor, and equipment manufacturers. For the convenience of users, a list of existing and proposed standards in the A10 series for Safety Requirements in Construction and Demolition Operations follows.

- A10.1 Pre-Project & Pre-Task Safety & Health Planning
- A10.2 Safety, Health and Environmental Training (under development)
- A10.3 Powder-Actuated Fastening Systems
- A10.4 Personnel Hoists and Employee Elevators
- A10.5 Material Hoists
- A10.6 Demolition Operations
- A10.7 Transportation, Storage, Handling and Use of Commercial Explosives and Blasting Agents
- A10.8 Scaffolding
- A10.9 Concrete and Masonry Construction
- A10.10 Temporary and Portable Space Heating Devices
- A10.11 Personnel Nets
- A10.12 Excavation
- A10.13 Steel Erection
- A10.15 Dredging
- A10.16 Tunnels, Shafts and Caissons
- A10.17 Safe Operating Practices for Hot Mix Asphalt (HMA) Construction
- A10.18 Temporary Roof and Floor Holes, Wall Openings, Stairways and Other Unprotected Edges
- A10.19 Pile Installation and Extraction Operations
- A10.20 Ceramic Tile, Terrazzo, and Marble Work
- A10.21 Safe Construction and Demolition of Wind Generation/Turbine Facilities (under development)
- A10.22 Rope-Guided and Non-Guided Workers' Hoists
- A10.23 Safety Requirements for the Installation of Drilled Shafts
- A10.24 Roofing Safety Requirements for Low-Sloped Roofs
- A10.25 Sanitation in Construction
- A10.26 Emergency Procedures for Construction Sites
- A10.27 Hot Mix Asphalt Facilities
- A10.28 Work Platforms Suspended from Cranes or Derricks
- A10.29 Aerial Platforms in Construction (under development)
- A10.31 Digger-Derricks
- A10.32 Personal Fall Protection Used in Construction and Demolition Operations
- A10.33 Safety and Health Program Requirements for Multi-Employer Projects
- A10.34 Public Protection
- A10.37 Debris Nets
- A10.38 Basic Elements of a Program to Provide a Safe and Healthful Work Environment
- A10.39 Construction Safety and Health Audit Program
- A10.40 Reduction of Musculoskeletal Problems in Construction
- A10.42 Rigging Qualifications and Responsibilities in the Construction Industry
- A10.43 Confined Spaces in Construction (under development)
- A10.44 Lockout/Tagout in Construction

A10.46 Hearing Loss PreventionA10.47 Highway Construction SafetyA10.48 Communication Tower Erection (under development)A10.49 Control of Health Hazards

One purpose of these standards is to serve as guides to governmental authorities having jurisdiction over subjects within the scope of the A10 Committee standards. If these standards are adopted for governmental use, the reference of other national codes or standards in individual volumes may be changed to refer to the corresponding regulations.

Revisions: The A10 Committee welcomes proposals for revisions to this standard. Revisions are made to the standard periodically (usually five years from the date of the standard) to incorporate changes that appear necessary or desirable, as demonstrated by experience gained from the application of the standard. Proposals should be as specific as possible, citing the relevant section number(s), the proposed wording and the reason for the proposal. Pertinent documentation would enable the A10 Committee to process the changes in a more-timely manner.

Interpretations: Upon a request in writing to the Secretariat, the A10 Committee will render an interpretation of any requirement of the standard. The request for interpretation should be clear, citing the relevant section number(s) and phrased as a request for a clarification of a specific requirement. Oral interpretations are not provided.

No one but the A10 Committee (through the A10 Secretariat) is authorized to provide any interpretation of this standard.

Approval: Neither the A10 Committee nor American National Standards Institute (ANSI) approves, certifies, rates or endorses any item, construction, proprietary device or activity.

Appendices: Appendices are included in most standards to provide the user with additional information related to the subject of the standard. Appendices are not part of the approved standard.

Checklists: Checklists included in A10 standards may be copied and used in noncommercial settings only.

Committee Meetings: The A10 Committee meets twice per year. Persons wishing to attend a meeting should contact the Secretariat for information.

Standard Approval: This standard was processed and approved for submittal to ANSI by the American National Standards Committee on Safety in Construction and Demolition Operations, A10. Approval of the standard does not necessarily imply (nor is it required) that all Committee members voted for its approval. At the time ANSI approved this standard, the A10 Committee had the following members:

Richard King, CSP, Chair Steven Rank, Vice Chair Timothy R. Fisher, CSP, CHMM, ARM, CPEA, Secretary Ovidiu Munteanu, Assistant Secretary Jennie Dalesandro, Administrative Technical Support

Organization Represented

Accident Prevention Corporation

American Insurance Services Group

ASCE - Construction Institute Committee

American Society of Safety Engineers

American Wind Energy Association

American Work Platform Training, Inc. Associated Builders and Contractors, Inc.

Associated General Contractors of America, The

Association of Union Constructors, The

A-Z Safety Resources, Inc. Barton-Malow Company

Black & Veatch

Building & Construction Trades Department

CPWR - Center for Construction Research & Training Capital Safety Group (3M Corporation)

Clark Construction Group Cole-Preferred Safety Consulting, Inc. Philip L. Colleran Construction & Realty Safety Group, Inc.

Edison Electric Institute

Elevator Industry Work Preservation Fund

Ellis Fall Safety Solutions

Engineering Systems, Inc.

Fluor Corporation

Gilbane Building Co.

Richard D. Hislop

Name of Representative

Frank Burg, CSP, P.E. Terry Krug, CSP, CIH Thad Nosal James G. Borchardt, CSP, CPE, CRIS William R. Nash, P.E. Harlan Fair, P.E. Ken Shorter, CSP, ARM, TCDS A. David Brayton, CSP, CPC **Christopher Daniels** Michele Myers Mihelic Dennis W. Eckstine Ralph Riley Lauren Williams Michael McCaffrey Kevin Cannon Wayne Creasap, II Kathleen Dobson, CSP, CHST, STS-C Jane F. Williams, CPEA, CCA Jeffrey Oliver Mark Haggenmaker Richard F. King, CSP John H. Johnson, CSP Pete Stafford Chris Trahan, CIH Bruce Lippy, Ph.D., CIH, CSP Scott C. Casebolt Joseph Yeatman Kurt Dunmire, CSP, CHST Barry Cole Philip L. Colleran, CSP Ron Lattanzio Frank Marino R. Lee Reed, Jr. Charles Kelly Michael D. Morand James Demmel J. Nigel Ellis, Ph.D., P.E., CSP, CPE John T. Whitty, P.E. David Ahearn, P.E. Ed Tuczak, P.E. Michael Weatherred, CSP Craig Clairmont, CIH Anthony O'Dea, CSP, CHST Charles Praul, Jr., CSP Richard Hislop Shawn Bradfield

Independent Electrical Contractors, Inc.

Innovative Safety, LLC

Institute of Makers of Explosives

Insulators International Union

International Association of Bridge, Structural, Ornamental and Reinforcing Iron Workers International Brotherhood of Boilermakers

International Brotherhood of Electrical Workers International Brotherhood of Teamsters

International Safety Equipment Association International Union of Bricklayers & Allied Craftworkers

International Union of Operating Engineers Jack L. Mickle & Associates

Kiewit power Constructors Co.

Laborers' International Union of North America

Lamar Advertising

Lend Lease

Liberty Mutual Insurance

Marsh USA, Inc. Maryland Occupational Safety & Health

Mechanical Contractors Association of America

National Association of Home Builders

National Association of Railroad Safety Consultants & Investigators National Electrical Contractors Association

National Institute for Occupational Safety & Health

National Railroad Contractors & Maintenance Association National Roofing Contractors Association

National Society of Professional Engineers

Operative Plasterers and Cement Masons International Association Phoenix Fabricators and Erectors, Inc.

Powder Actuated Tool Manufacturer's Institute

John P. Masarick Jerry Rivera Daniel M. Paine Barbara Paine Susan JP Flanagan Ronald Thomas Terry Lynch Jim E. Lapping, MS, P.E., CSP

Steven Rank Mark Garrett Bridget Connors David Mullen LaMont Bvrd, CIH Asher Tobin Cristine Fargo Michael Kassman, CHST Gerard Scarano Barbara McCabe Jack Mickle, Ph.D., P.E. Steve Stock, P.E., PLS Rusty Brown, CSP Jason Scollin, CSP Scott Schneider, MS, CIH Walter A. Jones, MS, CIH Chuck Wigger, CSP Micky Vint Joel Pickering, CET, CHMM Michael Lentz Daniel P. Lavoie, CSP, ARM Stan Williams, ARM, CHST Timothy Bergeron, CSP Mischelle Vanreusel Michael Daughaday Peter Chaney, MS, CSP Dennis Langley Robert Matuga Chelsea Vetick

Lewis Barbe, P.E., CSP, CRSP Michael J. Johnston Wesley Wheeler Thomas G. Bobick, Ph.D., P.E., CSP, CPE G. Scott Earnest, Ph.D., P.E, CSP

Jeffrey D. Meddin, CSP, CHEP, CHCM Harry Dietz Tom Shanahan E. Ross Curtis, P.E., DFE Paul Swanson, P.E.

Deven Johnson Luke Humphrey Frank Massey James A. Borchers Craig Pratt Power Consultants, Incorporated

Professional Safety Consultants, Inc.

Ryland Group, Inc., The Safety Environmental Engineering, Inc.

Scaffolding, Shoring & Forming Institute Shafer Safety Solutions, LLC Sheet Metal & Air Conditioning Contractors' National Association Sheet Metal Workers International Association

SPA, Incorporated Turner Construction Company

United Association of Plumbers and Pipefitters

United Brotherhood of Carpenters and Joiners of America United Union of Roofers, Waterproofers and Allied Workers U.S. Department of the Army – Corps of Engineers

U.S. Department of Energy

West Virginia University Extension Service

ZBD Constructors (Zurn Industries)

Independent Experts & Observers:

Balfour Beatty Construction, LLC PAR Electrical Contractors

Subgroup A10.26 had the following members:

Joel Pickering, CET, CHMM (Chair) Daniel Paine (Liaison) Robert C. Adams Jamie F. Becker Chris Dellacqua, CSP, CIH Carl Heinlein, CSP, ARM, CPEA, CSHM, OHST Michael Kassman, CHST Robert S. Livingston, CSP CHST John A. MacDonald James D. McIntosh, CIH, CSP Richard Sanner Camille Villanova Eric Voight Jane F. Williams, CPEA, CCA David Goldsmith Camille Villanova Jim E. Lapping, MS, P.E., CSP Anthony Brown Bob Masterson, CSP Matthew Murphy Elliot Niefeld Granville Loar Carmen Shafer, CSP, CHST, CRIS

Mike McCullion, CSP, ARM Randall Krocka Charles Austin, MS Stanley Pulz, CSP, P.E. Cindy L. DePrater, ALCM Paul Huntley Rich Benkowski Laurie Shadrick William Irwin Dale Shoemaker

John Barnhard Brian Becker, MS Andrew Blaisdell, MS, El Bill R. McArthur, Ph.D., CIH Terry Meisinger Brandon Takacs, CSHM Mark Fullen, Ed.D., CSP Greg Thompson, CSP Jeffrey D. Meddin, CSP, CHEP, CHCM

Charles Bird Steven T. Theis Lee Boulanger

Contents	SECTION	PAGE
	1. General 1.1 Scope 1.2 Purpose 1.3 Exceptions	10 10
	 Referenced Standards	10 11
	3. Definitions	11
	 4. Pre-Planning and Coordination 4.1 Hazard Assessment 4.2 Emergency/Incident Action Plan (EAP) 	15
	 Emergency/Incident Management	24 25
	 6. First Aid and Emergency Medical Care 6.1 General Requirements. 6.2 First-Aid Personnel 6.3 First-Aid Kits 6.4 First-Aid Stations and Infirmaries 	27 27 27
	 7. Appendices	29
	 Appendices: 1 Emergency Action Plan	31 32 33

AMERICAN NATIONAL STANDARD A10.26 EMERGENCY PROCEDURES FOR CONSTRUCTION SITES

1. GENERAL

1.1 Scope. This standard applies to those emergency procedures involving:

1. Fires, collapses, hazardous spills and other emergencies that could endanger workers;

2. Emergency rescue of injured or ill workers or other persons, or of uninjured workers unable to rescue themselves;

3. Onsite provision of first aid and emergency medical care;

4. Evacuation and transportation of injured or ill workers to appropriate emergency medical facilities;

5. Pre-planning and coordination of emergency plan with emergency medical facilities; and

6. Training on emergency procedures/plans for workers and other groups.

1.2 Purpose. The purpose of this standard is to provide guidelines for the development of emergency procedures for construction sites.

1.3 Exceptions. Where completion of these requirements is impractical or would present significant hardship, or where other extenuating circumstances exist, the enforcing authority may permit alternative methods, but only when it is clearly evident and documented that equivalent methods and means of protection are used.

2. REFERENCED STANDARDS

2.1 OSHA Standards and Requirements for Emergencies. All applicable OSHA and related state regulations related to emergency activities and rescue shall be followed, such as but not limited to:

29 CFR 1926.33, Access to Employee Exposure and Medical Records (See 29 CFR 1910.1020 for text)

29 CFR 1926.35, *Employee Emergency Action Plans*

29 CFR 1926.50, *Medical Services and First Aid*

29 CFR 1926.59, *Hazard Communication* (See 29 CFR 1910.1200 for text) such as paragraphs (e), (f), (g) and (h)

29 CFR 1926.64, *Process Safety Management of Highly Hazardous Chemicals* such as paragraphs (e), (f), (g), (h), (j), (m) and (o)

29 CFR 1926.65, *Hazardous Waste Operations and Emergency Response* such as paragraphs (b), (c), (f), (l), (p) and (q)

29 CFR 1926.106, Working Over or Near Water

29 CFR 1926.150, *Fire Protection and Prevention*

29 CFR 1926.151, Fire Prevention

29 CFR 1926.200, Accident Prevention Signs and Tags

29 CFR 1926.502, *Fall Protection Systems Criteria and Practices* such as paragraph (d)

29 CFR 1926.800, *Underground Construction* such as paragraph (g)