

**CHEMICAL STOCKPILE EMERGENCY
PREPAREDNESS PROGRAM (CSEPP)
BIBLIOGRAPHY**

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CONTENTS

	page
INTRODUCTION	1
LEGISLATION AND REGULATIONS	3
CSEPP Legislation and Regulations	3
Related Legislation	4
Related Regulations	4
POLICY PAPERS	7
GENERAL PROGRAM DOCUMENTS	9
GENERAL ACCOUNTING OFFICE REVIEWS	11
TECHNICAL REPORTS AND PUBLICATIONS	13
Planning	13
Training	16
Automation	17
Reentry	17
Public Affairs	20
Exercises	20
GENERAL REFERENCES ON CHEMICAL AGENTS AND DISPOSAL	23
SITE-SPECIFIC DOCUMENTS	27
Anniston Chemical Activity	27
Blue Grass Chemical Activity	28
Deseret Chemical Depot	30
Edgewood Chemical Activity	31
Newport Chemical Depot	32
Pine Bluff Chemical Activity	32
Pueblo Chemical Depot	33
Umatilla Chemical Depot	34
CSEPP CONFERENCE REPORTS	37
CSEPP EXERCISE REPORTS	39
Anniston Chemical Activity	39
Blue Grass Chemical Activity	40
Deseret Chemical Depot	41
Edgewood Chemical Activity	41
Newport Chemical Depot	42
Pine Bluff Chemical Activity	43
Pueblo Chemical Depot	44
Umatilla Chemical Depot	45

INTEGRATED PROCESS TEAM DOCUMENTS	47
Charters	47
Minutes and Reports	47
CSEPP TRAINING COURSES AND MATERIALS	49
Training Courses	49
Computer-Based Training	51
Videotapes	52
CSEPP SOFTWARE	55
CSEPP WEB SITES	57
Federal Sites	57
State and Local Sites	57
NOTES	61

INTRODUCTION

The purpose of this bibliography is to provide a fairly comprehensive listing of reports, publications, materials, and information sources concerning the CSEPP program for chemical agent accidents. It is not intended to be a bibliography on chemical agent disposal, nor an inventory of all literature that may have implications for emergency preparedness. Furthermore, it does not inventory emergency plans at each site. It represents a library of materials that an emergency manager, planner, or trainer interested in details about CSEPP may wish to consult for basic information. These sources will contain many references to materials that may contain more detailed information on a specific topic. Locations where the material can be obtained are indicated in some cases. To obtain copies of the other documents, contact Federal Emergency Management Agency (FEMA) Headquarters or the U.S. Department of the Army.

LEGISLATION AND REGULATIONS

CSEPP Legislation and Regulations

Federal Emergency Management Agency and U.S. Department of the Army. Memorandum of Understanding (MOU), August 1988. This MOU between FEMA and the U.S. Department of the Army created the CSEPP and identified the agencies' respective areas of responsibility.

Public Law 91-121. "Defense Appropriation Act of 1970," U.S. Congress, Washington, D.C. This law required the Department of Health and Human Services to review plans and provide recommendations for any transportation or open air testing of any lethal chemical or biological agent and to make recommendations for protection of public health and safety.

Public Law 91-441. "Defense Appropriation Act of 1971," U.S. Congress, Washington, D.C. This law amended the previous year's requirements to include disposal of chemical agents.

Public Law 99-145 (50 U.S.C. 1521). "Defense Authorization Act of 1986," U.S. Congress, Washington, D.C. This law required the Secretary of Defense to dispose of the unitary agent stockpile while providing "maximum protection for the environment, the general public, and the personnel who are involved in [such] destruction."

Department of Health and Human Services and the U.S. Department of the Army. "Amendment to the 1988 Interagency Agreement," October 1992. This amendment fostered collaborated work in chemical demilitarization

Federal Emergency Management Agency and the U.S. Department of the Army. Joint Memorandum for the Record, January 1993. This memorandum reaffirmed the Army and FEMA cooperative relationship in CSEPP.

Federal Emergency Management Agency and the U.S. Department of the Army. Joint Memorandum for the Record, February 1994. This memorandum provided the framework for restructuring management of CSEPP and for the cooperation in carrying out the joint program to ensure adequate emergency preparedness planning.

Federal Emergency Management Agency and the U.S. Department of the Army. Memorandum of Understanding (MOU), October 1997. This memorandum identified roles, responsibilities and joint efforts for emergency response preparedness involving the storage and ultimate disposal of the U.S. stockpile of chemical warfare agents. It superseded all prior agreements between FEMA and the U.S. Army.

Federal Emergency Management Agency and the U.S. Department of the Army. Joint Memorandum for the Record, May 1998. This memorandum set forth the application of the Integrated Process Team (IPT) within CSEPP to serve as the management tool for programmatic planning and issue discussion.

Department of the Army. Memorandum, October 1993. This memorandum outlined the process for CSEPP states to assess the current medical capability and develop plans for improvement.

Related Legislation

Public Law 93-288, (42 U.S.C. 5121 et seq.). “Robert T. Stafford Disaster Relief and Emergency Assistance Act, as amended,” U.S. Congress, Washington, D.C.

Public Law 94-469 (15 U.S.C.. 2601 et seq.). “Toxic Substances Control Act of 1976, as amended” (TSCA), U.S. Congress, Washington, D.C.

Public Law 94-580 (42 U.S.C. 6901-6991). “Resource, Conservation and Recovery Act of 1976, as amended (RCRA),” U.S. Congress, Washington, D.C.

Public Law 95-95 (42 U.S.C. 7401 et seq.). “Clean Air Act of 1977, as amended,” U.S. Congress, Washington, D.C.

Public Law 96-482 (42 U.S.C. 3251 et seq.). “Solid Waste Disposal Act of 1980, as amended,” U.S. Congress, Washington, D.C.

Public Law 96-510 (42 U.S.C.. 9601-9675). “Comprehensive Environmental Response, Compensation and Liability Act of 1980, as amended” (CERCLA), U.S. Congress, Washington, D.C.

Public Law 99-499 (42 U.S.C. 9601-9675). “Superfund Amendments and Reauthorization Act of 1986” (SARA), U.S. Congress, Washington, D.C.

Related Regulations

Centers for Disease Control. “Final Recommendations for Protecting the Health and Safety Against Potential Adverse Effects of Long-Term Exposure to Low Doses of Agents: GA, GB, VX, Mustard Agent (H, HD, T), and Lewisite (L),” *Federal Register* **53**(50):8504–8507, Mar. 15, 1988. (1)

U.S. Department of the Army. *Chemical Surety Program*, Army Regulation 50-6, 1986. This regulation (under review) provides controls for chemical weapons materiel, including CAIRA operations, chemical event notification, safety guidance, and requirements pertaining to military contractors.

U.S. Department of the Army. *Chemical Accident/Incident Response and Assistance (CAIRA) Operations*, Pamphlet 50-6, May 17, 1991. This document provides technical guidance to Army elements responsible for responding to a chemical event.

U.S. Department of the Army. *The Army Chemical Agent Safety Program*, Army Regulation 385-61, Feb. 28, 1997. This regulation prescribes Army safety policy, responsibilities, and procedures for the Army Chemical Agency Safety Program and provides agent demilitarization guidance.

U.S. Department of the Army. *Toxic Chemical Agent Safety Standards*, Army Pamphlet 385-61, Mar. 31, 1997. This document contains mandatory technical safety and health requirements for operations involving chemical agents and associated weapons systems. The basis for this document is Army Regulation 385-61.

POLICY PAPERS

CSEPP Policy Paper #1, *Definition of Maximum Protection*, May 7, 1991. This Policy Paper provides the operational definition of "maximum protection" for the CSEPP. (2)

CSEPP Policy Paper #2, *Environmental Sampling to Determine Agent Contamination*, Sept. 30, 1993. This Policy Paper identifies roles and responsibilities for agent monitoring activities in a chemical event. (2)

CSEPP Policy Paper #5, *County Public Information Officers in CSEPP*, Dec. 11, 1992. This Policy Paper allows Immediate Response Zone counties to hire CSEPP-funded public information officers. (2)

CSEPP Policy Paper #7, *Interim Policy Regarding Offpost Meteorological Towers for CSEPP*, Mar. 26, 1993. This Policy Paper allows CSEPP jurisdictions to purchase a limited number of wind monitoring devices for use offpost. (2)

CSEPP Policy Paper #8, *Review of Exercise Initiating Events*, Apr. 23, 1993. This Policy Paper describes the process to be used for approval of the initiating event for the CSEPP exercises. (2)

CSEPP Policy Paper #9, *Public Information in Connection with CSEPP Exercises*, Apr. 23, 1993. This Policy Paper describes the type of public information needed for CSEPP exercises. (2)

CSEPP Policy Paper #11 (Revised), *Compensation for Volunteer CSEPP Exercise Participants*, Nov. 7, 1995. This Policy Paper outlines the concept for compensating CSEPP exercise participants. (2)

CSEPP Policy Paper #13, *Elimination of Dual Exercise Types*, Nov. 7, 1995. This Policy Paper eliminates the distinction between Direction and Control Exercises and Full-Scale Exercises in the CSEPP exercise program. (2)

CSEPP Policy Paper #14, *Designation of Public Affairs as Core Objective*, Dec. 31, 1997. This Policy Paper designates the public affairs objective as a "core" objective, requiring it to be exercised each year. (2)

CSEPP Policy Paper #15, *Off-Post Medical Preparedness*, Apr. 20, 1998. This document establishes policy for off-post civilian medical preparation and response to a possible release of chemical agent from one of the chemical stockpile locations. (2)

CSEPP Policy Paper #17, *Protocols for Communication with Army Soldier and Biological Chemical Command (SBCCOM) CSEPP Technical Support Staff*, Oct. 27, 1998. This Policy Paper outlines the communication protocols for use by the CSEPP community in processing requests from any level for SBCCOM technical support/information. (2)

Note: Policy Papers #3, #6, and #10 have not been issued. Policy Paper #4, *Roles and Responsibilities of the Joint Steering Committee Subcommittees*, Mar. 3, 1992, is no longer in effect. Revised guidance for CSEPP exercise was published on Mar. 19, 1999. This document, *Exercise Policy and Guidance for the Chemical Stockpile Emergency Preparedness Program* (known as the “Blue Book”)(3), and the accompanying joint Army-FEMA memo approving the guidance (Mar. 19, 1999), replaced or incorporated the provisions of Policy Paper #12, *Chemical Stockpile Emergency Preparedness Program (CSEPP) Exercises*, Mar. 2, 1994; CSEPP Policy Paper #16, *CSEPP Modified Exercise Schedule*, Apr. 8, 1998; and Addendum to CSEPP Policy Paper #16, *CSEPP Modified Exercise Schedule*, Nov. 25, 1998.

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Innovative Emergency Management, Inc. *CSEPP Maximum Protection Reference Guide*, IEM/TEC96-036, Baton Rouge, La., July 1996.

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- A. Planning Guidelines for Command and Control;
- B. Planning Guidelines for EOC Location, Design, and Equipment;
- C. Communications Support Network: System Design Criteria and Evaluation Guide;
- D. Planning Guidelines for Protective Action Decision Making;
- E. Planning Guidelines for Protective Actions and Responses;
- F. Public Alert and Notification Systems: System Design Criteria and Evaluation Guide;
- G. Planning Guidelines for Traffic and Access Control;
- H. Planning Guidelines for Emergency Support Operations;
- I. Planning Guidelines for Emergency Medical Services;
- J. Planning Guidelines for Public Education and Information;
- K. Planning Guidelines for Evacuee Support;
- L. Planning Guidelines for Response-Phase Decontamination;
- M. Planning Guidelines for Recovery-Phase Activities (May 6, 1997); and
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Off-Post Monitoring, Apr. 14-15, 1998 (Edgewood, Md.) (16)

CSEPP TRAINING COURSES AND MATERIALS

Training Courses

Advanced Joint Information Center, Oak Ridge Institute for Science and Education, Oak Ridge, Tenn. A 3.5-day classroom course that provides experienced staff with techniques, tools, and technologies for management of effective emergency public information. The course includes a tabletop exercise to allow participants to apply the material taught.

Agent Characteristics and Toxicology First Aid and Special Treatment (ACT FAST), Oak Ridge National Laboratory, Oak Ridge, Tenn. An 8-hour classroom course designed to prepare emergency medical personnel to recognize and provide first response treatment to persons accidentally exposed to nerve and blister agents. Course materials include instructor guide, student guide, slides, and associated video. (18)

Associated documents

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Jones, E. C. *Instructor's Guide and Lesson Plan for ACT FAST: Agent Characteristics and Toxicology, First Aid and Special Treatment*, ORNL/M-2098, Oak Ridge National Laboratory, Oak Ridge, Tenn., 1992.

Chemical Awareness for the Chemical Stockpile Emergency Preparedness Program, Oak Ridge National Laboratory, Oak Ridge, Tenn. An 8-hour classroom course designed to familiarize participants with the chemical stockpile and its components, the Chemical Stockpile Disposal Program (CSDP), and CSEPP. Course materials include instructor guide, student guide, slides, and associated video. (18)

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Jones, E. C. *Instructor's Guide and Lesson Plan for CSEPP Chemical Awareness*, ORNL/M-2100, Oak Ridge National Laboratory, Oak Ridge, Tenn., 1992.

CSEPP Joint Information Center/System (JIC/JIS) Training Course, JICsaw II, Argonne National Laboratory, Argonne, Ill., August 1997. This classroom course, an updated version of a 1994 course, includes four skill-building modules: news writer, telephone teams, media face-to-face, and media monitoring and analysis.

CSEPP Spokesperson Training Course, Argonne National Laboratory, Argonne, Ill., April 1997. This course provides intensive training with on-camera practice for decision makers and technical spokespersons.

Response Phase Decontamination for the Chemical Stockpile Emergency Preparedness Program, Oak Ridge National Laboratory, Oak Ridge, Tenn. This classroom course is designed to be presented as a independent course or as part of the *Agent Characteristics and Toxicology First Aid and Special Treatment (ACT FAST)* course. Independent modules (each requiring 1–2 hours) have been developed covering performing self- and buddy-decontamination, decontamination station procedures, decontamination by emergency medical personnel, and a planner's checklist for use in planning for decontamination within the CSEPP's framework. Course materials include instructor guide, student guide, and slides. (18)

Associated document

Copenhaver, E. D. *Response Phase Decontamination for CSEPP: Training Guide*, ORNL/M-3081, Oak Ridge National Laboratory, Oak Ridge, Tenn., March 1994.

Personal Protective Equipment, Oak Ridge National Laboratory, Oak Ridge, Tenn. This classroom course is designed to be presented as an independent course or as part of the *Agent Characteristics and Toxicology First Aid and Special Treatment (ACT FAST)* course. This course, developed from the detailed literature provided by the U.S. Army and respirator manufacturers, can be used in training Chemical Stockpile Emergency Preparedness Program participants to use personal protective equipment (instructor guide, student guide, slides, associated video). (18)

Associated documents

Foust, C. B., C. J. Comer, and E. D. Copenhaver. *Personal Protective Equipment Study Guide*, ORNL/M-3638, Oak Ridge National Laboratory, Oak Ridge, Tenn., 1994.

Foust, C. B., C. J. Comer, and E. D. Copenhaver. *Personal Protective Equipment Instructor's Guide*, ORNL/M-3638, Oak Ridge National Laboratory, Oak Ridge, Tenn., 1994.

Technical Planning and Evaluation, Oak Ridge National Laboratory, Oak Ridge, Tenn. A computer-based, self-paced training course designed for those responsible for developing protective action plans for chemical accidents as well as those who want an overview of the planning process and the tools used in developing protective action plans. (18)

Associated documents

Clevenger, W. F., C. J. Coomer, E. D. Copenhaver, and J. H. Sorensen. *Technical Planning and Evaluation Student Workbook*, ORNL/M-3096, Oak Ridge National Laboratory, Oak Ridge, Tenn., March 1993.

Copenhaver, E. D., W. F. Clevenger, C. J. Coomer and J. H. Sorensen. *Technical Planning and Evaluation Facilitator's Guide*, ORNL/M-3184, Oak Ridge National Laboratory, Oak Ridge, Tenn., March 1995.

Use of Auto-Injectors by Civilian Emergency Medical Personnel to Treat Civilians Exposed to Nerve Agent, Oak Ridge National Laboratory, Oak Ridge, Tenn. A 3-hour course that can be presented as a independent course or as part of the *Agent Characteristics and Toxicology First Aid and Special Treatment (ACT FAST)* course. The material is designed to prepare participants to identify antidotes to be administered in the event of nerve agent exposure, identify the conditions under which antidote auto-injectors should be used, demonstrate the use of the antidote auto-injectors, and recognize adverse reactions to the use of the antidotes (instructor guide, student guide, slides). (18)

Associated document

Copenhaver, E. D. *Use of Auto-Injectors by Civilian Emergency Medical Personnel to Treat Civilians Exposed to Nerve Agent, Study Guide*, ORNL/M-3319, Oak Ridge National Laboratory, Oak Ridge, Tenn., 1994.

Computer-Based Training

CSEPP JIC Advisor CBT, Oak Ridge Institute for Science and Education, Oak Ridge, Tenn. Computer-based training (on CD-ROM) designed for Joint Information Center participants. It can be used as an alternate or supplement to classroom training and contains customized resources for each of the CSEPP sites.

The Emergency Planner's Companion series (When completed, *The Emergency Planner's Companion*, will be a suite of seven CD-ROM titles are designed to familiarize planner with and evaluate their competency in critical areas of the emergency planning process.)

The Emergency Planner's Companion: Command and Control©, Oak Ridge National Laboratory, Oak Ridge, Tenn., August 1996.

The Emergency Planner's Companion: Public Information and Education©, Oak Ridge National Laboratory, Oak Ridge, Tenn., August 1997.

The Emergency Planner's Companion: Protective Actions, Oak Ridge National Laboratory, Oak Ridge, Tenn., 2000.

Working Together to Protect Our Community, Innovative Emergency Management, Inc., Baton Rouge, La. A series of site-specific CDs, containing information about the CSEPP program. The first seven CDs were distributed in December 1998 (Blue Grass was delayed until March 2000) as an information tool for the general public. A second set of eight CDs, containing the same information in Microsoft PowerPoint© format and designed to provide public information staff with information and graphics for preparing presentations on CSEPP was released in January 2000 (19).

Writing News Releases, Argonne National Laboratory, Argonne, Ill., December 1998. This is a computer-based training tool developed for CSEPP.

Videotapes

Attaining Peak Performance in Public Affairs, Argonne National Laboratory, Argonne, Ill., December 1999. Susan St. John of Career examines individual styles and characteristics and discusses how best to incorporate them as a public affairs official.

Conflict Resolution, Argonne National Laboratory, Argonne, Ill., October 1997. Sarita Maybin-Anderson of CareerTrack discusses ways to keep your cool, stand your ground, and reach a positive resolution to conflicts at work and at home.

Chemical Stockpile Agent Characteristics and Effects©, Oak Ridge National Laboratory, Oak Ridge, Tenn., 1993. This training video describes the potential hazards of nerve and blister agents: what they are, potential routes of exposure, and how they work, and also identifies the signs and symptoms of nerve and blister agent exposure. (20)

Effective Presentations, Argonne National Laboratory, Argonne, Ill., December 1999. Thea Lammers of CareerTrack looks at ways to enhance your vocal, verbal and visual image; overcome stage fright; and use visual aids to deliver powerful presentations.

Emergency Preparedness with Wally Wise Guy, Argonne National Laboratory, Argonne, Ill., June 1998. Wally Wise Guy, the emergency preparedness turtle, explains the differences between various emergency siren sounds and protective actions for people living and working near the Newport Chemical Depot, Newport, Indiana.

How Do I Know?, prepared for the Chemical Stockpile Emergency Preparedness Program by the Center for Devices and Radiological Health, Food and Drug Administration, Department of Health and Human Services, Washington, D.C., 1995. This video describes and illustrates the testing and evaluation that went into assessing Personal Protective Equipment (PPE) available for use by CSEPP emergency responders. (20)

An Introduction to Protective Action Decision Making, Oak Ridge National Laboratory, Oak Ridge, Tenn., 1995. This video describes two primary protective action options-evacuation and shelter-in-place-that could be recommended during a chemical emergency; the crucial decision issues for each option; and a process that planners and decision makers can use in developing protective action plans. (20)

Principles of Web Site Design, Argonne National Laboratory, Argonne, Ill., January 2000. Dr. Michael Holmes of the University of Utah's Department of Communication discusses strategies for optimizing the content and structure of your web site specifically for your intended audience.

RE-ACT FAST: Refresher on Agent Characteristics and Toxicology First Aid and Special Treatment, Oak Ridge National Laboratory, Oak Ridge, Tenn., 1999. This training video is a refresher course for CSEPP emergency workers that covers signs and symptoms of agent exposure, initial treatment (including use of auto-injectors), and use of personal protective equipment. A facilitator guide is also available for use with the video.

Some Assembly Required: How Models Are Built and Used, Oak Ridge National Laboratory, Oak Ridge, Tenn., April 1996. This video describes what models are; how models are developed; how models can be used in the protective action decision making process; and the limitations and reliability of models. (20)

SRFX-91: The Community Response, Office of Public Affairs, Federal Emergency Management Agency, Washington, D.C., 1991. This video gives an overview of an early joint Army and community exercise at Tooele, Utah.

Stress: Understanding Yourself and Others in a Crisis, Argonne National Laboratory, Argonne, Ill., November 1998. Dr. Grady Bray, an internationally known disaster psychologist, examines the effects of stress on the disaster responder and the disaster-affected community and offers valuable advice on coping with stress.

The Weyauwega Experience: Media, Pets and the Public, Argonne National Laboratory, Argonne, Ill., April 1997. In this videotape, disaster responders and public information officers describe a small town's emergency response and recovery challenges following a train derailment and hazardous materials release.

What To Do When Teams Don't Work, Argonne National Laboratory, Argonne, Ill., November 1998. Jeffrey L. Magee of CareerTrack looks at team dynamics: what causes dissension, how to bring team members together to work effectively toward a common goal, and how to keep a team on track.

Working with the Media Before and During a Crisis: A Panel Discussion, Argonne National Laboratory, Argonne, Ill., November 1998. Members of local and national media and emergency management officials discuss how best to work with the media to get accurate, timely and understandable information to the public before and during emergencies (recorded at the 1997 CSEPP Public Affairs Officers Conference).

Other proprietary training may be available from commercial sources. States or sites may have also developed site-specific CSEPP training.

CSEPP SOFTWARE

CSEPP Plan Evaluation Wizard. This software tool enables a planner to conduct rapidly and easily a comprehensive evaluation of a plan against CSEPP Planning Guidance guidelines. This evaluation includes assessing the degree of compliance with the Planning Guidance checklist items, recording judgements about the sufficiency of the jurisdiction's plan, and identifying areas where further work is needed. Software (developed by Oak Ridge National Laboratory) can be downloaded at <http://cseppweb-emc.ornl.gov/CSEPPWizard.html> .

Emergency Management Information System (EMIS), Ver. 3.1 (Build 20, Service Pack 3). EMIS is a modular information management system developed for the U.S. Army by Applied Computing Systems, Inc. EMIS is a collection of interactive programs that supports information sharing, messaging, geographic displays, real-time meteorological data, etc. The programs can run in a network, remote, or detached configuration.

Associated documents

Applied Computing Systems, Inc. *Quick Start Documentation for the U.S. Army Emergency Management Information System, EMIS Version 3.1*, Los Alamos, N.M., July 8, 1999.

Applied Computing Systems, Inc. *FEMIS Communication Documentation for the U.S. Army Emergency Management Information System, EMIS Version 3.1*, Los Alamos, N.M., July 8, 1999.

Applied Computing Systems, Inc. *System Administration Documentation for the U.S. Army Emergency Management Information System, EMIS Version 3.1*, Los Alamos, N.M., July 8, 1999.

Applied Computing Systems, Inc. *User Documentation for the U.S. Army Emergency Management Information System, EMIS Version 3.1*, Los Alamos, N.M., July 8, 1999.

Federal Emergency Management Information System (FEMIS®), Ver. 1.4.6. FEMIS is an integrated system that provides planning, coordination, response, and exercise support for emergency management. Developed by Pacific Northwest National Laboratory, FEMIS is a planning-based automated decision support system that integrates several commercially available software applications. (21)

Associated documents

Angel, L. K., J. C. Bower, R. A. Burnett, T. R. Downing, P. M. Fangman, M. Hoza, D. M. Johnson, R. L. Johnson, S. M. Johnson, R. M. Loveall, W. D. Millard, S. A. Schulze, and B. M. Wood. *Federal Emergency Management Information System (FEMIS): Data Management Guide for FEMIS v1.4.6*, PNL-16011 Ver 1.4.6, Pacific Northwest National Laboratory, Richland, Wash., June 25, 1999.

Arp, J. A., J. C. Bower, R. A. Burnett, R. J. Carter, T. R. Downing, P. M. Fangman, L. H. Gerhardstein, B. J. Homer, D. M. Johnson, R. L. Johnson, S. M. Johnson, R. M. Loveall, T. J. Martin, W. D. Millard, S. A. Schulze, L. R. Stoops, S. Tzemos, and B. M. Wood. *Federal Emergency Management Information System (FEMIS): System Administration Guide for FEMIS v1.4.6*, PNL-16010 Ver 1.4.6, Pacific Northwest National Laboratory, Richland, Wash., June 25, 1999.

Arp, J. A., R. A. Burnett, R. J. Carter, T. R. Downing, J. R. Dunkle, P. M. Fangman, P. P. Gackle, B. J. Homer, D. M. Johnson, R. L. Johnson, S. M. Johnson, R. M. Loveall, A. J. Stephan, W. D. Millard, and B. M. Wood. *Federal Emergency Management Information System (FEMIS): Installation Guide for FEMIS v1.4.6*, PNL-16012 Ver 1.4.6, Pacific Northwest National Laboratory, Richland, Wash., June 25, 1999.

Downing, T. R., P. M. Fangman, B. J. Horner, D. M. Johnson, R. L. Johnson, S. M. Johnson, R. M. Loveall, W. D. Millard, L. R. Stoops, B. M. Wood. *Federal Emergency Management Information System (FEMIS): Bill of Materials for FEMIS Version 1.4.6*, PNL-10689 Ver 1.4.6, Pacific Northwest National Laboratory, Richland, Wash., Mar. 5, 1999. (22)

Oak Ridge Evacuation Modeling System, Ver. 2.50. OREMS is a Windows-based software program developed by Oak Ridge National Laboratory to address problems encountered in conducting evacuation time estimation studies using available commercial and public domain software. The goal was to produce a software program that utilized the latest traffic simulation software from DOT and would run faster than other models and simplify the modeling process.

Associated document

Oak Ridge National Laboratory. *Oak Ridge Evacuation Modeling System (OREMS) Version 2.50 User's Guide*, Oak Ridge, Tenn., Sept. 30, 1998.

Protective Action Dosage Reduction Estimator (PADRE©). PADRE is an interactive software program developed at Oak Ridge National Laboratory to simulate an emergency response to airborne releases of chemical agents. It helps emergency planners evaluate protective actions for chemical emergencies.

CSEPP WEB SITES

(URLs were correct and functioning on Mar. 13, 1999.)

Federal Sites

“Can We Destroy Chemical Weapons Safely?” National Center for Environmental Health, Centers for Disease Control and Prevention, U.S. Department of Health and Human Services, URL: <http://www.cdc.gov/nceh/programs/demil/default.htm> .

“Chemical Stockpile Emergency Preparedness Program,” Federal Emergency Management Agency, Jan. 24, 1998, URL: <http://www.fema.gov/pte/csepp1.htm> .

“Chemical Stockpile Emergency Preparedness Program Acronyms,” Feb. 17, 1998, URL: <http://csepp.apgea.army.mil/biblio/glossary/acronyms.html> .

“Chemical Stockpile Emergency Preparedness Program Glossary,” Feb. 9, 1998, URL: <http://csepp.apgea.army.mil/biblio/glossary/glossary.html> .

“Chemical Stockpile Emergency Preparedness Program Web Site,” Federal Emergency Management Agency (operated by Oak Ridge National Laboratory), URL: <http://cseppweb-emc.ornl.gov/> .

“Chemical Stockpile Emergency Preparedness Program,” U.S. Army, URL: <http://csepp.apgea.army.mil/> .

“Federal Emergency Management Information System (FEMIS) Web Site,” Pacific Northwest National Laboratory, URL: www.pnl.gov/femis/ . In addition to information about FEMIS, the site contains links to some state emergency management agencies and to disposal facilities at each CSEPP location.

“Program Manager for Chemical Demilitarization Web Site,” U.S. Army, URL: <http://www-pmcd.apgea.army.mil/> . This site includes the Chemical Stockpile Disposal Program site (URL: <http://www-pmcd.apgea.army.mil/text/CSDP/index.html>) and the Alternative Technologies and Approaches site (URL: <http://www-pmcd.apgea.army.mil/text/ATAP/index.html>). The site map also provides links to information on each stockpile location.

“Soldier and Biological Chemical Command,” U.S. Army , URL: <http://www.sbccom.army.mil/> . Material Safety Data Sheets (MSDS) for chemical warfare agents are available at <http://in1.apgea.army.mil:80/RDA/ecbc/services/msds/index.htm> .

State and Local Sites

The following states have CSEPP or CSEPP-related web pages, containing information about the program. Some state sites include public information materials.

Alabama

“Chemical Stockpile Emergency Preparedness Program (CSEPP) Branch,” Alabama Emergency Management Agency, URL: <http://209.192.62.27/Preparedness/CSEPP.htm> .

Colorado

“Chemical Stockpile Emergency Preparedness Program,” Department of Emergency Management, Pueblo County, Colo., URL: <http://www.co.pueblo.co.us/pcem/CSEPP/> .

“The Colorado Chemical Stockpile Emergency Preparedness Program (CSEPP),” Colorado Department of Local Affairs, Office of Emergency Management, URL: <http://www.dlg.oem2.state.co.us/oem/csepp.htm> .

Indiana

“Chemical Stockpile Emergency Preparedness Program,” Indiana State Emergency Management Agency, URL: <http://www.state.in.us/sema/csepp.html> .

Kentucky

“Area 13's Links to CSEPP,” Kentucky Division of Emergency Management, Area 13 Office, URL: <http://home.earthlink.net/~lweiler/csepp.html> .

“Chemical Stockpile Emergency Preparedness Program Public Information,” Kentucky Division of Emergency Management, URL: http://webserve.dma.state.ky.us/csepp/cs_pio.htm .

“KyEM Chemical Stockpile Emergency Preparedness Program (CSEPP),” Kentucky Division of Emergency Management, URL: <http://webserve.dma.state.ky.us/csepp/index.html> .

Maryland

“Chemical Stockpile Emergency Preparedness Program Fact Sheet,” Maryland Emergency Management Agency, URL: <http://www.mema.state.md.us/csepfact.htm> .

“CSEPP News of Maryland,” Maryland Emergency Management Agency, URL: <http://www.mema.state.md.us/cseppnew.htm> .

Oregon

“Chemical Stockpile Emergency Preparedness Program: Frequently Asked Questions,” Oregon Emergency Management, URL: <http://www.osp.state.or.us/oem/cseppfaq.htm> .

Utah

“Chemical Demilitarization Section,” Utah Department of Environmental Quality, Division of Solid and Hazardous Waste, URL: <http://www.eq.state.ut.us/eqshw/cds/cds-m-2.htm> .

“The Chemical Stockpile Emergency Preparedness Program,” Utah Bureau of Emergency Medical Services, URL: <http://hlunix.hl.state.ut.us/ems/emmerprep/cssep.html> .

“Chemical Stockpile Emergency Preparedness Program,” Utah Division of Comprehensive Emergency Management, URL: <http://www.ps.ex.state.ut.us/cem/csepp1.htm> .

Washington

“Chemical Stockpile Emergency Preparedness Program,” Washington State Department of Health, URL: <http://www.doh.wa.gov/ehp/ts/csepp.htm> .

“Chemical Stockpile Emergency Preparedness Program,” Washington State Emergency Management, URL: <http://www.wa.gov/wsem/4-p&r/programs/csepp/cseppindex.htm> .

NOTES

(URLs were correct and functioning on Mar. 13 , 1999.)

- (2) Available in HTML format at <http://www.cdc.gov/nceh/programs/demil/articles/fr031588.htm> .
- (3) Available in both HTML and Acrobat pdf format at <http://csepp.apgea.army.mil/biblio/> .
- (4) Available in Acrobat pdf format at <http://csepp.apgea.army.mil/biblio/> .
- (5) Available in both HTML format and Acrobat pdf format at <http://emc.ornl.gov/PG/> .
Appendix N is not included in the web version.
- (6) Available in text and, in some cases, Acrobat pdf format at http://www.access.gpo.gov/su_docs/aces/aces160.shtml .
- (7) Available in HTML format at <http://www.cdc.gov/nceh/programs/demil/medsearches/fedregmed.htm> .
- (8) Available in both HTML and Acrobat pdf format at <http://www.fema.gov/r-n-r/frp/> .
- (9) Available in Acrobat pdf format at <http://cseppweb-emc.ornl.gov/CSEPPPublications.html> .
- (10) Available in Acrobat pdf format at <http://cseppweb-emc.ornl.gov/CSEPPTraining.html> .
- (11) Available in HTML format at http://www.ornl.gov/ornl94/lethal_legacy.html .
- (12) Available in HTML format at <http://www-pmcd.apgea.army.mil/text/CSDP/IP/PR/1998/199810/19981013/cdcltr.html> .
- (13) Available from National Academy Press, Washington, D.C., or through their web site at <http://www.nap.edu>. [Entries marked with asterisk (*) can be viewed online.]
- (14) Available in HTML format at <http://www.cdc.gov/nceh/programs/demil/articles/incinerator.htm>
- (15) Available in HTML format at <http://www.cdc.gov/nceh/programs/demil/articles/safedisposal.htm> .
- (16) Available in HTML format at http://www.state.co.us/gov_dir/leg_dir/lcsstaff/research/issuebrf-warfare.htm .
- (17) Available in HTML format at <http://csepp.apgea.army.mil/ipt/> .
- (18) Instructions and survey can be downloaded at <http://csepp.apgea.army.mil/ipt/> .

- (19) Downloadable in Acrobat pdf format at <http://cseppweb-emc.ornl.gov/TRAINDocumentation.html> . A CD-ROM containing these five training courses may be purchased from National Technical Information Services (order number PB98-502164INC, June 1998) at minimal reproduction cost [NTIS sales desk at 1-800-553-6847 (703-605-6000) or <http://www.ntis.gov/index.html>].
- (20) Original CDs are available through depot and regional FEMA Public Information Officers and at Public Outreach Offices at each chemical stockpile site.
- (21) This videotape can be viewed at <http://cseppweb-emc.ornl.gov/TV.html> . Copies of this video may be purchased through the National Technical Information Services at a minimal reproduction cost [NTIS sales desk at 1-800-553-6847 (703-605-6000) or <http://www.ntis.gov/index.html>].
- (22) Information available at <http://www.pnl.gov/femis> .
- (23) Contents available in HTML format at <http://www.pnl.gov/femis/about/bom146.htm> .

Download a free copy of Acrobat Reader at <http://www.adobe.com/prodindex/acrobat/readstep.html> .