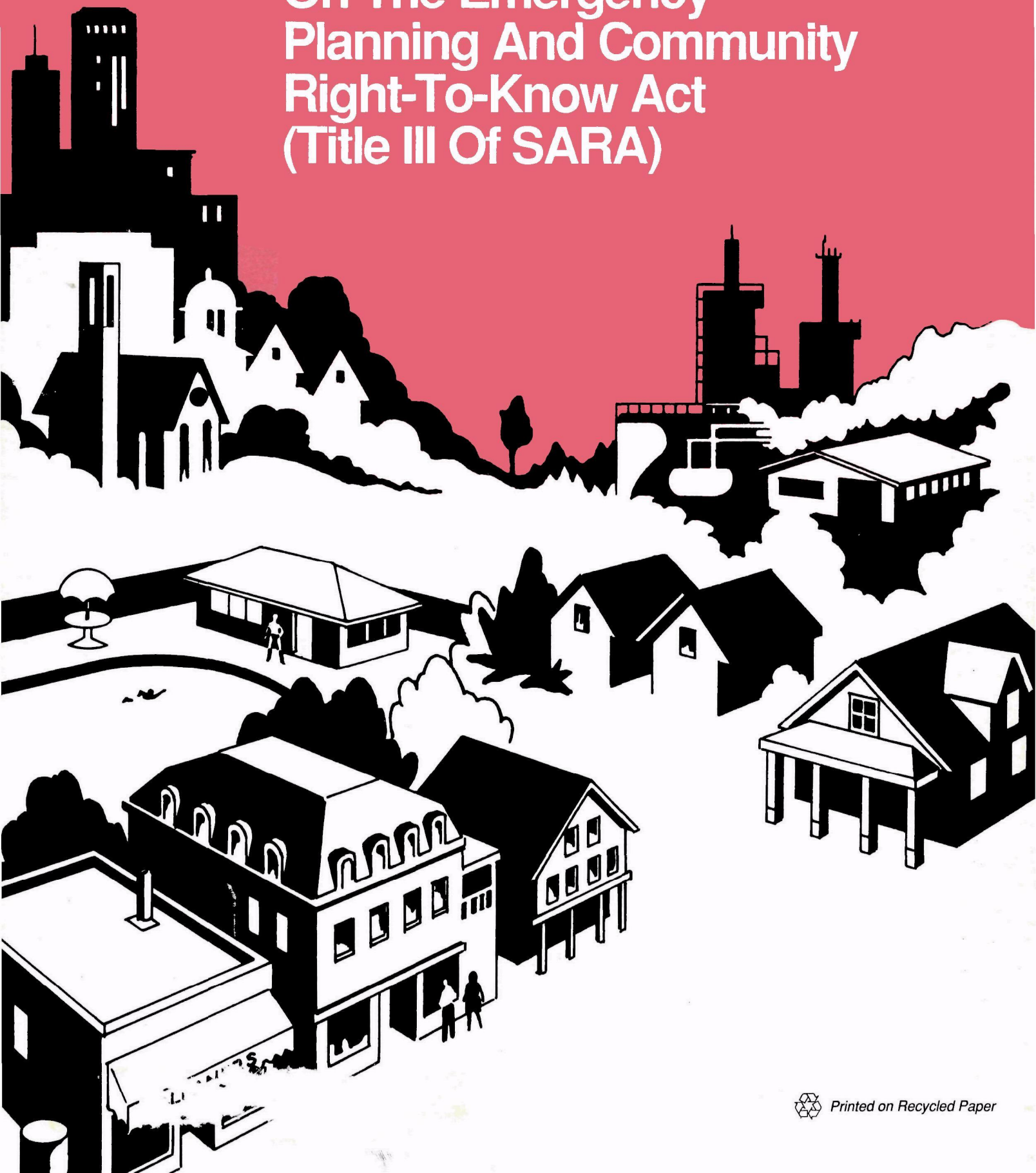
Solid Waste And
Emergency Response
(OS-120)

580/CE 91-002
August 1991

EPA

# Bibliography Of Materials On The Emergency Planning And Community Right-To-Know Act (Title III Of SARA)



Printed on Recycled Paper

This is a selected bibliography of materials that are related to the Emergency Planning and Community Right-to-Know Act of 1986. The bibliography was prepared by EPA's Chemical Emergency Preparedness and Prevention Office and the Office of Toxic Substances.

Unless otherwise noted, all of the following materials can be obtained by sending a written request to:

The Emergency Planning and Community Right-to-Know
Information Hotline
U.S. Environmental Protection Agency
OS-120
401 M St., SW
Washington, DC 20460

(For orders from NTIS, add a $3.00 fee per order for handling.)

Special Note for LOCAL EMERGENCY PLANNING COMMITTEES:

Greetings! We hope this bibliography will be helpful to you as you work to implement Title III in your communities. Here is a list of Title III "Best Sellers" from the bibliography. No LEPC bookshelf should be without this basic material:


| | |
|---|---|
| The Emergency Planning and Community Right-to-Know Act (Title III, the law) | page 1 |
| Chemicals in Your Community | page 1 |
| The Title III Fact Sheet | page 1 |
| NRT-1, Hazardous Materials Planning Guide | page 7 |
| NRT-1A, Criteria for Review of Hazardous Materials Emergency Plans | page 7 |
| NRT-2, Developing a Hazardous Materials Exercise Program | page 7 |
| Technical Guidance for Hazards Analysis | page 7 |
| Handbook of Chemical Hazard Analysis Procedures | page 7 |
| Community Right-to-Know Reporting Requirements: Final Rule | page 11 |
| The List of Lists | page 2 |
| It's Not Over in October | page 2 |
| The National Governor's Association "SERC Book"--a Status of State Actions | page 4 |
| When All Else Fails | page 25 |
| Risk Communication About Chemicals in Your Community | page 26 |
| CAMEO | page 29 |
| Why Accidents Occur | page 23 |

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# BIBLIOGRAPHY OF MATERIALS ON THE EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT (TITLE III OF SARA)

## GENERAL TITLE III MATERIALS

**"Emergency Planning and Community Right-to-Know Act of 1986," Title III of the Superfund Amendments and Reauthorization Act (SARA), P.L. 99-499.**

This is the law enacted by the U.S. Congress which calls for State and local emergency planning activities, establishes citizens' right-to-know about chemicals in the community, and mandates that facilities report about the presence and emissions of chemicals.

**"Emergency Planning and Community Right-to-Know (Title III) Factsheet," February 1990 (revised periodically).**

A 9-page summary of the Emergency Planning and Community Right-to-Know Act of 1986. This document includes the requirements of each section, the facilities covered by each section and a chart of key dates for Title III.

**"Chemicals in Your Community: A Citizen's Guide to the Emergency Planning and Community Right-to-Know Act" (OSWER-90-002), September 1988.**

This booklet is intended to provide a general overview of the Title III requirements and benefits for all audiences. Part I of the booklet describes the provisions of Title III and Part II describes more fully the authorities and responsibilities of the groups of people affected by the law.

**"List of State Emergency Response Commissions/Title III Contacts".**

The EPA's periodically revised list of State Emergency Response Commission contacts. The name, title, address and phone number contacts for each State as well as some U.S. territories are listed.

**"Emergency Planning and Community Right-to-Know Act of 1986; Questions and Answers," June 1, 1989 (revised periodically).**

This document has been developed to expedite facility reporting and to provide additional explanation of the reporting requirements under the Emergency Planning and Community Right-to-Know Act of 1986.

**"Title III List of Lists (Consolidated List of Chemicals Subject to Reporting Under the Emergency Planning and Community Right-to-Know Act)" (EPA 560/4-91-011), January 1991 (Revised on a yearly basis).**

A consolidated list of certain chemicals subject to reporting under Title III of SARA and CERCLA. This document lists by CAS number the extremely hazardous substances with their threshold planning quantities, a partial listing of CERCLA hazardous substances with associated reportable quantities (including the RCRA hazardous wastes from the P and U lists), and the Section 313 toxic chemicals.

A **diskette** version of the Title III List of Lists is available from:

National Technical Information Service
5285 Port Royal Rd.
Springfield, VA 22161
703-487-4650
Order Number: PB91-506964
$ 80

**"It's Not Over in October: A Guide for Local Emergency Planning Committees; Implementing the Emergency Planning and Community Right-to-Know Act of 1986" (OSWER-90-004), September 1988.**

The purpose of this booklet is to offer suggestions to Local Emergency Planning Committees to help them implement Title III. The booklet describes the function of Local Emergency Planning Committees and provides ideas and examples based on past Local Emergency Planning Committees, EPA and Federal Emergency Management Agency experiences.

**"Toxic and Hazardous Chemicals, Title III and Communities: An Outreach Manual for Community Groups" (EPA 56-1-89-002), September 1989.**

This document was produced by Georgetown University Medical Center's Institute for Health Policy Analysis under a cooperative agreement with EPA's Office of Toxic Substances. It was prepared for State and local officials and community groups that implement the law. It is intended to be a practical guide for those who have little or no previous experience in the field of communication and whose resources are limited. The manual contains three major sections: Part 1 discusses emergency planning, Part 2 suggests ways to keep people motivated, and Part 3 is a how-to section, discussing specific tasks such as ways to present speeches and write press releases related to Title III.

**"Successful Practices in Title III Implementation".**

**1. (OSWER-88-006.1), January 1989.**
**2. (OSWER-89-006.2), August 1989.**
**3. (OSWER-89-006.3), December 1989.**
**4. (OSWER-90-006.1), March 1990.**
**5. (OSWER-90-006.2), July 1990.**
**6. (OSWER-90-006.3), September 1990.**
**7. (OSWER-91-006.1), February 1991.**

This is a series of EPA bulletins providing examples of Title III programs and practices that are innovative or have proven to be effective. The purpose of these bulletins is to share information on successful practices with Local Emergency Planning Committees, State Emergency Response Commissions, fire departments, and Title III implementing agencies throughout the country with the hope that such information will prove to be useful to other State Emergency Response Commissions and Local Emergency Planning Committees as their programs develop and evolve.

**"Chemicals, The Press, and The Public: A Journalist's Guide To Reporting on Chemicals in the Community," 1989.**

This guidebook gives journalists insights into reporting on the information disclosed under Title III. It reviews the key provisions of Title III and methods to obtain Title III related chemical information.

This document is available by written request to:
Environmental Health Center
National Safety Council
1050 17th St., NW, Suite 770
Washington, DC 20036

**"Information Resources Directory," (OPA 003-89), Office of Information Resources Management, Fall 1989.**

The Information Resources Directory contains general reference information, as well as listings and descriptions of environmental information resources, such as computer software and databases from both EPA and non-EPA sources. Contact individuals by subject area are also included. Information is also included on EPA's 30 libraries nationwide. A final section of the directory contains information on EPA's dockets, hotlines, bulletin boards, and clearinghouses.

This document is available by written request or by contacting:

National Technical Information Service
5285 Port Royal Rd.
Springfield, VA 22161
703-487-4650
Order number: PB90-132192 ACS
$29.50

**"The Emergency Planning and Community Right-to-Know Act: A Status of State Actions," 1990.**

This document, published by the National Governors' Association, describes State Emergency Response Commissions and provides information on how States have addressed key issues. It is updated annually.

This report is available by sending a pre-paid written request to:

National Governors' Association
Hall of the States
444 North Capitol St., Suite 250
Washington, DC 20001-1572
$15.00 -- single copies are available gratis to government officials.

**"What It Means to You: A Videotape on the Emergency Planning and Community Right-to-Know Act," October 1989.**

"What it Means to You" is a 15 minute videotape that explains to businesses and community members actions they can take to learn about chemicals in the community and steps they can take to plan for the possibility of chemical accidents. Viewers also learn how to obtain information about releases of toxic chemicals that may take place.

This videotape is available by contacting:

Color Film Corporation
Video Division
770 Connecticut Ave.
Norwalk, CN 06854
800-882-1120
3/4" - $28.95, Beta I and Beta II - $20.65,
VHS - $21.50

**"Why You Need to Learn About Hazardous Materials," American Medical Association, 1990.**

This is a brochure introducing Title III to the physician.

This brochure is available by written request to:
American Medical Association
Department of Biomedical Science
515 N. State Street
Chicago, IL 60610

**"Title III: What It Means To You," 1987.**

This brochure briefly explains the main provisions of Title III and tells how citizens can participate in and obtain information from their Local Emergency Planning Committees.

This document is available by written request to:
U.S. Environmental Protection Agency
Attention: Title III Coordinator
841 Chestnut Building
Philadelphia, PA 19107

**"The Emergency Planning and Community Right-to-Know Act: A Framework for Action".**

Developed jointly by the EPA, U.S.D.A.'s Extension Service, and Oklahoma State University's Cooperative Extension Service, this video aids rural public agencies in learning about and implementing risk management practices. The video stresses that small communities can better manage risk if they become involved with their Local Emergency Planning Committees and use the information now available under the Act.

Other materials have been prepared as part of the USDA Extension Service's ongoing training on risk management.

This video and other training materials are available by contacting:
Department of Agricultural Communications
Public Information Building
Oklahoma State University
Stillwater, OK 74078-0222
405-744-6853
Video number: VT-249

# EMERGENCY PLANNING, NOTIFICATION AND TRAINING (Sections 301 - 305) RESOURCES

**"Extremely Hazardous Substances List and Threshold Planning Quantities; Emergency Planning and Release Notification Requirements;" Final Rule; 52 FR 13378 (April 22, 1987).**

This Federal Register contains the final rule on Sections 302 and 304 of Title III, the emergency planning and emergency notification sections. This document does not contain the extremely hazardous substances list; that list is an appendix to this Federal Register and is distributed separately.

**"Designation of Extremely Hazardous Substances as CERCLA Hazardous Substances;" Proposed Rule; 54 FR 3388 (January 23, 1989).**

This Federal Register proposed to designate 232 extremely hazardous substances listed pursuant to Title III of SARA as hazardous substances under CERCLA. Currently, 134 extremely hazardous substances are already CERCLA hazardous substances. This proposed rule is intended to reduce potential confusion concerning different SARA Title III and CERCLA requirements by ensuring consistent procedures for reporting releases of all extremely hazardous substances.

**"Reporting Continuous Releases of Hazardous Substances;" Final Rule; 55 FR 30166 (July 24, 1990).**

This Federal Register presents the EPA's interpretation of the CERCLA section 103(f)(2) reporting requirements. Section 103(f)(2) OF CERCLA provides relief from the reporting requirements of section 103(a) for a release of a hazardous substance that is continuous, stable in quantity and rate, and either is a release from a facility for which notification has been given under section 103(c) or is a release for which notification has been given under section 103(a) for a period sufficient to establish the continuity, quantity, and regularity of the release. Relief from reporting under section 103 also applies to notification required under section 304 of SARA Title III.

**"Extremely Hazardous Substance List; Availability of Documents on Flammables and Explosives;" Advance Notice of Proposed Rulemaking; 55 FR 35012 (August 27, 1990).**

In this Federal Register EPA provides advance notice that it is considering proposing a rule that specifies criteria that will be used to add chemicals to the extremely hazardous substance list under Section 302 of Title III. The EPA also announces the availability of technical background documents on the potential criteria for listing explosives and flammables.

**"List of Extremely Hazardous Substances" (OSWER-EHS-1), March 1, 1988.**

The complete list of extremely hazardous substances as defined under Section 302 of Title III. This document lists the chemicals alphabetically and by CAS number. The reportable quantity and threshold planning quantity of each chemical is also listed.

**"Hazardous Materials Emergency Planning Guide" (NRT-1), March 1987.**

The purpose of this guide is to assist communities in planning for hazardous materials incidents. This guide outlines the development of planning teams and hazardous materials emergency plans. It also addresses approaches to plan appraisal and continuing planning.

**"Criteria for Review of Hazardous Materials Emergency Plans" (NRT-1A), May 1988.**

This document contains a set of criteria which may be used by the Regional Response Teams (RRT) under the provisions of Section 303(g) of the Emergency Planning and Community Right-to-Know Act of 1986.

**"Developing a Hazardous Materials Exercise Program: A Handbook for State and Local Officials" (NRT-2), September 1990.**

This handbook was prepared by the National Response Team to provide State and local governments with practical advice for developing a comprehensive hazardous materials exercise program. The purposes of this handbook are many: To emphasize the value of exercises in testing and improving emergency plans and training emergency response personnel; to provide pointers for selecting the appropriate exercise type and exercise objectives based on community risk, capability, available resources, and level of support from elected officials; to apply lessons learned from other exercises and actual incidents; and to describe Federal and private sector support and assistance available for conducting hazardous materials exercises.

**"Technical Guidance for Hazards Analysis" (OSWER-88-001), December 1987.**

This document provides technical assistance to Local Emergency Planning Committees in assessing the lethal hazards related to airborne releases of extremely hazardous substances.

This guide should be used with NRT-1.

**"Handbook of Chemical Hazard Analysis Procedures," FEMA/EPA/DOT.**

This handbook expands "NRT-1" and "Technical Guidance for Hazardous Analysis" by including information on explosive, flammable, reactive and otherwise dangerous chemicals. By introducing these additional methodologies on how to plan for these and other dangerous chemicals, this handbook serves as a

stepping stone from "NRT-1" and "Technical Guidance for Hazardous Analysis" to a more comprehensive approach to emergency planning.

This document is available by written request to:
Federal Emergency Management Agency
Publications Department
500 C St., SW
Washington, DC 20472

**"1990 Emergency Response Guidebook", DOT P 5800.5.**

This guidebook lists over 1,000 hazardous materials by name and DOT number. General hazards and isolation distances for these materials are also discussed. Information regarding the guidebook is also listed on the Hazardous Materials Information Exchange (HMIX), described on page 29 of this document.

This document is available by telephoning: 1-800-PLAN FOR to obtain information about distribution for your area. In Illinois, call 1-800-367-9592.

**"Chemical Emergency Preparedness and Prevention Advisory: Swimming Pool Chemicals: Chlorine" EPA/OSWER 90-008.1, Series 8, No. 1.**

This is a brief advisory to Local Emergency Planning Committees about special attention to be paid to swimming pool chemicals in the summer. The advisory contains a brief description of how pool chemicals work and some suggested steps for LEPCs and facilities.

This advisory is the first in a series of special advisories to LEPCs. The advisories deal with chemicals in common use.

**"Guide to Exercises in Chemical Emergency Preparedness Programs" (OSWER-88-006), May 1988.**

The purpose of this guide is to provide local and State officials with a self-contained manual for use in conducting a wide range of chemical emergency exercises. It includes three technical assistance bulletins (numbers one, two, and three) published by the EPA:

1. Introduction to Exercises in Chemical Emergency Preparedness Programs

2. A Guide to Planning and Conducting Table-Top Exercises

3. A Guide to Planning and Conducting Field Simulation Exercises

These materials which are a compilation of Technical Assistance Bulletins 1, 2 and 3, are current; however, NRT-2 described above, replaces this guide and includes this information.

**"Computer Systems for Chemical Emergency Planning" (Technical Assistance Bulletin 5) (OSWER-89-005), September 1989.**

This bulletin was developed to assist local planners to identify computer systems applicable to SARA Title III. The bulletin provides a checklist to help State Emergency Response Commissions and Local Emergency Planning Committees identify computer systems applicable for local planning.

**"Tort Liability in Emergency Planning" (Technical Assistance Bulletin 7) (OSWER-89-007), January 1989.**

This document was developed to assist interested persons in various emergency planning, preparedness or prevention activities by Dr. John Pine of Louisiana State University. The bulletin addresses concerns raised by members of Local Emergency Planning Committees about the liability that may arise from their planning and administrative duties. Liability and protection from liability is discussed from the Federal and State employee perspective.

**"Proceedings from the 1989 National Conference on Hazardous Materials Training," Sponsored by the National Response Team.**

This document contains the proceedings and recommendations from the March 22 - 30, 1989, National Conference on Hazardous Materials Training held at the National Emergency Training Center in Emmitsburg, MD.

**"Acute Hazardous Events Data Base (1989) Final Report," Industrial Economics, Incorporated, Cambridge, MA, December 1989.**

The Acute Hazardous Events Data Base (AHE/DB) has been assembled as one component of EPA's ongoing effort to assess and respond to the dangers posed to the U.S. public and workers by sudden, accidental releases of toxic chemicals. The current AHE/DB contains 6,190 records representing 10,933 events which occurred in the United States over the five year period from 1982 to 1986. The AHE/DB is composed of four relational data bases that are maintained on IBM AT-compatible personal computer equipment. These data bases contain information transcribed from existent chemical release event reports, information on facilities involved in the AHE/DB events and, information on the chemicals involved in the events reported in the AHE/DB.

This document is available by written request or by contacting:

National Technical Information Service
5285 Port Royal Rd.
Springfield, VA 22161
703-487-4650

**"Digest of Federal Training in Hazardous Materials" (FEMA 134), July 1987.**

This document provides information on Federal training in hazardous materials. Information provided includes: the agency offering the course, target audiences and selection criteria, duration of the course, scope and content, methodology/presentation modes, prerequisites, scheduling and delivery, and agency contact. This document is periodically updated; a new version is expected in late 1991.

This document is available by written request to:

Federal Emergency Management Agency
National Emergency Training Institute
16825 South Seton Ave.
Emmitsburg, MD 21727

## REPORTING REQUIREMENTS FOR MATERIAL SAFETY DATA SHEETS, EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY FORMS (Sections 311 -312) RESOURCES

**"Emergency and Hazardous Chemical Inventory Forms and Community Right-to-Know Reporting Requirements;" Final Rule; 52 FR 38344 (October 15, 1987).**

This is the final rule on Sections 311 and 312 of Title III, the community right-to-know sections. This Federal Register contains the MSDS and inventory reporting requirements, the Tier I and Tier II forms and instructions for these forms. These Forms are updated in the July 26, 1990 Federal Register notice. (See p. 11.)

**"Emergency and Hazardous Chemical Inventory Forms and Community Right-to-Know Reporting Requirements; Implementation of Reporting Requirements for Indian Lands," Proposed Rule; 54 FR 12992 (March 29, 1989).**

This is the proposed rule on the final reporting threshold for Sections 311 and 312 of Title III, the community right-to-know sections. The Federal Register also proposes clarification of policy on multi-establishment facilities and reporting for sub-surface operations.

**"Emergency and Hazardous Chemical Inventory Forms and Community Right-to-Know Reporting Requirements;" Interim Final Rule and Supplemental Notice to Proposed Rule; 54 FR 41904 (October 12, 1989).**

This is an interim final rule on the reporting thresholds for Sections 311 and 312 of Title III, the community right-to-know sections. The Federal Register extends, for manufacturing facilities, the reporting thresholds established for the first two years of reporting under the final October 15, 1987 rule. In the Supplemental Notice, EPA clarifies and solicits comments on its intent to establish uniform reporting thresholds for all facilities required to submit reports under Sections 311 and 312.

**"Community Right-to-Know Reporting Requirements;" Final Rule; 55 FR 30632 (July 26, 1990).**

In this Federal Register, the EPA promulgated final reporting thresholds under sections and established uniform effective dates for all facilities subject to reporting requirements under sections 311 and 312 of SARA. EPA also finalized several other provisions proposed in the March 29, 1990 NPRM, including the revision of the definition of "facility", the treatment of mixtures in threshold calculations, and the implementation of Title III by Indian Tribes on Indian lands. Updated Tier I and Tier II Forms are also included.

**"Community Right-to-Know and Small Business" (OSWER-88-005), September 1988.**

This illustrated brochure is directed towards businesses that may have requirements under Sections 311 and 312 of Title III. The brochure provides background information on Title III and the community right-to-know reporting requirements (Sections 311 and 312). It describes the requirements for small businesses and helps them determine if they need to comply.

## TOXIC RELEASE INVENTORY (Section 313) RESOURCES

**"Toxic Chemical Release Reporting; Community Right-to-Know;" Final Rule; 52 FR 4500 (February 16, 1988).**

This is the final rule on Section 313 of Title III, toxic chemical release reporting.

**"The Emergency Planning and Community Right-to-Know Act: Section 313 Release Reporting Requirements" (EPA 560/4-91-002), December 1990.**

This 24 page brochure alerts businesses to their reporting obligations under Section 313 and helps them determine whether their facility is required to report. The brochure contains the Section 313 EPA Regional contacts, the Section 313 toxic chemical

list and a description of the Standard Industrial Classification (SIC) codes subject to Section 313. This brochure was originally distributed to a large number of manufacturing facilities in the U.S.

**"Supplier Notification Requirements" (EPA 560/4-91-006).**

This pamphlet assists chemical suppliers who may be subject to the supplier notification requirements under Section 313 of Title III. The pamphlet explains the supplier notification requirements, gives examples of situations which require notification, describes the trade secret provision, lists the Regional Section 313 contacts and contains a sample notification.

**"Toxic Chemical Release Inventory Reporting Package for 1990" (EPA 560/4-91-001), January 1991 (Revised on a yearly basis).**

This package includes the revised Form R and Instructions for calendar year 1990 reporting, Questions and Answers document, common errors in previously reported Form R's, and other helpful appendices.

**"Toxic Chemical Release Inventory Magnetic Media Submission Instructions" (EPA 560/4-91-008), January 1991 (Revised on a yearly basis).**

This document provides specifications for the use of magnetic media to submit EPA Form R. The structural record specifications for each section of Form R are presented. These specifications must be followed exactly for the EPA to accept the magnetic media submission.

**"Common Synonyms for Chemicals Listed Under Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986" (EPA 560/4-91-005), January 1991.**

This glossary is divided into two parts. Part I is a listing by CAS number of each Section 313 toxic chemical, followed by common synonyms for that chemical. Part 2 contains names and synonyms in an alphabetical listing. This glossary enables the trade and common names of a substance to be matched to that substance's CAS number or to other synonyms.

**"Estimating Releases and Waste Treatment Efficiencies for the Toxic Chemical Release Inventory Form" (EPA 560/4-88-002), December 1987.**

This manual provides an overview of the general methods that may be used to estimate releases subject to the reporting requirements. Examples of the application of most of the methods discussed are included. Sources of additional information on release estimation are also provided.

**"Industry Specific Technical Guidance Documents for Estimating Releases," January - July 1988.**

These documents were developed to assist specific industries with completion of Part III (Chemical Specific Information) of the toxic chemical release inventory reporting Form R. The documents include general information on the toxic chemicals used and process wastes generated, along with examples of release estimate calculations.

Monofilament Fiber Manufacture (EPA 560/4-88-004a), January 1988.

Electrodesposition of Organic Coatings (EPA 560/4-88-004c), January 1988.

Semiconductor Manufacture (EPA 560/4-88-004e), January 1988.

Electroplating Operations (EPA 560/4-88-004g), January 1988.

Presswood & Laminated Wood Products Manufacturing (EPA 560/4-88-004i), March 1988.

Roller, Knife and Gravure Coating Operations (EPA 560/4-88-004j), February 1988.

Leather Tanning and Finishing (EPA 560/4-88-004l), February 1988.

Rubber Production and Compounding (EPA 560/4-88-004q), March 1988.

Printing Operations (EPA 560/4-88-004b), January 1988.

Spray Application of Organic Coatings (EPA 560/4-88-004d), January 1988.

Formulation of Aqueous Solutions (EPA 560/4-88-004f), March 1988.

Textile Dyeing (EPA 560/4-88-004h), February 1988.

Paper and Paperboard Production (EPA 560/4-88-004k), February 1988.

Wood Preserving (EPA 560/4-88-004p), February 1988.

**"Section 313 Emergency Planning and Community Right-to-Know Act; Guidance for Food Processors" (EPA 560/4-90-014), June 1990.**

This manual was designed to assist facilities in the food processing industry (SIC Code 20) understand and comply with the requirements under Section 313 of EPCRA. The manual provides a working understanding of the reporting requirements under Section 313 and release estimating techniques that can be used at facilities in the food processing industry.

**"Emergency Planning and Community Right-to-Know Technical Guidance for Releases of Aqueous Solutions of Ammonia Under Section 313," USEPA, OTS, March 1990.**

This document provides guidance on the reporting of aqueous ammonia releases in order to assist facilities in understanding and complying with Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986.

**"Section 313 Reporting: Issue Paper; Clarification and Guidance for the Metal Fabrication Industry," Office of Toxic Substances, U.S. EPA, January 1990.**

This Issue Paper has been prepared to assist the metal fabrication industry to comply with the reporting requirements of Section 313 of SARA Title III. This document includes clarification of the threshold determinations and reporting requirements for metal fabricators and describes in detail the more complex issues involved in Section 313 reporting.

**"Toxics in the Community: National and Local Perspectives" (EPA 560/4-90-017), September 1990.**

This report is a summary and analysis of the 1987 and 1988 Toxic Release Inventory (TRI) data. Included in this report is information on health and environmental effects of certain TRI chemicals, analysis of selected individual facilities, and data from other sources.

**"The Toxics-Release Inventory: A National Perspective" (EPA 560/4-89-005), June 1989.**

A compilation of information on the release of toxic chemicals by manufacturing facilities in 1987. The report summarizes the first year of Toxics Release Inventory data, and analyzes where toxic chemicals are being released, along with the amounts and types of releases.

**"Directory of 1987 Toxics Release Inventory Submitters", USEPA.**

This is a directory of the 1987 Toxics Release Inventory reporting facilities. The tape contains the following information for each reporting facility: facility name and address, the public contact and phone number, SIC code(s), Dunn and Bradstreet number, and TRI Facility Identification Number; also parent company name and parent company Dunn and Bradstreet number.

This magnetic tape is available by written request or by contacting:

National Technical Information Service
5285 Port Royal Rd.
Springfield, VA 22161
703-487-4650
Order number: PB89-186118
$220 at 6250 bpi density (9 track, ASCII or EBCDIC)

**"1987 Toxic Release Inventory".**

A complete listing of facilities and information submitted to the EPA for the first reporting year (1987) of the Toxic Chemical Release Inventory. This information is available in several forms: magnetic tape, CD-ROM, and COMfiche.

The magnetic tape version (including tape documentation) of this information is available by written request or by contacting:

| | | |
|---|---|---|
| National Technical Information Service<br>5285 Port Royal Rd.<br>Springfield, VA 22161<br>703-487-4650<br>Order number: PB89-186068<br>$1770 (ASCII or EBCDIC,1600 bpi)<br>$1250 (ASCII or EBCDIC, 6250 bpi) | or | Superintendent of Documents<br>Government Printing Office<br>North Capitol St.<br>Washington, DC 20402-9325<br>202-275-0186<br>$375 (ASCII, 9 track tape, IBM compatible, 1600 bpi, 3 reels) |

The CD-ROM has the complete National 1987 Toxic Releases Inventory and Hazardous Substance Fact Sheets containing reference material on the health and ecological effects of the regulated substances. The disc comes with CD-ROM retrieval software on 5 1/4", low-density diskette, and the User Guide.

The CD-ROM is available by written request or by contacting:

| | | |
|---|---|---|
| National Technical Information Service<br>5285 Port Royal Rd.<br>Springfield, VA 22161<br>703-487-4650<br>Order number: PB90-502311<br>$45 | or | Superintendent of Documents<br>Government Printing Office<br>North Capitol St.<br>Washington, DC 20402-9325<br>202-783-3238<br>GPO Stock Number:<br>055-000-00356-4<br>$23 |

COMfiche is available in National and State Inventory formats. The National Inventory is the complete 1987 data for the States and U.S. Territories. The State inventory is the complete 1987 data for the specific state or U.S. Territory.

Each set of fiche has three parts. Part 1 is the Introduction and contains the list of regulated chemicals, a directory of EPA and State TRI contacts, a guide to searching the fiche, and other reference material. Part 2 is the Index to: chemical substance names; names of facilities, publicly owned treatment works, and off-site disposal locations; facility city, county and zip code; Standard Industrial Classification codes; and chemicals released to specific environmental media. Part 3 contains the TRI submissions of each State and U.S. Territory.

**"1987 Toxic Release Inventory" (Cont'd).**

The COMfiche is available by written request or by contacting:

Superintendent of Documents
Government Printing Office
710 North Capitol St.
Washington, DC 20402-9325
202-783-3238

| STATE | GPO STOCK NUMBER | PRICE |
|---|---|---|
| National | 055-000-00299-1 | $ 107.00 |
| Alabama | 055-000-00302-5 | $ 8.00 |
| Alaska | 055-000-00303-3 | $ 6.00 |
| American Samoa | 055-000-00353-0 | $ 6.00 |
| Arizona | 055-000-00305-0 | $ 6.50 |
| Arkansas | 055-000-00304-1 | $ 7.00 |
| California | 055-000-00306-8 | $ 13.00 |
| Colorado | 055-000-00307-6 | $ 6.50 |
| Connecticut | 055-000-00308-4 | $ 8.00 |
| Delaware | 055-000-00309-2 | $ 6.00 |
| Florida | 055-000-00310-6 | $ 7.50 |
| Georgia | 055-000-00311-4 | $ 8.50 |
| Hawaii | 055-000-00312-2 | $ 6.00 |
| Idaho | 055-000-00313-1 | $ 6.00 |
| Illinois | 055-000-00314-9 | $ 12.00 |
| Indiana | 055-000-00315-7 | $ 9.00 |
| Iowa | 055-000-00316-5 | $ 7.00 |
| Kansas | 055-000-00317-3 | $ 6.50 |
| Kentucky | 055-000-00316-1 | $ 8.00 |
| Louisiana | 055-000-00319-0 | $ 8.50 |
| Maine | 055-000-00320-3 | $ 6.50 |
| Maryland | 055-000-00321-1 | $ 7.00 |
| Massachusetts | 055-000-00322-0 | $ 8.50 |
| Michigan | 055-000-00323-8 | $ 11.00 |
| Minnesota | 055-000-00324-5 | $ 7.00 |
| Mississippi | 055-000-00325-4 | $ 7.00 |
| Missouri | 055-000-00326-2 | $ 8.50 |
| Montana | 055-000-00327-1 | $ 6.00 |
| Nebraska | 055-000-00328-9 | $ 6.50 |
| Nevada | 055-000-00329-7 | $ 6.00 |
| New Hampshire | 055-000-00330-1 | $ 6.50 |
| New Jersey | 055-000-00331-9 | $ 10.00 |
| New Mexico | 055-000-00332-7 | $ 6.00 |
| New York | 055-000-00333-5 | $ 9.50 |
| North Carolina | 055-000-00334-3 | $ 9.50 |
| North Dakota | 055-000-00335-1 | $ 6.00 |
| Ohio | 055-000-00336-0 | $ 13.00 |
| Oklahoma | 055-000-00337-8 | $ 6.50 |
| Oregon | 055-000-00338-6 | $ 7.00 |

**"1987 Toxic Release Inventory" (Cont'd).**

| STATE | GPO STOCK NUMBER | PRICE |
|---|---|---|
| Pennsylvania | 055-000-00339-4 | $ 11.00 |
| Puerto Rico | 005-000-00340-8 | $ 6.50 |
| Rhode Island | 055-000-00341-6 | $ 6.50 |
| South Carolina | 055-000-00342-4 | $ 8.00 |
| South Dakota | 055-000-00343-2 | $ 6.00 |
| Tennessee | 055-000-00344-1 | $ 8.00 |
| Texas | 055-000-00345-9 | $ 13.00 |
| Utah | 055-000-00346-7 | $ 6.50 |
| Vermont | 055-000-00347-5 | $ 6.00 |
| Virgin Islands | 055-000-00354-8 | $ 6.00 |
| Virginia | 055-000-00348-3 | $ 7.50 |
| Washington | 055-000-00349-1 | $ 7.00 |
| West Virginia | 055-000-00350-5 | $ 7.00 |
| Wisconsin | 055-000-00351-3 | $ 8.50 |
| Wyoming | 055-000-00352-1 | $ 6.00 |

**"1987 Toxic Release Inventory State Data".**

Diskettes containing selected information by State. The following information reported on Form R is included on each State's diskette(s):

- TRI Facility Identification number
- Facility name and address
- Standard Industrial Classification Code
- Parent company name
- Chemical name and Chemical Abstracts Service Registry Number
- Aggregated chemical releases to air, land, underground injection, and water
- Total chemical transfers to disposal locations and publically owned treatment works.

The state files are available in 5 1/4" high density (1.2MB) diskettes compatible with the IBM PC/AT microcomputer, in either dBase III Plus or Lotus 1-2-3 formats.

These diskettes are available by written request or by contacting:

National Technical Information Service
5285 Port Royal Rd.
Springfield, VA 22161
703-487-4650
$50 (single diskette)
$75 (several diskettes)*
$1525 (complete set)

| STATE | LOTUS 1-2-3 ORDER NUMBER | dBase III Plus ORDER NUMBER |
|---|---|---|
| COMPLETE SET | PB89-199541 | PB89-199004 |
| Alabama | PB89-199558 | PB89-199020 |
| Alaska | PB89-199566 | PB89-199012 |
| American Samoa | PB89-199582 | PB89-199038 |
| Arizona | PB89-199590 | PB89-199053 |
| Arkansas | PB89-199574 | PB89-199046 |
| California | PB89-199608* | PB89-199061* |
| Colorado | PB89-199616 | PB89-199079 |
| Connecticut | PB89-199624 | PB89-199087 |
| Delaware | PB89-199632 | PB89-199095 |
| Florida | PB89-199640 | PB89-199103 |
| Georgia | PB89-199657 | PB89-199111 |
| Hawaii | PB89-199665 | PB89-199129 |
| Idaho | PB89-199681 | PB89-199145 |
| Illinois | PB89-199699* | PB89-199152 |
| Indiana | PB89-199707 | PB89-199160 |
| Iowa | PB89-199673 | PB89-199137 |
| Kansas | PB89-199715 | PB89-199178 |
| Kentucky | PB89-199723 | PB89-199186 |
| Louisiana | PB89-199731 | PB89-199194 |
| Maine | PB89-199764 | PB89-199210 |
| Massachusetts | PB89-199749 | PB89-199202 |
| Maryland | PB89-199756 | PB89-199277 |
| Michigan | PB89-199772 | PB89-199228 |
| Minnesota | PB89-199780 | PB89-199236 |
| Mississippi | PB89-199806 | PB89-199251 |
| Missouri | PB89-199798 | PB89-199244 |
| Montana | PB89-199814 | PB89-199269 |
| Nebraska | PB89-199848 | PB89-199301 |
| Nevada | PB89-199889 | PB89-199343 |
| New Hampshire | PB89-199855 | PB89-199319 |
| New Jersey | PB89-199863 | PB89-199327 |
| New Mexico | PB89-199871 | PB89-199335 |
| New York | PB89-199897 | PB89-199350 |
| North Carolina | PB89-199822 | PB89-199285 |
| North Dakota | PB89-199830 | PB89-199293 |
| Ohio | PB89-199905 | PB89-199368* |
| Oklahoma | PB89-199913 | PB89-199376 |
| Oregon | PB89-199921 | PB89-199384 |
| Pennsylvania | PB89-199939* | PB89-199392 |
| Puerto Rico | PB89-199947 | PB89-199400 |
| Rhode Island | PB89-199954 | PB89-199418 |
| South Carolina | PB89-199962 | PB89-199426 |
| South Dakota | PB89-199970* | PB89-199434 |
| Tennessee | PB89-199988 | PB89-199442 |
| Texas | PB89-199996* | PB89-199459* |
| Utah | PB89-200000 | PB89-199467 |
| Vermont | PB89-200034 | PB89-199491 |
| Virgin Islands | PB89-200026 | PB89-199483 |

**"1987 Toxic Release Inventory State Data," (Cont'd).**

| STATE | LOTUS 1-2-3 ORDER NUMBER | dBase III Plus ORDER NUMBER |
|---|---|---|
| Virginia | PB89-200018 | PB89-199475 |
| Washington | PB89-200042 | PB89-199509 |
| West Virginia | PB89-200067 | PB89-199525 |
| Wisconsin | PB89-200059 | PB89-199517 |
| Wyoming | PB89-200075 | PB89-199533 |

**"1988 Toxic Release Inventory".**

This magnetic tape contains the complete listing of facilities and information submitted to the EPA for the second reporting year (1988) of the Toxic Chemical Release Inventory. The 1988 tapes were enhanced with data fields that sum environmental releases and transfers. Also all coded responses are decoded or translated.

This tape (including documentation) is available by written request or by contacting:

National Technical Information Service
5285 Port Royal Rd.
Springfield, VA 22161
703-487-4650
Order number: PB90-502030
$1550 (ASCII or EBCDIC, 9 track tape, 1600 bpi)
$1100 (ASCII or EBCDIC, 9 track tape, 6250 bpi)

or

Superintendent of Documents
Government Printing Office
710 North Capitol St.
Washington, DC 20402-9325
202-783-3238
$ 500 (ASCII, 9 track tape, 1600 bpi, IBM compatible, 4 reels)

**"1988 Toxic Release Inventory State Data".**

Diskettes containing selected information by State. The following information reported on Form R is included on each State's diskette(s):

- TRI facility identification number
- Facility name and address
- Standard Industrial Classification Code
- Parent company name
- Chemical name and Chemical Abstracts Service Registry number
- Aggregated chemical releases to air, land, underground injection, and water
- Total chemical transfers to disposal locations and publicly owned treatment works
- Public contact and phone number
- Latitude/Longitude
- State/county Federal Information Processing Standards code
- Various EPA assigned waste permitting identification numbers.

The state files are available in 5 1/4" high density (1.2MB) diskettes compatible with the IBM PC/AT microcomputer, in either dBase III Plus or Lotus 1-2-3 formats.

These diskettes are available by written request or by contacting:

National Technical Information Service
5285 Port Royal Rd.
Springfield, VA 22161
703-487-4650
$50 (single diskette)
$80 (several diskettes)*
$1830 (all states-dBase)
$1980 (all states-LOTUS)

| STATE | LOTUS 1-2-3 ORDER NUMBER | dBase III Plus ORDER NUMBER |
|---|---|---|
| All States | PB90-504069 | PB90-504051 |
| Alabama | PB90-503491 | PB90-502956 |
| Alaska | PB90-503509 | PB90-502964 |
| American Samoa | PB90-503517 | PB90-502972 |
| Arizona | PB90-503525 | PB90-502980 |
| Arkansas | PB90-503533 | PB90-502998 |
| California | PB90-503541* | PB90-503004* |
| Colorado | PB90-503558 | PB90-503012 |
| Connecticut | PB90-503566 | PB90-503020 |
| Delaware | PB90-503574 | PB90-503038 |
| District of Columbia | PB90-503582 | PB90-503046 |
| Florida | PB90-503590 | PB90-503053 |
| Georgia | PB90-503608* | PB90-503061 |
| Hawaii | PB90-503616 | PB90-503079 |
| Idaho | PB90-503624 | PB90-503087 |
| Illinois | PB90-503632* | PB90-503095* |
| Indiana | PB90-503640* | PB90-503103 |
| Iowa | PB90-503657 | PB90-503111 |
| Kansas | PB90-503665 | PB90-503129 |
| Kentucky | PB90-503673 | PB90-503137 |
| Louisiana | PB90-503681 | PB90-503145 |
| Maine | PB90-503699 | PB90-503152 |
| Maryland | PB90-503707 | PB90-503160 |
| Massachusetts | PB90-503715 | PB90-503178 |
| Michigan | PB90-503723* | PB90-503186* |
| Minnesota | PB90-503731 | PB90-503194 |
| Mississippi | PB90-503756 | PB90-503210 |
| Missouri | PB90-503749 | PB90-503202 |
| Montana | PB90-503764 | PB90-503228 |
| Nebraska | PB90-503772 | PB90-503236 |
| Nevada | PB90-503780 | PB90-503244 |
| New Hampshire | PB90-503798 | PB90-503251 |
| New Jersey | PB90-503806* | PB90-503269 |
| New Mexico | PB90-503814 | PB90-503277 |

**"1988 Toxic Release Inventory State Data" (Cont'd).**

| STATE | LOTUS 1-2-3 ORDER NUMBER | dBase III Plus ORDER NUMBER |
|---|---|---|
| New York | PB90-503822* | PB90-503285 |
| North Carolina | PB90-503830* | PB90-503293 |
| North Dakota | PB90-503848 | PB90-503301 |
| Ohio | PB90-503855* | PB90-503319* |
| Oklahoma | PB90-503863 | PB90-503327 |
| Oregon | PB90-503871 | PB90-503335 |
| Pennsylvania | PB90-503889* | PB90-503343* |
| Puerto Rico | PB90-503897 | PB90-503350 |
| Rhode Island | PB90-503905 | PB90-503368 |
| South Carolina | PB90-503913 | PB90-503376 |
| South Dakota | PB90-503921 | PB90-503384 |
| Tennessee | PB90-503939 | PB90-503392 |
| Texas | PB90-503947* | PB90-503400* |
| Utah | PB90-503954 | PB90-503418 |
| Vermont | PB90-503962 | PB90-503426 |
| Virginia | PB90-503970 | PB90-503434 |
| Virgin Islands | PB90-503988 | PB90-503442 |
| Washington | PB90-503996 | PB90-503459 |
| West Virginia | PB90-504002 | PB90-503467 |
| Wisconsin | PB90-504010* | PB90-503475 |
| Wyoming | PB90-504028 | PB90-503483 |

These diskettes containing the same information are also available from the Government Printing Office. The 5 1/4 or 3 1/2 inch disks, which are available in high or low density and are in ASCII format, are for use on personal computers. Documentation is included. The disks are available in either dBASE III Plus or LOTUS 1-2-3 (version 2.1) and are priced as follows (prices are based on $15/disk for the 5 1/4 inch size and $21/disk for the 3 1/2 inch size):

| dBASE III PLUS | 5 1/4" | 3 1/2" |
|---|---|---|
| National Set (60 Disks) | $900 | $1,260 |
| State Sets (1-4 disks) | $15-$60 | $21-$84 |
| **LOTUS 1-2-3** | | |
| National Set (74 disks) | $1000 | $1554 |
| State Sets (1-4 disks) | $15-$60 | $21-84 |

(Ordering information on next page.)

These disks are available by written request or by contacting:

Superintendent of Documents
U.S. Government Printing Office
Attention: Electronic Products Sales Coordinator
P.O. Box 37082
Washington, D.C. 20013-7082
202-275-0186

When ordering these diskettes, please be aware that a more recent version of the data may be available.

**"1989 Toxic Release Inventory".**

This magnetic tape contains the complete listing of facilities and information submitted to the EPA for the third reporting year (1989) of the Toxic Chemical Release Inventory. The 1989 tapes were enhanced with data fields that sum environmental releases and transfers. Also all coded responses are decoded or translated.

This tape (including documentation) is available by written request or by contacting:

Superintendent of Documents
Government Printing Office
710 North Capitol Street
Washington, DC 20402-9325
202-275-0186
$500 (ASCII, 9 track tape,
1600 bpi, IBM compatible,
4 reels)

**"Toxic Chemical Release Inventory Directory of Public Libraries," US EPA, February 1990.**

This directory lists the public libraries in States and territories which have received copies of the 1987 Toxic Release Inventory on microfiche.

The directory is available by written request or by contacting:

National Technical Information Service
5285 Port Royal Rd.
Springfield, VA 22161
703-487-4650
Order Number: PB90263120/AS
$23 (Paper); $8 (Microfiche)

**"Form R: A Better Understanding," U.S. EPA, 1990.**

This one hour and fifteen minute video was developed by EPA Region 3. The video contains three major parts; Part 1 presents a detailed analysis of Section 313 of SARA, Part 2 is a walk through explanation of the Form R; and in Part 3 of the video an expert briefly describes techniques for estimating toxic chemical emissions.

This video is available by written request or by contacting:
National Technical Information Service
5285 Port Royal Rd.
Springfield, VA 22161
703-487-4650
Order number: PB90-780446
$35

## TRADE SECRECY PROVISIONS

**"Trade Secrecy Claims for Emergency Planning and Community Right-to-Know Information; and Trade Secret Disclosures to Health Professionals;" Final Rule; 53 FR 28772 (July 29, 1988).**

The final rule containing the procedures for claims of trade secrecy, for EPA's handling of such claims, for submission and handling of petitions requesting reviews of trade secrecy claims and for disclosure to health professionals of information claimed as trade secret. This Federal Register contains the substantiation form and instructions.

## PREVENTION RESOURCES

**"Review of Emergency Systems: Final Report to Congress" (OSWER-305B), June 1988.**

This document details the approach, findings and recommendations of the EPA's review of emergency systems as required under Section 305(b) of SARA Title III. This report documents the surveys, evaluations, site visits and expert panels which contributed to the Review.

**"Why Accidents Occur: Insights from the Accidental Release Information Program" (Technical Assistance Bulletin 8) (OSWER-89-008.1), U.S. EPA, July 1989.**

This bulletin focuses on the causes of accidents from the information collected under the Accidental Release Information Program. The purpose of the bulletin is to present insights taken from the program to Local Emergency Planning Committees to help in communications with local facilities.

**"Chemical Accident Prevention, Smaller Operations: Focus Group Findings" December 1990 (In Press).**

This report describes a pilot project conducted for EPA to determine what kind of information smaller operations need concerning chemical accident prevention and chemical process safety management. In addition, the focus groups examined incentives that would encourage smaller enterprises to institute prevention practices. The report reflects the views of owners and managers of smaller businesses that manufacture, store, distribute, or use hazardous chemicals in any other ways in their operations.

**"Clean Air Act Amendments".**

The Clean Air Act Amendments of 1990 include provisions for Prevention of Accidental Releases under Title III Section 112b-(r). These provisions build upon EPA's existing initiatives to reduce the number and severity of chemical accidents and are a logical extension of SARA Title III. The accidental release provisions include:

- a general duty clause requiring owners and operators of fixed facilities to identify hazards, to design and maintain a safe facility, and to minimize the consequences of accidental releases
- a requirement for EPA to adopt "reasonable regulations and appropriate guidance" for the prevention and detection of accidental releases.
- a list of at least 100 chemicals, with reporting thresholds, that will determine which facilities are covered by the regulations
- risk management plans prepared by facilities as part of the regulations, which must include a hazard assessment, prevention program, and emergency response program
- establishment of an independent Chemical Safety and Hazard Investigation Board
- a study on potential effects of hydrofluoric acid and its uses and recommendations for the reduction of its hazards
- research program on hazard assessments and research on non-regulatory strategies for preventing, detecting, and monitoring accidental releases.
- promulgation by OSHA of a standard for process safety management in the workplace

Copies of these provisions of the statute are available from the Hotline.

**"Guidance Manual for EPA Chemical Safety Audit Team Members", December 1990.**

This document provides guidance to the US EPA Regional Offices on implementing the EPA Chemical Safety Audit Program. It provides information on the purpose and intent of the audit program and scope of activities associated with conducting audits. It is also a useful document for industry and state and local organizations to gain a better understanding of program scope and intent and of how this program can benefit ongoing activities in the area of chemical process safety management and accident prevention.

**"Accidental Release Information Program Implementation Guide", June 1990.**

This document provides guidance to U.S. EPA Regional Offices on the implementation of the Accidental Release Information Program (ARIP). The purpose and specific responsibilities of the various participants in the program are detailed in this guidebook to assist in the collection of accidental release information and to promote the use of the collected information. It is also a useful document for industry, state, and local organizations to gain a better understanding of the program scope and intent.

(With OMB approval of a revised program, this document will be shortly updated).

## ENFORCEMENT OF TITLE III

**"When All Else Fails! Enforcement of the Emergency Planning and Community Right-to-Know Act" (OSWER 89010), September 1989.**

This 12 page pamphlet is a self-help manual for Local Emergency Planning Committees. The pamphlet contains information on State and local authorities to request information from facilities and provides tips to help Local Emergency Planning Committees ensure that facilities covered by SARA Title III are complying with the law. The material presented outlines the enforcement authorities granted to citizens, local governments, States, and EPA.

**"Superfund Programs; Regulations Governing Citizens Suits;" Proposed Rule; 54 FR 3918 (January 26, 1989).**

This Federal Register is proposed in order to prescribe the manner in which notice of citizens suits is to be provided as required by Section 310 of CERCLA and Section 326 of SARA Title III. The rule prescribes the manner of service of the notice, contents of the notice, and the timing of the notice.

# RISK COMMUNICATION AND COMMUNITY AWARENESS RESOURCES

**"Explaining Environmental Risk," USEPA, November 1986.**

This document provides tips on communicating environmental risks to both the media and the general public in an effective and understandable way. The booklet was written by Peter Sandman, a noted expert on risk communication.

**"Seven Cardinal Rules of Risk Communication," USEPA, April 1988.**

This brochure provides guidelines which should be used to adequately communicate risk.

**"Report of a Conference on Risk Communication and Environmental Management" (Technical Assistance Bulletin 4), U.S. EPA, May 1988.**

This bulletin contains a summary of the presentations presented at a risk communication and environmental management conference at Temple University. The bulletin presents opinions and judgement from the "experts" in the field and do not necessarily reflect EPA policy.

**"Risk Communication About Chemicals In Your Community: A Manual For Local Officials" (EPA 230/09-89-066), EPA/FEMA/DOT/ATSDR.**

This workshop manual will help local officials learn how to respond to public questions about chemical risks. The manual also contains additional assistance and information about hazardous materials.

A facilitator's manual and guide is also available.

**"Chemical Releases and Chemical Risks: A Citizen's Guide to Risk Screening" (EPA 560/2-89-003), September 1989.**

This pamphlet describes risk screening, a tool that government agencies use to identify the chemical releases that may require further investigation. It also explains how citizens can find answers to questions they may have about releases of toxic chemicals in their community.

**"Risk Assessment, Management, Communication: A Guide to Selected Sources," U.S. EPA, 1987-1989.**

This bibliography includes many journal articles and some monographs on risk assessment, management, and communication, and includes a section on "Informing the Public".

This document is available by written request to:
National Technical Information Service
5285 Port Royal Rd.
Springfield, VA 22161
703-487-4650

| Document | Order Number |
|---|---|
| Guide | PB87-185500 |
| 1st Update | PB87-203402/AS |
| 2nd Update | PB88-100102 |
| 3rd Update | PB88-128178 |
| Volume 2, N. 1 | PB88-210596 |
| Volume 2, N. 2 | PB89-189641 |

**"Toxic Chemical Release Inventory Risk Screening Guide" (EPA 560/2-89-002), July 1989.**

The purpose of this two volume guide is to describe some of the challenges raised by the toxic chemical release inventory data and to suggest ways of approaching them. The guide suggests steps that can be taken to answer two key issues of concern, namely: 1.) setting risk based priorities for followup investigation of TRI facilities and chemicals within geographic areas of interest, and 2.) identifying data needs and approaches for collecting information necessary to respond to health and ecological questions from the public. The guide was written for those involved in interpreting and explaining environmental pollution, exposures, and health risks to the general public, especially at the local or sub-State level.

This document is available by written request or by contacting:

National Technical Information Service
5285 Port Royal Rd.
Springfield, VA 22161
703-487-4650
Order Number: Volumes 1 and 2: PB90-122128/AS
Paper copy: $39.00, microfiche: $11.00

**"Hazardous Substances in Our Environment: A Citizens' Guide to Understanding Health Risks and Reducing Exposure" (EPA 230/09-90-081), September 1990.**

This citizen's guide explains how risk is estimated and what is being done or what can be done to reduce risk. Sources of information are also included. (125 pages)

This document is available by written request from:

Public Information Center
PM-211-B
US Environmental Protection Agency
401 M Street, SW
Washington, DC 20460

**"Understanding Environmental Health Risks and Reducing Exposure: Highlights of a Citizens' Guide" (EPA/230-09-90-082).**

This brochure introduces the above guide, summarizes information about understanding community risk, and includes ordering information for the above citizens' guide. This brochure is also available from the EPA Public Information Center, as listed above.

**"Public Knowledge and Perceptions of Chemical Risks in Six Communities: Analysis of a Baseline Survey" (EPA 230-01-90-074), January 1990.**

This study, conducted by Georgetown University Medical Center for EPA, examines citizens' attitudes about chemicals and chemical risk in the community.

This document is available by request from:

National Technical Information Service
5285 Port Royal Road
Springfield, VA 22161
(703) 487-4650
Order Number: PB90-217316/AS Paper copy: $23
Microfiche: $8

**"Chemical Advisories," U.S. EPA, 1984-1986.**

This series of fact sheets warns manufacturers, employees, and homeowners of the hazards of the following substances: 2-nitropropane; used motor oil (in English and Spanish); nitrosamines; p-tert-Butyl benzoic acid; 4,4'-methylene bis(2-chloroaniline); toluenediamines; and used oil burned in space heaters.

Source:
U.S. Environmental Protection Agency
Office of Toxic Substances (TS-799)
401 M St., SW
Washington, DC 20460
202-554-1404

## WASTE MINIMIZATION RESOURCES

Waste minimization or reduction means reducing waste at its source, before it is generated. The following publication promotes waste reduction as a general policy.

**"Waste Minimization Opportunity Assessment Manual" (EPA 625/7-88/003), July 1988.**

This manual describes the recommended procedure for identifying waste minimization applications.

This manual is available by written request to:
ORD Publications Office
Center for Environmental Research Information
26 West Martin Luther King Dr.
Cincinnati, OH 45268

# DATABASES

## CAMEO (Computer-Aided Management of Emergency Operations)

This is a software package designed to provide State and local managers with a tool to manage information about hazardous materials in or near their communities, and to help first responders and emergency teams plan for the safe handling of chemical accidents. CAMEO was developed by the EPA and NOAA and is available in Macintosh and DOS versions. CAMEO can be of great assistance to LEPCs and SERCs in implementing Title III. CAMEO's programs, which can be used independently or jointly as one system, have four principal components: a chemical database, a data management system, an air plume model, and a mapping program. The database contains over 3000 chemicals and includes chemical-specific information from commonly-used sources, addressing fire and explosion hazards, firefighting techniques, first aid, health effects, and spill cleanup procedures. CAMEO is a tool for managing information collected in planning for responding to a chemical emergency. The user can enter information submitted under Title III to assist in developing emergency plans. CAMEO can also be used to retrieve information in response to requests. CAMEO also contains a mapping program that makes use of the Bureau of the Census' Tiger files. Maps of the local area can be entered or loaded from digitized map files and can be customized. CAMEO's air plume disperson model is a tool for estimating the movement and spread of a chemical released to the atmosphere.

This system is available by contacting:

Environmental Health Center
National Safety Council
1050 17th Street, NW
Washington, DC 20006
202-293-2270

## "TOXLINE", National Library of Medicine.

Available online through a modem connection or in a medical library, this database provides citations, and often abstracts for journal articles and monographs. Topics are human and animal toxicity studies, effects of environmental chemicals and pollutants, and adverse drug reactions.

For information:
National Library of Medicine
MEDLARS Management Section
8600 Rockville Pike
Bethesda, MD 20894
800-638-8480

**"TOXNET", National Library of Medicine.**

Also available online, this collection of databases contains technical information on hazardous substances and research results on potential carcinogens. In addition, the 1987 and 1988 Toxic Release Inventory database is available on this online service.

For information:
National Library of Medicine
Specialized Information Services Division
8600 Rockville Pike
Bethesda, MD 20894
800-638-8480

**"Hazardous Materials Information Exchange (HMIX)," U.S. DOT and FEMA.**

HMIX is a clearinghouse designed to provide Federal, State, local and private-sector organizations with a means of sharing information about prevention of, preparation for, and mitigation of hazardous material emergencies.

For information contact:
Research and Special Programs Administration
Office of Hazardous Materials Transportation
U.S. Department of Transportation
Federal, State and Private-Sector Initiatives Division
400 Seventh St., SW
DHM-52, Room 8434
Washington, DC 20590
202-366-4900

## TOXIC RELEASE INVENTORY ANALYSIS RESOURCES

**"Toxic Dump" U.S. EPA.**

IBM-Compatible PC Software used to convert TRI data (in ASCII format) downloaded from NLM's TOXNET system into dBASE compatible files. The software can also load data from EPA state diskettes. The conversion module of the software is stand-alone, a second module can be used with dBASE III+ or compatible software to produce reports.

**"ROADMAPS TO SOURCES OF INFORMATION ON CHEMICALS LISTED IN THE EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT; SECTION 313 (FOR MICROCOMPUTERS)", U.S. EPA, July 14, 1989.**

The ROADMAPS database is a PC-based index to information sources within and outside EPA and contains information on chemical toxicity and major regulations related to the SARA Section 313 chemicals. (5 1/4 inch diskettes, double density, 360k, IBM compatible, dBASE III clipper compiler format.)

This database is available through written request or by contacting:

National Technical Information Service
5285 Port Royal Rd.
Springfield, VA 22161
(703) 487-4650
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# APPENDIX

## A Partial Listing of FEDERAL REGISTER Notices on Title III of SARA.

| DATE | CITE | SUBJECT |
|---|---|---|
| April 22, 1987 | 52 FR 13378 | Extremely Hazardous Substances List and Threshold Planning Quantities; Emergency Planning and Release Notification Requirements; Final Rule. |
| October 15, 1987 | 52 FR 38344 | Emergency and Hazardous Chemical Inventory Forms and Community Right-to-Know Reporting Requirements; Final Rule. |
| December 17, 1987 | 52 FR 48072 | Extremely Hazardous Substances List; Final Rule. |
| February 16, 1988 | 53 FR 4500 | Toxic Chemical Release Reporting; Community Right-to-Know; Final Rule. |
| February 25, 1988 | 53 FR 5574 | Extremely Hazardous Substances List; Final Rule. |
| July 29, 1988 | 53 FR 28772 | Trade Secrecy Claims for Emergency Planning and Community Right-to-Know Information; and Trade Secret Disclosures to Health Professionals; Final Rule. |
| January 23, 1989 | 54 FR 3388 | Designation of Extremely Hazardous Substances as CERCLA Hazardous Substances; Proposed Rule. |
| January 26, 1989 | 54 FR 3918 | Superfund Programs; Regulations Governing Citizen Suits; Proposed Rules. |

**A Partial Listing of FEDERAL REGISTER Notices on Title III of SARA, (Cont'd).**

| DATE | CITE | SUBJECT |
|---|---|---|
| March 29, 1989 | 54 FR 12992 | Emergency and Hazardous Chemical Inventory Forms and Community Right-to-Know Reporting Requirements; Implementation of Reporting Requirements for Indian Lands; Proposed Rule. |
| August 14, 1989 | 54 FR 33418 | Reportable Quantity Adjustments; Delisting of Ammonium Thiosulfate; Final Rules. |
| October 12, 1989 | 54 FR 41904 | Community Right-to-Know Reporting Requirements; Interim Final Rule and Supplemental Notice to Proposed Rule. |
| February 15, 1990 | 55 FR 5544 | Extremely Hazardous Substances List; Final Rule. |
| July 24, 1990 | 55 FR 30166 | Reporting Continuous Releases of Hazardous Substances; Final Rule. |
| July 26, 1990 | 55 FR 30632 | Community Right-to-Know Reporting Requirements; Final Rule. |
| August 27, 1990 | 55 FR 35012 | EHS List; Availability of Documents for Flammables and Explosives. |

## Applicable Code of Federal Regulations Sections

40 CFR 355 - Section 301 - 304 Reporting Requirements and List of Extremely Hazardous Substances with Threshold Planning Quantities.

40 CFR 370 - Sections 311 - 312 Reporting Requirements.

40 CFR 372 - Section 313 Reporting Requirements.

40 CFR 350 - Sections 322 - 323 Reporting Requirements and Disclosure Provisions.

40 CFR 300 - National Oil and Hazardous Substances Pollution Contingency Plan.

40 CFR 302 - CERCLA Reporting Requirements and Applicable Reportable Quantities.