

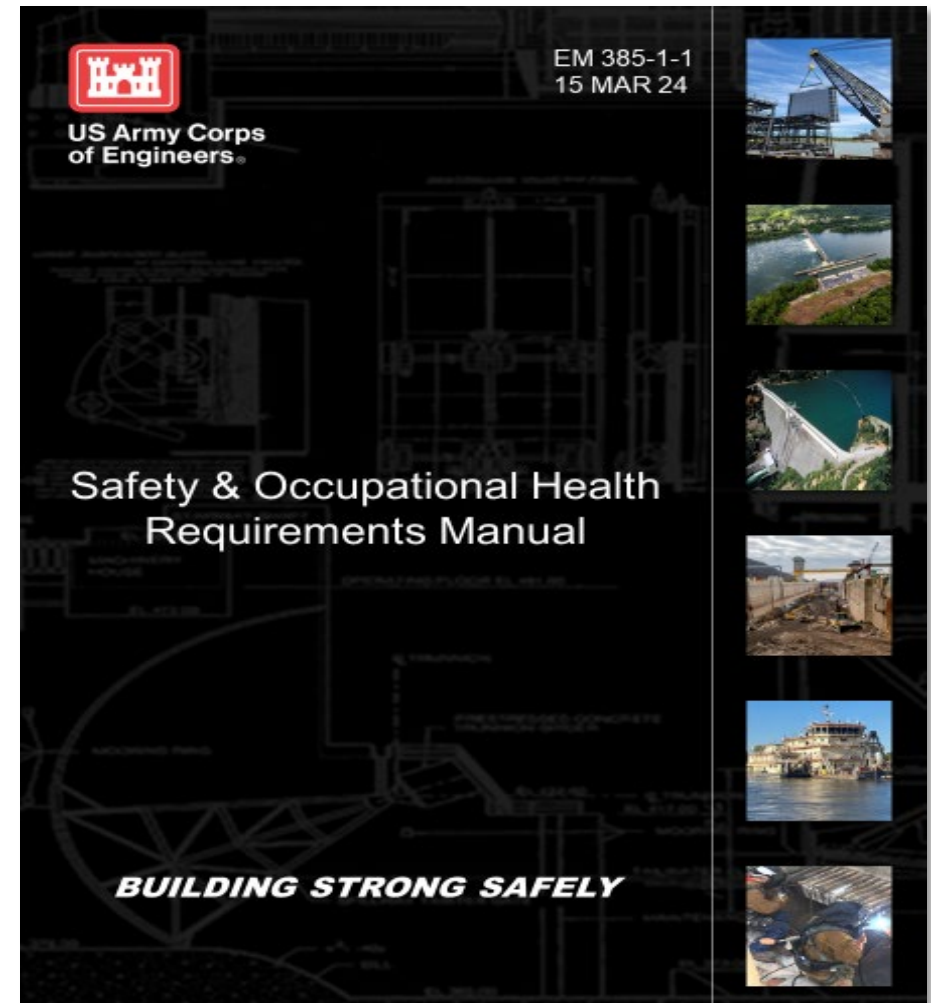
EM 385-1-1

OVERVIEW OF THE UPDATED EM 385-1-1 (15 MARCH 2024)

SUMMARY OF SIGNIFICANT CHANGES



US Army Corps
of Engineers®





EM 385-1-1 LOCATION

2



← ↻ 🏠 🔒 <https://www.publications.usace.army.mil>

🔍 🔊 ☆ ⚙️ | 📄 📌 🔄 🌐

🇺🇸 An official website of the United States government [Here's how you know](#) ▾



USACE Publications ▾ Army Publications Related Publications Contact ▾

Search Publication 🔍

US Army Corps of Engineers Official Publications of HQ USACE Website

Official Publications of the Headquarters

This collection of publications is the single official repository for official U.S. Army Corps of Engineers (USACE) Engineering Regulations (ERs), Engineering Circulars (ECs), Engineering Manuals (EMs) and other official public documents originating from Headquarters USACE.

In order to read or print these documents, you must download the free Adobe Acrobat Reader available at <http://www.adobe.com>.

These publications are provided in secure portable document format (PDF). Our document security allows for reading, high resolution printing, and accessibility for the blind.

Updates

Our new website

We hope you like the look of our new website. We've tried to keep the same functionality our users are accustomed to and add some new features that will help you. Please provide us [feedback](#) with your thoughts and ideas to better serve you.

Questions?

Having trouble finding what you are looking for? Not sure what you need or where to look? [Ask a Librarian](#). We have the experts available to help you.

If you have a question about a specific USACE Publication, please contact us at hqpublications@usace.army.mil. If you have a change request, please submit the [Publication Change Request Form](#) to us at hqpublications@usace.army.mil



Department
of the Army



Department
of Defense



Government
Printing Office



Library of
Congress



EM 385-1-1 LOCATION

3



USACE Publications

Army Publications

Related Publications

Contact

Search Publication



Army Regulations - Supplements

Publications of HQ USACE Website

CG's Policy Notices

Engineer Circulars

Engineer Design Guides

Engineer Forms

Engineer Manuals

Engineer Pamphlets

Engineer Regulations

Engineer Technical Letters

Engineer Standards - Graphics

Miscellaneous

Official Publications

This collection of official U.S. Army Corps of Engineers (USACE) Engineering Regulations (ERs), Engineer Circulars (ECs), Engineer Design Guides (EDGs), Engineer Forms (EFs), Engineer Manuals (EMs), Engineer Pamphlets (EPs), Engineer Regulations (ERs), Engineer Technical Letters (ETLs), Engineer Standards - Graphics (ESGs), and Miscellaneous Publications (MPs) is available on this website.

In order to read these documents, you must download the free Adobe Acrobat Reader available at <http://www.adobe.com>.

These publications are available in the document format (PDF). Our document security allows for reading, high resolution printing, and downloading.

Updates

Our new website

We hope you will find our new website easier to use. We've tried to keep the same functionality our users are accustomed to and add some new features that will help you. Please provide us [feedback](#) with your thoughts and ideas to better serve you.

Headquarters

This website is a repository for official U.S. Army Corps of Engineers (USACE) Engineering Regulations (ERs), Engineer Circulars (ECs), Engineer Design Guides (EDGs), Engineer Forms (EFs), Engineer Manuals (EMs), Engineer Pamphlets (EPs), Engineer Regulations (ERs), Engineer Technical Letters (ETLs), Engineer Standards - Graphics (ESGs), and Miscellaneous Publications (MPs) originating from Headquarters USACE.

In order to read these documents, you must download the free Adobe Acrobat Reader available at <http://www.adobe.com>.

These publications are available in the document format (PDF). Our document security allows for reading, high resolution printing, and downloading.

Questions?

Having trouble finding what you are looking for? Not sure what you need or where to look? [Ask a Librarian](#). We have the experts available to help you.

If you have a question about a specific USACE Publication, please contact us at hqpublications@usace.army.mil. If you have a change request, please submit the [Publication Change Request Form](#) to us at hqpublications@usace.army.mil



Department of the Army



Department of Defense



Government Printing Office



Library of Congress



EM 385-1-1 LOCATION

4



USACE Publications ▾ Army Publications Related Publications Contact ▾

Search Publication 🔍

US Army Corps of Engineers Official Publications of HQ USACE Website

🏠 / USACE Publications / Engineer Manuals

Engineer Manuals



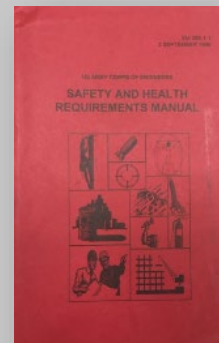
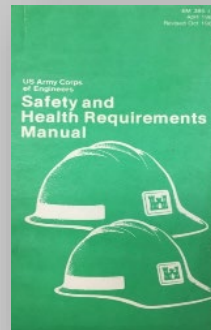
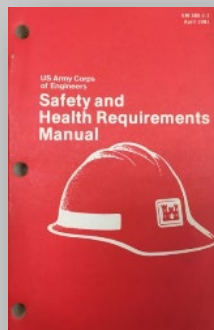
Key Words

Search

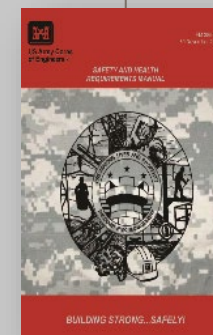
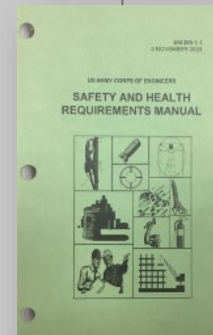
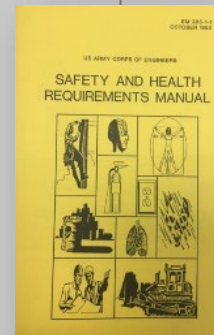
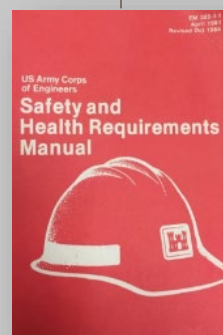
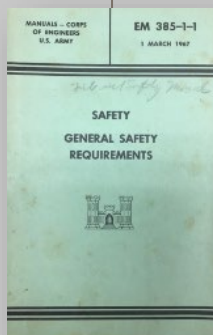
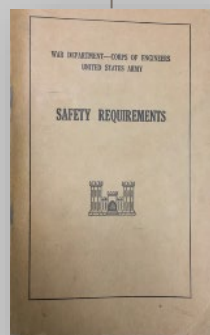
Pub Number	Proponent	Title	Pub Date	Latest Review	Info
EM 200-1-2	CEMP-RT	Technical Project Planning (TPP) Process	2/29/2016		i
EM 200-1-4	CEMP-RT	Risk Assessment Handbook - Volume I: Human Health Evaluation	1/31/1999		i
EM 200-1-4	CEMP-RT	Risk Assessment Handbook: Volume II - Environmental Evaluation	12/31/2010		i
EM 200-1-6	CEMP-RT	Chemical Quality Assurance for Hazardous, Toxic, and Radioactive (HTRW) Projects	10/10/1997		i
EM 200-1-7	CEMP-RT/CECW-E	Environmental Quality - Performance Evaluation (PE) Program	2/1/2001		i
EM 200-1-10	CEMP-CE/CECW-EC	Environmental Quality - Guidance for Evaluating Performance-Based Chemical Data	3/1/2021		i
EM 200-1-12	CEMP-CE	Environmental Quality: Conceptual Site Models	8/11/2023		i
EM 200-1-13	CECW-CE	Environmental Quality: Minimizing the Risk of Legionellosis Associated with Building Water Systems on Army Installations	9/30/2016		i
EM 200-1-15	CEMP-CE	Environmental Quality Technical Guidance For Military Munitions Response Actions	10/30/2018		i
EM 200-1-16	CEMP-CE	Environmental Quality - Environmental Statistics	5/31/2013		i
EM 200-1-19	CEMP-CE	IN-SITU AIR SPARGING	12/31/2013		i
EM 200-1-21	CEMP-CE	Design: IN SITU Thermal Remediation	5/30/2014		i
EM 200-1-22	CEMP-CE	Landfill Gas Collection and Treatment Systems	4/30/2013		i
EM 385-1-1	CESO-ZA	EFFECTIVE through 14March2024 Safety and Health Requirements - English	11/30/2014		i
EM 385-1-1	CESO	EFFECTIVE: 15March2024 Safety and Occupational Health (SOH) Requirements. NOTE: EM 385-1-1 dated 30Nov2014 is in effect through 14Mar2024.	3/15/2024		i
EM 385-1-80	CESO	Radiation Protection Manual	9/30/2013		i
EM 385-1-87	CESO-E	Environmental Quality - Human Health Risk Assessment Manual	5/17/2018		i



HISTORICAL PERSPECTIVE



1941 ← 83 YEARS → 2024



Originated in 1941



Covers both USACE employees + contractors



Used for portion of OSHA regulations in 1971



Last update was in November 2014

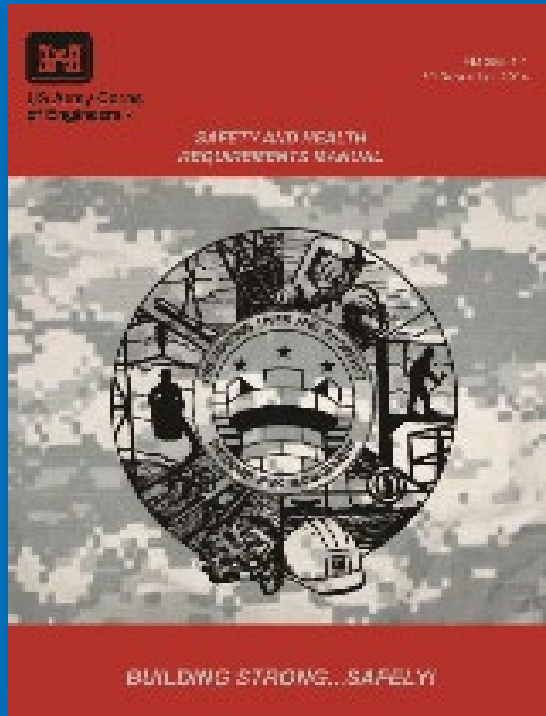


EM 385-1-1 HIGHLIGHTS

6



2014



930 pages



Better Alignment with:



Industry Standard

2024



757 pages



NEW TABLE OF CONTENTS



Chapter 1:	Safety and Occupational Health Program Management for USACE Personnel
Chapter 2:	Safety and Occupational Health Program Management for Contractors ←→ New Chapter
Chapter 3:	Medical and First Aid
Chapter 4:	Temporary Facilities
Chapter 5:	Personal Protective and Lifesaving Equipment
Chapter 6:	Hazardous or Toxic Agents and Environments
Chapter 7:	Lighting
Chapter 8:	Accident Prevention Signs, Tags, Labels, Signals, and Traffic Control
Chapter 9:	Fire Prevention and Protection
Chapter 10:	Welding and Cutting
Chapter 11:	Electrical
Chapter 12:	Control of Hazardous Energy
Chapter 13:	Hand and Power Tools
Chapter 14:	Material Handling, Storage, Disposal, and Conveyors
Chapter 15:	Rigging
Chapter 16:	Load Handling Equipment
Chapter 17:	Demolition, Renovation, and Re-Occupancy
Chapter 18:	Vehicles, Machinery, and Mechanized Equipment

Chapter 19:	Floating Plant and Marine Activities
Chapter 20:	Pressurized Equipment and Systems
Chapter 21:	Fall Protection
Chapter 22:	Working Platforms and Scaffolding
Chapter 23:	Rope Access ←→ New Chapter
Chapter 24:	Safe Access
Chapter 25:	Excavation and Trenching
Chapter 26:	Underground Construction, Shafts, and Caissons
Chapter 27:	Concrete, Masonry, Roofing, and Wood Construction
Chapter 28:	Steel Erection
Chapter 29:	Blasting
Chapter 30:	Diving Operations
Chapter 31:	Tree Maintenance and Removal
Chapter 32:	Airfield and Aircraft Operations
Chapter 33:	Uncrewed Aircraft ←→ New Chapter
Chapter 34:	Confined Space
Chapter 35:	Sanitation
Chapter 36:	Hazardous Waste Operations and Emergency Response
Chapter 37:	Emergency Operations ←→ New Chapter

NOTE: Chapters in **“BLUE”** are new areas not previously included in the EM 385-1-1



MAJOR HIGHLIGHTS

8

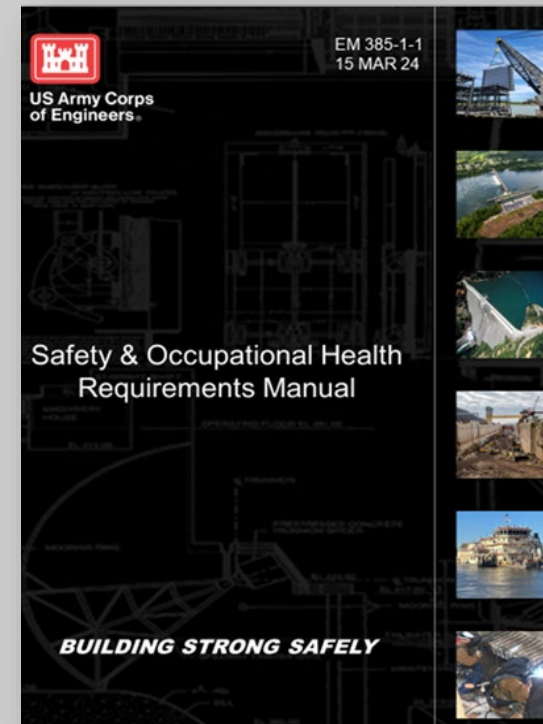


UNIFORM SECTIONS PER CHAPTER

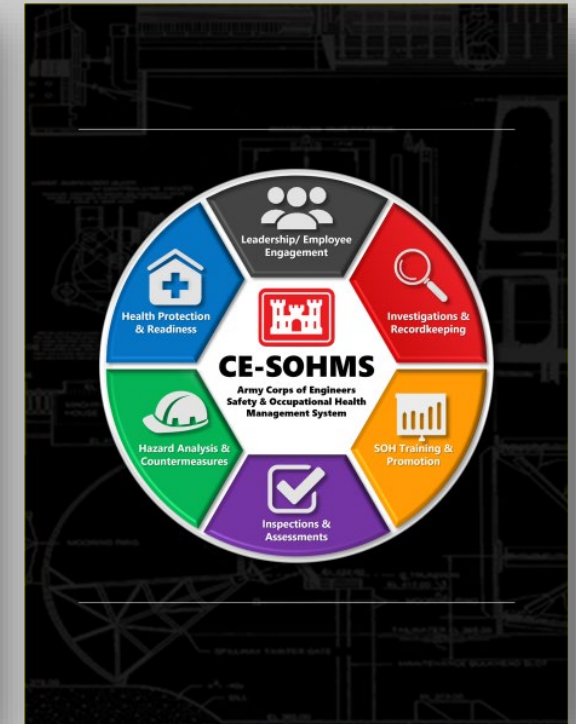
- XX-1. References
- XX-2. Definitions
- XX-3. Personnel Required Qualification / Training
- XX-4. Roles and Responsibilities
- XX-5. Inspection Requirements
- XX-6. Activity Hazard Analysis (AHA) Requirements
- XX-7. Minimum Plan Requirements
- XX-8. General Requirements
- XX-9. Figures and Tables
- XX-10. Checklists and Forms

Numerous additions for clarity

2024 DESIGN FOR THE EM 385-1-1



FRONT COVER



BACK COVER



MAJOR HIGHLIGHTS



- All appendixes provided in previous editions have been removed from this edition.

Appendix A – Minimum Basic Outline for Accident Prevention Plans is now covered in para 7 of each chapter. Contractors should utilize APP Worksheet provided as Form 2-10.a to assist in the develop of an APP.

Appendix B – Emergency Operations has been replaced with Chapter 37.

Appendix C - Process for Requested Interpretations incorporated into Introduction/Preamble section.

Appendix D - Process for Requesting Waivers/Variances incorporated into Introduction/Preamble section.

MAJOR HIGHLIGHTS



- All appendixes provided in previous editions have been removed from this edition.

Appendix E – Assured Equipment Grounding Conductors Program incorporated into Chapter 15 – Electrical.

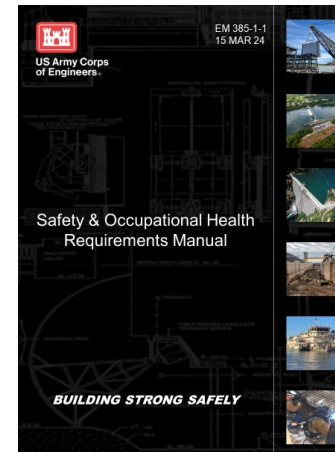
Appendix F – Floating Plant and Marine Activities Diagrams relocated to Chapter 29 – Floating Plant and Marine Activities, paragraph 29-9, Figures and Tables.

Appendix G – Manning Levels for Dive Teams incorporated into Chapter 28 – Diving Operations, paragraph 28-9, Figures and Tables.

Appendix Q – Definitions is now incorporated in paragraph 2 of each chapter. Only terms applicable for the chapter are identified.

EM 385-1-1

USACE Safety & Occupational Health Requirements Manual



PREAMBLE



US Army Corps
of Engineers®

U.S. ARMY



APPLICABILITY FOR EM 385-1-1

Construction contract work under the provisions of FAR Clause 52.236-13.



CONTRACT DATE

Contractors must comply with the **latest version of this manual (including interim changes) that is in effect on the date of solicitation**. Prior to making an offer, bidders should check the HQUSACE Safety and Occupational Health website for the latest changes. No separate payment will be made for compliance with this paragraph or for compliance with other safety and health requirements of this contract.

Note. Existing contracts will continue to apply the provisions of the previous edition of this manual until contract completion.



MAINTENANCE

Maintenance, service, research/development, and supply

Must comply with this manual. Compliance with this manual will be a contract requirement for all activities unless technical representatives (in coordination with local Safety and Occupational Health Office) advise that special precautions are not appropriate due to extremely limited scope of services or similar.



HTRW

Hazardous, toxic, and radioactive waste site (HTRW) investigation, design, or remediation

Compliance with this manual will be a contract requirement.

MAJOR HIGHLIGHTS



- All changes are identified by underlining of the text.
- All interim and permanent changes made to this manual after its publication date will be posted on the official publications HQ USACE website:
<https://www.publications.usace.army.mil/>.
- Supplementations can only be authorized by the Chief of Safety and Occupational Health, HQUSACE.

CITATION INSTRUCTIONS

This manual uses citations to allow the user to quickly navigate each chapter and paragraphs. The citations start with the chapter number, then paragraph number, followed by a letter corresponding to the sub-paragraph.

For example, 10-3.b means chapter 10, paragraph 3, first subparagraph b.

<https://www.publications.usace.army.mil/>



CITATIONS



1-1. References.

- a. ANSI/ ASSP A10.33 Safety and Health Program Requirements for Multi-Employer Projects (<https://webstore.ansi.org/>) (1-1.a)
- b. ANSI/ASSP Z490.1, Criteria for Accepted Practices in Safety, Health and Environmental Training (<https://webstore.ansi.org/>) (1-1.b)
- c. AR 40-5, Army Public Health Program (<https://armypubs.army.mil/ProductMaps/PubForm/AR.aspx>) (1-1.c)
- d. AR 385-10, The Army Safety and Occupational Health Program (<https://armypubs.army.mil/ProductMaps/PubForm/AR.aspx>) (1-1.d)
- e. DA Pam 385-10, Army Safety Program and Occupational Health Program Procedures (<https://armypubs.army.mil/ProductMaps/PubForm/PAM.aspx>) (1-1.e)
- f. DA Pam 385-40, Army Mishap Investigations and Reporting (<https://armypubs.army.mil/ProductMaps/PubForm/PAM.aspx>) (1-1.f)
- g. DoDI 6055.1, DoD Safety and Occupational Health Program (<https://www.esd.whs.mil/Directives/issuances/dodi/>) (1-1.g)
- h. DoDI 6055.07, Mishap Notification, Investigation, Reporting, and Record Keeping (<https://www.esd.whs.mil/Directives/issuances/dodi/>) (1-1.h)
- i. DoDI 6055.12, Hearing Conservation Program (<https://www.esd.whs.mil/directives/issuances/dodi/>) (1-1.i)
- j. Executive Order 12196, Occupational Safety and Health Programs for Federal Employees, February 26, 1980 (<https://www.archives.gov/federal-register/codification/executive-order/12196.html>) (1-1.j)

7-7. Minimum Plan Requirements.

Night Operations Lighting Plan. If work is to be performed at night, a Night Operations Lighting Plan must be developed to ensure all activities, areas, and operations are adequately illuminated to perform work safely. The plan must be submitted to the USACE supervisor for approval or to the KO or COR for acceptance and include the following:

- a. A map of the work area to be illuminated (7-7.a)
- b. Locations of all lighting units used to meet minimum lighting levels (7-7.b)
- c. Identification of required lighting level by area (7-7.c)
- d. Identification of onsite personnel responsible for verifying lighting plan is effective and does not present a glare hazard for nearby roadways and other public transportation. (7-7.d)

7-8. General Requirements.

a. Lighting Levels. While work is in progress, facilities, accessways, working areas, roads, etc., must be illuminated to not less than the minimum intensities specified below (see table 7-1 for limited reference and requirements). Areas not specified below must be illuminated according to the minimum intensities specified in the applicable ANSI Workplace Lighting Standards (7-8.a)

- (1) For construction work sites, see 29 CFR 1926.56.
- (2) Design DoD facilities, according to UFC 3-530-01.
- (3) For marine lighting, see ABS, Guide for Crew Habitability on Ships.
- (4) For illumination of means of egress and emergency lighting, see NFPA 101.
 - (a) Provide emergency lighting for buildings under construction when the progress of construction or environmental conditions limits the ability of natural lighting to provide safe egress (average of 1 foot candle or 10.7 Lux) during a power outage.
 - (b) The illumination must be arranged so that the failure of any single lighting unit, including the burning out of an electric bulb, will not leave any area darkened to the point of impeding the means of egress.
- (5) Take and record illumination readings, with a calibrated light meter, when the minimum lighting requirements of an area is in question.



CHAPTER 2

Safety and Occupational Health Program Management for Contractors





APPLICABILITY

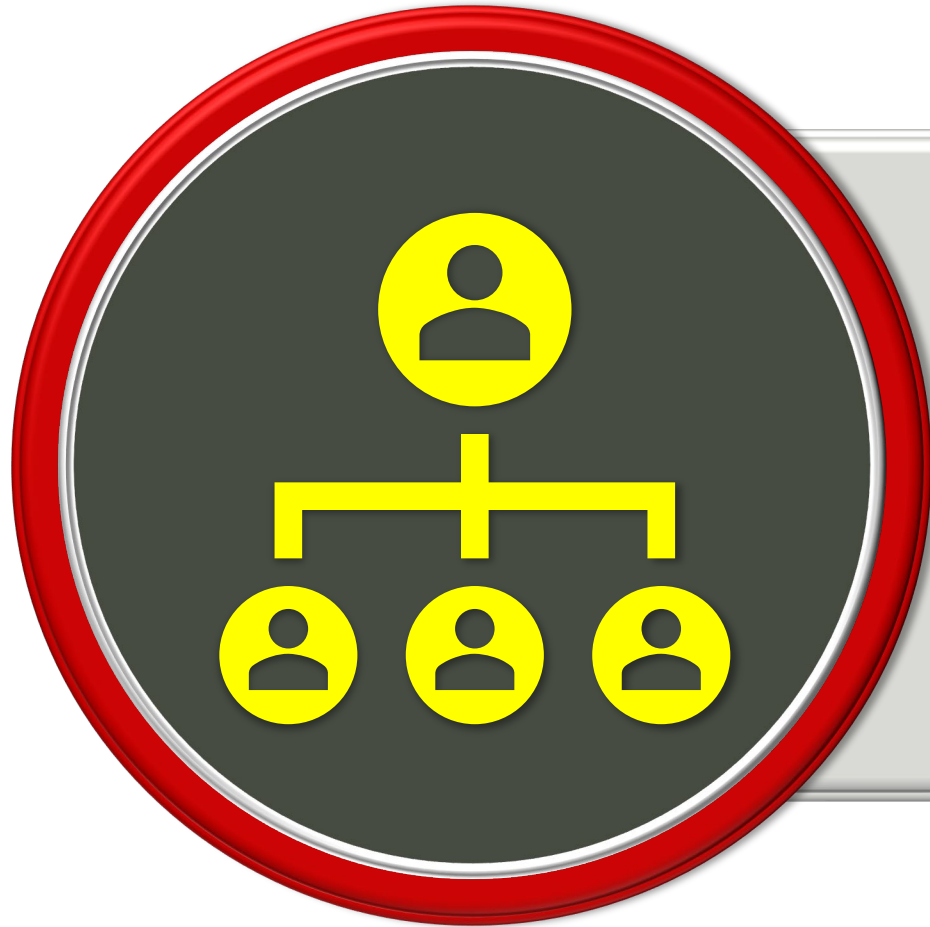
GDA

The term Government Designated Authority (GDA) is no longer applicable within this manual. GDA has been replaced with the responsibility of the KO/COR.

Guidance

This chapter applies to all **contractors** performing work activities under a USACE contract including those administered on behalf of USACE. This chapter provides the overall programmatic guidance for developing, managing, and implementing a SOH program. The requirements set forth in this chapter are the foundation for the contractor SOH program and must be carried through the additional chapters in this manual

ADDED: CLARIFICATION ON SOH RESPONSIBILITY



On contractor site of work, the **prime contractor's project management team**, with the **assistance of the SSHO**, is responsible for managing, communicating, implementing, and enforcing compliance with the accepted APP and other accepted SOH submittals and requirements.



SITE SAFETY & HEALTH OFFICER

19

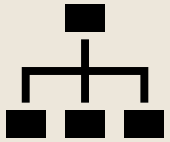


What is a SSHO?

A contractor employee that is responsible for overseeing and ensuring implementation of the prime contractor's SOH program according to the contract, this manual, applicable federal, state, and local requirements.

LEVEL	RESPONSIBILITY	TRAINING QUALIFICATION	EXPERIENCE REQUIREMENTS
1	Full-time SOH	<ul style="list-style-type: none">▪ <u>INITIAL</u>: OSHA 30-Hour (GI/CON) or combined training involving subjects of OSHA 30-Hour (accepted by KO/SOHO)▪ <u>RECERT</u>: 24 hrs. documented formal classroom or online SOH-related training every three-year period of the USACE contract. Can be multiple classes combined.	At least <u>five years of cumulative safety experience</u> , within the last ten years, managing or implementing a SOH program on projects similar in industry type, size, and complexity as the project described in the contract scope of work.
2	Collateral Duty	<ul style="list-style-type: none">▪ <u>INITIAL</u>: OSHA 30-Hour (GI/CON) or combined training involving subjects of OSHA 30-Hour (accepted by KO/SOHO)▪ <u>RECERT</u>: 24 hrs. documented formal classroom or online SOH-related training every three-year period of the USACE contract. Can be multiple classes combined.	At least <u>three years of cumulative safety experience</u> , within the last 10 years, managing or implementing a SOH program on projects similar in industry type, size, and complexity as the project described in the contract scope of work.
3	Designated QP/CP	Training must consist of information for establish/maintain designated Qualified Person (QP) or Competent Person (CP). NOTE: Cannot be assigned to projects that have a residual RAC of high or extremely high.	<u>No timeframe specifically identified</u> . Enables identification of hazards and implementation of controls for the work being performed

WHAT DOES A SSHO DO?



Report to corp. SOH official, senior PM, or corp. official



Maintain reference material at site of work (SDS, APP, EM 385-1-1, etc.)



Conduct daily SOH inspections + maintain deficiency tracking system



Report + investigate all accidents, near misses. Completes ENG Form 3394



Attend meetings (pre-construction, pre-work, prep, in-progress)



Evaluate APP + submit changes, revisions, and updates



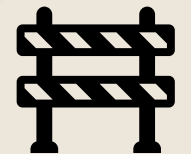
Ensure all project personnel comply with SOH requirements



Provide + keep records of SOH orientation training (incl. subcontractors)

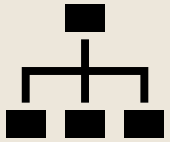


Review + sign ENG Form 6282 (SSHO Designation Letter)



Ensure visitors are escorted, properly protected, + wearing appropriate PPE

WHAT DOES A SUPERVISOR DO?



Ultimately responsible for SOH program implementation at site of work



Ensure AHA process is implemented.
Ensure AHA are developed by CP



Attend monthly meetings for all Supervisors on the site of work



Report + investigate all accidents, near misses. Approves ENG Form 3394



Immediately notify the KO or COR and local SOHO of any OSHA inspections



Ensure training in handling emergency situations that may arise from a project



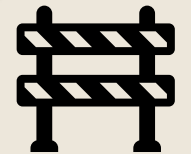
Ensure no person is required, instructed, or allowed to work in unsafe or in danger



Ensure all employees are physically and medically qualified



Ensure all employee required SOH training is completed prior to work



Ensure visitors are escorted, properly protected, + wearing appropriate PPE



CORPORATE SAFETY OFFICIAL

22



1

The contractor Corporate Safety Official is the prime contractor's corporate official that is responsible for the contractor's overall SOH program

2

Designate all contractor SSHOs on a mandatory ENG Form 6282 (Site Safety and Health Officer Designation Letter) (see para 2-10.c) and ensure they meet minimum training and experience requirements

3

Review and approve the site-specific APP acknowledging approval with signature and date



PRIME CONTRACTOR

23



1

Be responsible for the processes, conduct, and safe completion of their work.
Conduct and document safety meetings.

2

Ensure that all materials, documentation, and drawings intended for submission comply with the applicable contract SOH requirements

3

Ensure that the APP is developed by a CP according to this manual and reviewed for compliance prior to submission to the government

4

Maintain and update the APP and AHAs as needed to ensure they reflect site- specific tasks during the contract duration

5

Make certain that **work is not permitted to begin prior to government review and acceptance** of required safety submittals

6

Maintain a stock of common PPE, such as hard hats, eye protection, ear plugs, and reflective vests, for use by visitors

7

Ensure all employees receive SOH training as required by this manual, applicable federal, state, and local requirements prior to the start of work

8

Erect and maintain a SOH bulletin board in a commonly accessed area in clear view of the onsite employees

9

Ensure all contractor employees (that is, prime & subcontractors) comply with the contract, this manual, applicable federal, state, local requirements



CONTRACTOR QUALITY CONTROL (QC)



Conduct daily SOH inspections and document the findings in daily logs





INSPECTION REQUIREMENTS

25



External Agency Inspections

- Immediately notify the KO or COR and local SOHO of any OSHA or other regulatory agency inspection
 - Provide the KO or COR and local SOHO with a copy of any citations or reports issued by the inspector
 - The local SOHO will provide a copy of any citations or reports issued by the inspector and any corrective action responses to the citation(s) or report(s) to division and HQUSACE-SO

Contractor SOH Inspections

- The APP must provide for frequent safety inspections and audits to be conducted by the QC and SSHO
- The SSHO must establish and maintain a deficiency tracking system that lists and monitors outstanding deficiencies until resolved



ACTIVITY HAZARD ANALYSIS (AHA)

KEY TAKEAWAY: USACE does not accept contractor risk.

JSA/JHA

- Job Safety Analyses (JSAs), Job Hazard Analyses (JHAs), or similar risk management assessment tools are considered equivalent to, and acceptable substitutes for, AHAs as long as the data collected. Develop adequate controls (APP, AHA, SOP, etc.)

DOCUMENTATION

- AHAs must be provided to and reviewed by all involved employees prior to starting the task. Each employee must document their review with a signature on the AHA or an additional signature sheet. Provide copies of signed AHAs to the supervisor or local SOHO upon request. Implement and enforce plans during task

AHA REVISED

- If the AHA needs to be revised, work should not resume until revision is complete and provided to and reviewed by all involved employees prior to starting the task. Evaluate tasks to ensure controls are implemented and effective

WORK STOPPED

- If the work has been stopped due to safety non-compliance with this manual, site-specific SOH Plan, AHA, etc. and the AHA needs to be revised, work should not resume until revision is complete and accepted and employees have re-reviewed.



WHEN A LEVEL 1 SSHO IS NEEDED

27



U.S. Army Corps of Engineers (USACE)
ACTIVITY HAZARD ANALYSIS (AHA)
For use of this form, see EM 385-1-1; the proponent agency is CESO.

Purpose: The Activity Hazard Analysis Worksheet is a tool used in the Risk Management Process. Risk management is a business process that includes the identification, assessment, and prioritizing of risks, followed by coordinated and economical application of resources to minimize, monitor, and control the probability and/or impact of unfortunate events to an acceptable level.

Residual RAC must be communicated and accepted by the proper approval authority before beginning the activity.

AHAs must be provided to, and reviewed by, all involved employees prior to starting the task. Each employee must document their review with a signature in the last section of form.

Activity: _____ Date: _____ Overall Risk Assessment Code (RAC) (Use highest code) _____

Location: _____

Prepared By: _____

Reviewed By: _____

Notes: _____

Severity	Probability				
	Frequent	Likely	Occasional	Seldom	Unlikely
Catastrophic	E	E	H	H	M
Critical	E	H	H	M	L
Marginal	H	M	M	L	L
Negligible	M	L	L	L	L

JOB STEPS	HAZARDS (Recognized/Anticipated)	CONTROLS (ACTIONS TO ELIMINATE OR MINIMIZE HAZARDS)	RESIDUAL RAC
Add Row			
Delete Row			

EQUIPMENT	TRAINING	INSPECTION
Add Row		
Delete Row		

Involved Personnel: _____

PPE Required: _____

Approval Authority (digital signature)

PRINTED NAME: _____ PRINTED TITLE: _____

DIGITAL SIGNATURE: _____ DATE: _____

Approval Authority information is based on overall RAC according to EM 385-1-1, para 1-5 or 2-6, as applicable.

ENG FROM 6206, AUG 2023

Print Form Reset Form Page 1 of 2

Risk Assessment Code Matrix

E = Extremely High Risk
H = High Risk
M = Moderate Risk
L = Low Risk

		Probability				
		Frequent	Likely	Occasional	Seldom	Unlikely
Severity	Catastrophic	E	E	H	H	M
	Critical	E	H	H	M	L
	Marginal	H	M	M	L	L
	Negligible	M	L	L	L	L

Level 1: Must be assigned and at the site of work at all projects that have a residual risk assessment code **(RAC) of high or extremely high** on an Activity Hazard Analysis (AHA).

Level 2 or 3: Cannot be assigned to projects that have a residual RAC of high or extremely high.



EXCEPTIONS + DOCUMENTATION

28



Exceptions to a full time Level 1 SSHO Requirement.

- May be modified to use any level SSHO or combination of levels by the USACE KO and the local SOHO in contract documents.
- Must be a collaborative effort and will be based on job complexity, size, and other pertinent factors.
- Decision will be documented + rational used to modify the requirements based on the project scope/ risk.
- Some examples of contracts that may qualify for exceptions include:
 - Tasks with no exposure to mechanical or explosive hazards such as field walk-over, surface soil sampling, or long-term sampling.
 - Dredging, Maintenance, Service, and Limited Scope Contracts. These contracts include work such as dredging, mowing, furniture installation, fuel system maintenance, park attendants, and rest room cleaning.

NOTE #1: Level 1 SSHOs are not permitted to supervise non-safety personnel at the site of work.

NOTE #2: A Designation Letter is required for all levels of onsite SSHOs. Contractors must designate in writing all SSHOs on a mandatory ENG Form 6282 (Site Safety and Health Officer Designation Letter). The contractor must maintain a copy of the accepted form at the site of work.

[Print Form](#)[Save As](#)

U.S. Army Corps of Engineers (USACE)

SITE SAFETY & HEALTH OFFICER (SSHO) DESIGNATION LETTER

For use of this form, see EM 385-1-1; the proponent agency is CESO.

Purpose: This document designates personnel responsible for overseeing and ensuring the implementation of the prime contractor's Safety & Occupational Health (SOH) program. This designation letter will be signed by the company's official responsible for the SOH program (e.g., *Corporate Safety Manager*).

Submit the following documentation to the Government Designated Authority (GDA) as part of the Accident Prevention Plan: 1) This signed SSHO Designation Letter (Eng Form 6282); 2) An instructor-signed OSHA 30-hour card (or course completion certificate if within 90 days of completing the OSHA 30-hour training); and 3) proof of 24 hours of competency of SOH training within the last 3 years.

PART I: COMPLETED BY COMPANY'S SOH PROGRAM OFFICIAL




1. Project Name

2. Contract Number

3. Location

4. The designated SSHO on this form meets the minimum EM 385-1-1 training and experience requirements for the selected level below and is knowledgeable of the SOH requirements for this project and has the authority to stop work when required.

SSHO Level	OSHA 30-Hour	Competency Training	Experience
<input checked="" type="radio"/> Level 1	Construction or General Industry	24 hours of documented formal classroom or online SOH-related training within the past five years and must maintain competency by taking 24 hours every three year period for the duration	5 years of cumulative safety experience, within the last ten years, managing or implementing a SOH program on projects similar in industry type, size, and complexity as the project described in the

SSHO Level	OSHA 30-Hour	Competency Training	Experience
 Level 1	Construction or General Industry	24 hours of documented formal classroom or online SOH-related training within the past five years and must maintain competency by taking 24 hours every three-year period for the duration of the contract.	5 years of cumulative safety experience, within the last ten years, managing or implementing a SOH program on projects similar in industry type, size, and complexity as the project described in the contract scope of work.
 Level 2	Construction or General Industry	24 hours of documented formal classroom or online SOH-related training within the past five years and must maintain competency by taking 24 hours every three-year period for the duration of the contract.	3 years of cumulative safety experience, within the last 10 years, managing or implementing a SOH program on projects similar in industry type, size, and complexity as the project described in the contract scope of work.
 Level 3	Qualified or Competent Person		

5. Summary of required safety experience:

5. Summary of required safety experience.

--

By my signature below, I certify that the information I provided on this form is true and correct to the best of my knowledge.

Company SOH Official Name	Company SOH Official Title
Company SOH Official Signature	Date

PART II: COMPLETED BY DESIGNATED SSHO

SSHO Name	Date	SSHO Signature



ACCIDENT REPORTING

32



Official standardized investigation report submitted for USACE and contractors.

- Contractors can no longer send their own investigation report.
- Why? Information on the 3394 is now transferred into ENGLink accident investigation module.

The reporting and associated investigation of accidents and near misses is considered a leading indicator. Utilize the ENG Form 3394 (Mishap Notification and Investigation) to report accidents and near misses.

2-9. Figures and Tables.

Table 2-1
Accident Reporting Required Timeline

Accident Type	Notify <u>KO or COR</u>	Complete Final Accident Report on ENG 3394 and provide to <u>KO or COR</u>
May trigger a Safety Investigation Board (SIB)		
Fatality, in-patient hospitalization, amputation, eye loss, or property damage over \$600,000.	Immediately, no later than (NLT) 8 Hours	Within 7 Days
All other accidents and near misses.	Immediately NLT 24 Hours	Within 7 Days

U.S. Army Corps of Engineers (USACE)

MISHAP NOTIFICATION AND INVESTIGATION

U.S. Army Corps of Engineers (USACE)
MISHAP NOTIFICATION AND INVESTIGATION
For use of this form, see instructions in the attachments and USACE ER 385-1-1.

DATA REQUIRED BY THE PRIVACY ACT

Authority 10 U.S.C. 7013, Secretary of the Army; 5 U.S.C. 7902, Safety Programs; Public Law 91-596, Occupational Safety and Health Act of 1970; DoD Instruction 6055.1, DoD Safety and Occupational Health Program; Army Regulations 385-10, Army Safety Program; DoD Instruction 6055 .07, Mishap Notification, Investigation, Reporting, and Record Keeping; and E.O. 9397 (SSN), as amended.

Principal Purpose Information collected is to provide the USACE leaders, soldiers, families and civilians in injury, illness, and loss data to effectively manage its safety and occupational health program.

Routine Uses In addition to those disclosures generally permitted under 5 U.S.C. 552a(b) of the Privacy Act of 1974, these records or information contained therein may specifically be disclosed outside the DoD as a routine use pursuant to 5 U.S.C. 552a(b) as follows: To the Department of Labor, the Federal Aviation Agency, the National Transportation Safety Board, and to Federal, State, and local agencies and applicable civilian organizations, such as the National Safety Council, for use in a combined effort of accident prevention. In some cases, data must also be disclosed to an employee's representative under the provisions of 29 CFR 1960.29. Records will be made available consistent with applicable laws and regulations. Information will be withheld from the public only if authorized by 5 U.S.C. Section 552 (Freedom of Information Act (FOIA), 5 U.S.C. 552a (Privacy Act)), or other statutory or regulatory authority.

Disclosure Failure to provide all the required information on the report may result in the rejection of report submission.

1. WHO IS REPORTING MISHAP

a. Name: _____ b. Phone number: _____

c. Email address: _____ d. Signature: _____

e. Report type: ☐ 1. Near Miss Report. (No injury/illness, or property damage. Complete all fields with underlined text.) Date: _____
☐ 2. Initial Accident Report. (For accident notification within 24 hrs, Complete all fields with underlined text.) Date: _____
☐ 3. Final Accident Report. (For reporting findings from accident investigation, complete full form.) Date: _____

f. Mishap Type. (Check all that apply)

☐ Fatality ☐ Injury/Illness ☐ Property Damage ☐ Near Miss

g. Were any of the following items associated with the mishap? ☐ Yes ☐ No (If yes, check all that apply)

☐ Electrical and/or Hazardous Energy ☐ Working at Heights ☐ Diving ☐ Load Handling Equipment or Rigging ☐ Occupational Health Exposure

2. WHO WAS INVOLVED IN THIS MISHAP?

a. Name: _____

b. Personnel Classification: _____ c. Time employee began work: _____

d. Gender: _____ e. Date of birth (for Government personnel only): _____ f. Age: _____

g. Date hired: _____ h. Primary language: _____

i. Is individual a supervisor? ☐ Yes ☐ No j. Duty status at time of mishap: _____ k. Years experience in job: _____

l. What was individual doing when mishap occurred? (Select activity from the drop downs below.)

1. General activities:	2. Vehicle/Equipment/Vessel:
3. Sports/Recreation:	4. Other not listed:

m. Did individual utilize all OSHA/EM 385-1-1 required Personal Protective Equipment (PPE) for activity? ☐ Yes ☐ No ☐ N/A
If no, identify missing PPE: _____

n. Was a Personal Flotation Device used? ☐ Yes ☐ No ☐ N/A o. Was a seat belt used? ☐ Yes ☐ No ☐ N/A

U.S. Army Corps of Engineers (USACE)
MISHAP NOTIFICATION AND INVESTIGATION

3. WHAT TYPE OF PROPERTY/MATERIAL WAS INVOLVED?

a. List all property/material involved in the mishap. (Include damaged and undamaged property.)

Item A	Item B	Item C
Type of item: Other not listed:		

4. WHAT TYPE OF INJURY/ILLNESS OCCURRED?

a. Severity of injury/illness? ☐ 1. Minor ☐ 2. Moderate ☐ 3. Severe ☐ 4. Critical

b. Identify body parts affected by injury/illness: Primary body part affected: _____ Secondary body part affected: _____

c. Identify cause and source of injury/illness: Cause of injury/illness: _____ Source of injury/illness: _____

d. Was employee treated by a physician or health care professional provider? ☐ Yes ☐ No
If yes, provide name of physician or health care professional provider: _____

e. Was treatment given away from work site? ☐ Yes ☐ No f. Was employee treated in an emergency room? ☐ Yes ☐ No ☐ N/A

g. If treatment was given away from the work site, where was it given? (List location and the nearest Child.) _____

h. Treatment facility name: _____ Address: _____ City: _____ State: _____ Zip: _____ Country: _____

i. Was employee hospitalized as an inpatient? ☐ Yes ☐ No j. Yes, for how many nights? _____ Was OSHA notified? ☐ Yes ☐ No
Note: OSHA requires reporting all work-related fatalities within 8 hours and inpatient hospitalizations, amputations and loss of an eye within 24 hours to OSHA.

k. Calculated days away from work: _____ l. Calculated days of restricted/restricted duty: _____

5. WHAT HAPPENED?

a. What was the primary activity occurring at the time of the mishap? _____

b. What happened? Provide a detailed description of the mishap. (Do not include any personnel's identification information, etc.) _____

c. What other organizations or agencies have been notified about this mishap? _____

Note: Provide supporting photos, charts, diagrams, etc. with this report.

ENG FORM 3394, AUG 2021

Page 2 of 5

ENG 3394 covers the following:

- Who / where / when
- Type of injury / illness
- Summary → what happened
- Why → causal factors (performance, support, etc.)
- Corrective action plan



GENERAL REQUIREMENTS



1 Contractor Employee Site Control

2 Contractor SOH Implementation and Oversight

3 Contractor SOH Submittals

4 Accident Investigation and Reporting



GENERAL REQUIREMENTS



Physical Qualifications of Employees

5

SOH Communications

6

Interpretations

https://team.usace.army.mil/sites/HQ/SO/Pages/Variances_and_Waivers.aspx

7

Variances and Waivers

https://team.usace.army.mil/sites/HQ/SO/Pages/Variances_and_Waivers.aspx

8



ACCIDENT PREVENTION PLAN (APP)

WHAT IS AN APP

An APP is a written site-specific SOH plan that documents project, contract, and job-specific potential hazards in the workplace, and the company policies, controls, and work practices that will be used to minimize those hazards. They are an integral part of the planning and risk management process.

DEVELOPED + APPROVED

The APP must be developed by a CP and reviewed and approved by the prime contractor and corporate safety official.

ACCEPTANCE

Upon contractor approval, the plan must be submitted to the KO or COR for review and acceptance prior to the performance of any work. No contract work can begin without a KO or COR accepted APP.

MANDATORY FORM

Use Mandatory ENG Form 6293 (Accident Prevention Plan Worksheet).



- Comprehensive review of USACE project
- Meant to be project-specific (vs. generic company SOH programs)
- Simplified format (drop-down menus, etc.)

The image displays a series of overlapping USACE Accident Prevention Plan (APP) worksheets. The forms are organized into sections:

- Section 1: Signatures** - Includes fields for Plan Preparer, Plan Approver, and Plan Concurrence, each with Name, Title, Email Address, Phone Number, and Signature.
- Section 2: Project Information** - Includes Project Name, Project Address (with a map attachment field), Estimated Project Start Date, Estimated Project Completion Date, and Project Description.
- Section 3: Training** - Includes a table for training requirements and a section for SOH Policy.
- Section 4: SOH Oversight** - Includes a table for SOH oversight and a section for SOH Policy.
- Section 5: Activity Hazard Analysis (AHA)** - Includes a table for AHA and a section for SOH Policy.
- Section 6: Required Project Site-Specific Plans and Procedures** - Includes a table for required plans and procedures.
- Section 7: Demolition Plan** - Includes a table for demolition plan details.
- Section 8: Project Site Coordination** - Includes a table for project site coordination.

Each form has a 'Print Form' and 'Save As' button in the top right corner. The forms are numbered 1 through 8, indicating a multi-page document.

NOTE: Required appendices: map, subcontractors, personnel qualifications, AHA, site-specific plans)

NOTE: Required appendices: map, subcontractors, personnel qualifications, AHA, site-specific plans)



ENG 6293: MANDATORY APP FORM

38



Print Form

Save As

U.S. Army Corps of Engineers (USACE)

ACCIDENT PREVENTION PLAN (APP) WORKSHEET

For use of this form, see EM 385-1-1; the proponent agency is CESO.

This form serves as a guide. It does not replace or eliminate the need to comply with the requirements set forth in Engineering Manual 385-1-1, Safety and Occupational Health Requirements Manual. The references included in this form correspond to the applicable chapters of EM 385-1-1. No work will begin onsite until the accident prevention plan (APP) is developed according to the EM 385-1-1, reviewed to ensure minimum requirements are met, and approved by the appropriate personnel identified in "Part 1 -Signatures"

PART 1 - SIGNATURES

Plan Preparer - For example: Qualified Person (QP), Competent Person (CP), or project Quality Control (QC).

1. Name:

2. Title:

3. Email Address:

4. Phone Number:

5. Signature

Plan Approver - Corporate Safety Official

1. Name:

2. Title:

3. Email Address:

4. Phone Number:

5. Signature

Plan Concurrence - For example: Industrial hygienist, Project Manager, Superintendent, Site Safety & Health Officer, Quality Control, etc.

1. Name:

2. Title:

3. Email Address:

4. Phone Number:

5. Signature:

PART 2: PROJECT INFORMATION

1. Project Name:

2. Project Address (attach map in Appendix 1):

3. Estimated Project Start Date:

4. Estimated Project Completion Date:

5. Project Description / Description of work to be performed:

ENG FORM 6293, AUG 2023

Page 1 of 8

PRIME INFO

SIGNATURES

CORP. SAFETY

SOH POLICY

CONCURRENCE

PROJECT INFO

Print Form

Save As

PART 3: PRIME CONTRACTOR INFORMATION

1. Prime Contractor Name:

2. Contract Number:

3. Project Manager Name:

4. Quality Control (QC) Manager Name:

5. Contractor Corporate Safety Official Name:

6. Primary Site Safety & Health Officer (SSHO) Name:

7. Alternate Site Safety & Health Officer (SSHO) Name(s):

PART 4: SOH COMMITMENT AND POLICY

1. Provide a statement of safety and health policy detailing commitment to providing a safe and healthful workplace for all employees on this project.

2. Provide a statement outlining the Contractor's safety program goals and objectives.

3. Identify policies and procedure regarding non-compliance with safety requirements.

4. Provide written procedures for holding managers and supervisors accountable for safety.

5. Prime contractor is responsible for the implementation and enforcement of the SOH program for contractor employees, subcontractors, suppliers, and visitors at the site of work?

☐ Yes

☐ No

6. Prime contractor will require subcontractors, suppliers, and visitors to comply with the APP and EM 385-1-1?

☐ Yes

☐ No

7. No work will be performed unless a designated SSHO is present on the site of work.

☐ Yes

☐ No

8. A list of all known subcontractor(s) and supplier(s) are listed in Appendix 2.

☐ Yes

☐ No

9. If all subcontractor(s) and supplier(s) are not known at the time of initial APP submittal, Appendix 2 will be updated and resubmitted to the KO/COR for acceptance prior to the start of any work activities.

☐ Yes

☐ No

10. All subcontractors will have a copy of the APP, applicable AHAs and will be required to comply with them.

☐ Yes

☐ No

11. Subcontractors and suppliers at the site of work will abide by the EM 385-1-1, this APP, and all AHAs.

☐ Yes

☐ No

12. This APP and AHAs will be available to all workers at the site of work.

☐ Yes

☐ No

ENG FORM 6293, AUG 2023

Page 2 of 8



ENG 6293: MANDATORY APP FORM

39



Print Form

Save As

PART 5: TRAINING

1. All employees will be trained according to applicable EM 385-1-1, federal, state, and local requirements prior to the commencement of work.

YesNo

2. The following personnel are identified and designated as personnel responsible for SOH on this project. Add the following documentation to Appendix 3 of this worksheet: 1) SSHO designation letter (ENG Form 6282), 2) instructor signed OSHA 30-hour card (or course completion certificate if within 90 days of having completed the OSHA 30-hour training), and 3) proof of 24 hours of competency of SOH training within the last 3 years for the personnel identified below. (EM 385-1-1, Chapter 2, 2-3 Personnel Qualification/Training): (Check and list names of personnel being designated)

Primary SSHO Name:

Alternate SSHO Name(s):

3. OP(s) and CP(s) required by EM 385-1-1 (for example, excavation, confined space, scaffolding, fall protection, etc.) for this project will be included in Appendix 3. Include 1) List of names or designation letters and 2) proof of qualification/competency.

PART 6: SOH INSPECTIONS

1. All applicable inspections required by EM 385-1-1, contract, federal, state, and local requirements will be completed.

YesNo

2. The following personnel are assigned to conduct inspections, the type of inspection and frequency for the worksite. At minimum the SSHO must conduct daily site inspections.

Who will conduct inspection?	Frequency?	What type of inspection?
<div><div>+</div><div>-</div></div>	<div></div>	<div></div>

3. Employees that conduct inspections will have technical proficiency needed to perform inspections. Proof of inspector's training/qualification is included in Appendix 3.

YesNo

4. Deficiencies will be documented and tracked as required by this EM 385-1-1?

YesNo

6. Will any external inspections be required (for example, USCG, OSHA, etc.)? If yes, describe:

YesNo

PART 7: ACCIDENT REPORTING AND INVESTIGATION

1. Exposure data (man-hours worked) will be reported to KO/COR as required by the contract?

YesNo

2. All accidents will be reported as soon as possible according to EM 385-1-1?

YesNo

3. All accidents occurring incidentally to an operation, project, or facility for which the EM 385-1-1 is applicable will be thoroughly investigated and analyzed. Corrective actions to prevent recurrence will be implemented as soon as reasonably possible. The KO/COR will be notified when corrective actions are completed.

YesNo

4. Accident notification will be provided to the KO/COR as stated below:

YesNo

ACCIDENT TYPE	KO/COR NOTIFICATION TIME
Fatality, permanent and partial disability, or property damage over \$600,000	Immediately, no later than (NLT) 8 hours
All other accidents and near misses	Immediately, NLT 24 hours

ENG FORM 6293, AUG 2023

Page 3 of 8

TRAINING

SOH OVERSIGHT

SEVERE WEATHER

INSPECTIONS

ACCIDENT INFO

Print Form

Save As

PART 8: SOH OVERSIGHT

1. A risk management process that meets or exceeds the requirement of the EM 385-1-1 will be implemented on this project site?

YesNo

2. Hazardous conditions and unsafe acts will be immediately corrected?

YesNo

3. APP and AHAs will be prepared by a QP or CP according to the EM 385-1-1 prior to the start of any work activities on the site of work (as much as the information can be known at that point in time).

YesNo

4. The plans and AHAs will be updated throughout the life of the project to include changes in personnel, equipment, conditions, etc. Additional revisions must be incorporated as necessary to reflect changing site conditions, construction methods, personnel roles and responsibilities and construction schedules.

YesNo

5. No activity/work will be started at the site of work until the APP is reviewed and submitted to the KO/COR for acceptance, with the site-specific plans and procedures required by the EM 385-1-1 to complete the project?

YesNo

6. APP and AHAs will be provided to and reviewed by all workers involved in the activity prior to work?

YesNo

7. Workers will sign AHA(s) to concur with identified job steps and controls needed to mitigate hazards?

YesNo

PART 9: SEVERE WEATHER PLAN

1. The SSHO or designated onsite personnel is responsible for checking the weather conditions at a minimum of twice a day?

YesNo

2. What severe weather forecast will require the SSHO to monitor weather conditions continuously? Describe.

3. What are the training requirements for severe weather precautions and actions?

4. Identify area of retreat or other actions to be taken such as evacuation, shelter in place, etc.

5. Identify procedures to stop outdoor activities if extreme weather conditions to include thunderstorms are in the area.

ENG FORM 6293, AUG 2023

Page 4 of 8



ENG 6293: MANDATORY APP FORM

40



Print Form Save As

PART 10: ACTIVITY HAZARD ANALYSIS (RISK MANAGEMENT)

1. Major phases of work anticipated:

2. Definable Features of Work (DFOW)
Note. An activity-specific AHA will be submitted to the KO/COR for each DFOW prior to any work being performed.

3. List equipment to be used:

4. Anticipated High-Risk Activities: (See examples below, check all that apply):

<input type="checkbox"/> Electrical and/or Hazardous Energy	<input type="checkbox"/> Confined Space
<input type="checkbox"/> Working at Heights	<input type="checkbox"/> Excavations & Trenching
<input type="checkbox"/> Scaffolding	<input type="checkbox"/> Other: _____
<input type="checkbox"/> Diving	<input type="checkbox"/> Other: _____
<input type="checkbox"/> Load Handling Equipment	<input type="checkbox"/> Other: _____
<input type="checkbox"/> Occupational Exposure	<input type="checkbox"/> Other: _____

5. Detailed project-specific hazards and controls will be provided utilizing AHAs for each activity/DFOW. ☐ Yes ☐ No

6. No work will begin on an activity/DFOW until the initial AHA addressing the project-specific hazards has been developed, reviewed, and accepted by the KO/COR. (See EM 385-1-1 Chapter 2 section 2-6). ☐ Yes ☐ No

7. AHAs are living documents and are intended to be created, utilized in the field, and updated (by the workers) as necessary. ☐ Yes ☐ No

8. Workers/crews will have accepted AHA(s) that reflects current site conditions, personnel, equipment, control measures, etc. while the work is being performed? ☐ Yes ☐ No

9. AHA will be used by the contractor personnel to assure work is being performed consistent with the AHA? ☐ Yes ☐ No

10. Once the activity has been completed, the AHA will be available and kept onsite for the length of the contract. ☐ Yes ☐ No

11. AHAs for unknown work activities will be submitted to the KO/COR prior to work and attached to Appendix 4 of this document. ☐ Yes ☐ No

12. Who has the authority to accept residual risk on AHA(s)? (List below)

Category of Risk	Approval Authority (Name and Title)
Extremely High Risk	
High Risk	
Medium Risk	
Low Risk	

RISK MANAGEMENT

PROJECT-SPECIFIC SOH PLANS

ACCEPTANCE OF RISK

Print Form Save As

PART 11: REQUIRED PROJECT SITE-SPECIFIC PLANS AND PROCEDURES

1. Based on a risk assessment of contracted activities and on mandatory OSHA compliance programs, the contractor will ensure that all applicable SOH risks and associated compliance plans are in place. ☐ Yes ☐ No

2. Include all project-specific compliance plans, as applicable to the work being performed, and as identified below. The plans will incorporate project-wide procedures to control hazards to which the employees of all project employers may be exposed. ☐ Yes ☐ No

3. These plans and procedures will be coordinated with all project employers and be included in project-specific emergency response and evacuation procedures. ☐ Yes ☐ No

4. Address each of the plans in the outline below in the order that they are listed.
Option 1: If a plan is applicable, develop and attach it to Appendix 5. Submit to the KO/COR with this worksheet for acceptance prior to work.
Option 2: If a plan is applicable, but all of the minimum required information for the plan is not yet known, provide justification next to each plan title, and provide an expected date the plan will be created, reviewed, and attached to Appendix 5. Submit to the KO/COR with this worksheet for acceptance prior to work.
Option 3: If a plan is not applicable because of the nature of the work to be performed, provide justification next to each plan title.

Minimum plans required by EM 385-1-1	Reference EM 385-1-1 paragraph:	Select Option	Justification for Option 2 and Option 3
Exposure Control Plan	3-7.a	<input type="checkbox"/>	
AED Program	3-7.b	<input type="checkbox"/>	
Construction Site Plan	4-7.a	<input type="checkbox"/>	
Access/Haul Road Plan	4-7.b	<input type="checkbox"/>	
Hearing Conservation Program	5-7.a	<input type="checkbox"/>	
Respiratory Protection Program	5-7.b	<input type="checkbox"/>	
Hazard Communication (HazCom) Program	6-7.a	<input type="checkbox"/>	
Process Safety Management (PSM) Program	6-7.b	<input type="checkbox"/>	
Lead Compliance Plan	6-7.c	<input type="checkbox"/>	
Asbestos Management Plan	6-7.d	<input type="checkbox"/>	
Ionizing Radiation Safety Plan	6-7.e	<input type="checkbox"/>	
Radiofrequency Plan	6-7.e	<input type="checkbox"/>	
Abrasive Blasting Plan	6-7.g	<input type="checkbox"/>	
Thermal Stress Management Plan	6-7.h	<input type="checkbox"/>	
Mold Remediation Plan	6-7.i	<input type="checkbox"/>	
Silica Compliance Plan	6-7.j	<input type="checkbox"/>	
Fatigue Management Plan	6-7.k	<input type="checkbox"/>	
Night Operations Lighting Plan	7-7	<input type="checkbox"/>	
Traffic Control Plan	8-7	<input type="checkbox"/>	
Fire Prevention Plan	9-7.a	<input type="checkbox"/>	
Wildland Fire Management Plan	9-7.b	<input type="checkbox"/>	
Housekeeping Plan	10-7	<input type="checkbox"/>	
Electrical Safety Plan	11-7	<input type="checkbox"/>	
Assured Equipment Grounding Conductor Program	11-7.b	<input type="checkbox"/>	
Energy Control Plan	12-7.a	<input type="checkbox"/>	
Hazard Isolation Procedures	12-7.b	<input type="checkbox"/>	



ENG 6293: MANDATORY APP FORM

41



Demolition Plan	17-7	
Emergency Plan for Marine Activities	19-7.a	
Severe Weather Plan for Marine Activities	19-7.b	
Floet Plans	19-7.c	
Tow Plans	19-7.d	
Fall Protection and Prevention Plan	21-7	
Rescue Plan	21-7	
Scaffold Work Plan	21-7	
Rope Access Work Plan	23-7	
Excavation and Trenching Plan	25-7	
Fire Prevention and Protection Plan	26-7 a & f	
Compressed Air Work Plan	26-7 a & b	
Contingency Response Plan	26-7 a & c	
Emergency Rescue Plans and Equipment	26-7 a & d	
Ventilation and Dust Control Plan	26-7 a & e	
Formwork and Shoring Plan	27-7.a	
Masonry Bracing Plan	27-7.b	
Steel Erection Plan	28-7.a	
Site Layout Plan	28-7.b	
Explosive Site Safety Plan	29-7.a	
Master Blasting Plan	29-7.b	
Vibrations Monitoring Plan	29-7.c	
Dive Operations Plan	30-7.a & d	
Emergency Management Plan	30-7.a & e	
Safe Practices Manual	30-7.b	
Snorkeling Plan	30-7.f	
Tree Maintenance and Removal Plan	31-7	
Construction Safety and Phasing Plan	32-7.a	
Safety Plan Compliance Document	32-7.b	
Aviation Pre-Accident Plan	33-7	
Standard Lift Plan	34-7.b	
Confined Space Plan	34-7.b & c	
Standard Lift Plan - Floating Plan	34-7.c	
Critical Lift Plan	34-7.d	
Pile Driving	34-7.e	
Housekeeping Plan	35-7.a	
Extermination Plan	35-7.b	
Site Safety and Health Plan	36-7.a	
Comprehensive Work Plan	36-7.b	
Emergency Response Plan	36-7.c	

PROJECT-SPECIFIC PLANS (CONT.)

PROJECT SITE COORDINATOR

REQUIRED APPENDICES

PART 12: PROJECT SITE COORDINATION	
1. Provide procedures for coordinating SOH activities with other employers on the site of work:	
PART 13: REQUIRED APPENDICES	
Indicate if each of the following items are, or are not, attached to this plan.	
Appendix 1. Project Map	<input type="checkbox"/> Yes <input type="checkbox"/> No
Appendix 2. Subcontractor/Suppliers	<input type="checkbox"/> Yes <input type="checkbox"/> No
Appendix 3. Personal Qualifications and Designations	<input type="checkbox"/> Yes <input type="checkbox"/> No
Appendix 4. Activity Hazard Analysis	<input type="checkbox"/> Yes <input type="checkbox"/> No
Appendix 5. Site-specific plans and procedures	<input type="checkbox"/> Yes <input type="checkbox"/> No
Appendix 6. Any additional plans, procedures, etc. can be added to this appendix and will be coordinated with the KO/COR.	<input type="checkbox"/> Yes <input type="checkbox"/> No



PATH

FORWARD



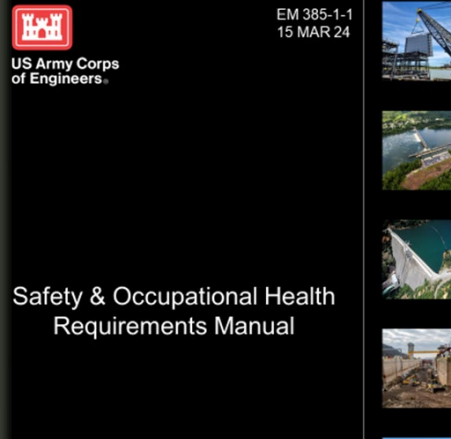
ACCESSING EM 385-1-1

43



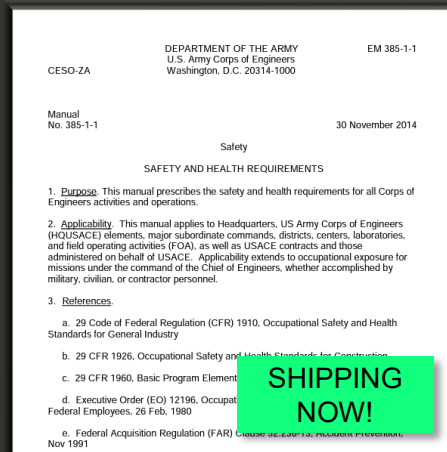
Updated content will be accessible to all stakeholders that includes the following formats:

HARD COPIES



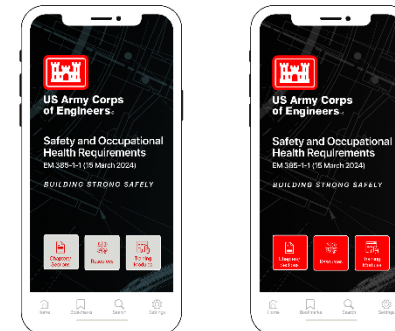
GOV Printing
Office (GPO)

PDF / FORMS



USACE
Publications
(Link allows copy & paste)

MOBILE APPS



Free on iOS +
Android Platforms

TRAINING



Multiple sessions
+ videos

FUTURE COMMENTS: Website for providing feedback for continuous improvement(s)



THANK YOU FOR ATTENDING

44



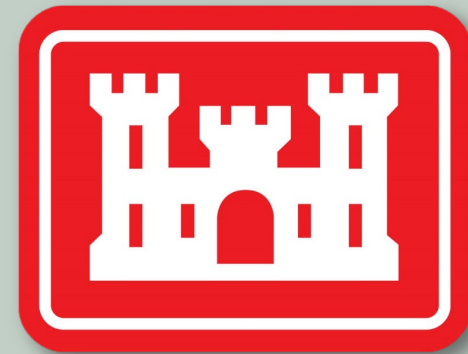
Questions



Comments



Feedback



ESSAYONS