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Environmental Protection
Agency

Office of Emergency and
Remedial Response
Washington, DC 20460

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Superfund



Catalog of Superfund Program Publications



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Office of Emergency and Remedial Response
U.S. Environmental Protection Agency
Washington, DC 20460

Notice

This document has been reviewed in accordance with U.S. Environmental Protection Agency policy and approved for publication. Mention of trade names or commercial products does not constitute endorsement or recommendation for use. This catalog may be obtained free of charge from the EPA's Public Information Center (PIC), the Center for Environmental Research Information (CERI), the Superfund Docket and Information Center (SDIC), and the National Technical Information Service (NTIS).

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1

HOW THE SUPERFUND PROGRAM WORKS

Superfund: A Rational Response to Our Hazardous Waste Law

Superfund is the nation's environmental program for cleaning up abandoned and uncontrolled hazardous waste sites. Such sites are extremely diverse. Many are municipal or industrial landfills. Others are manufacturing plants where operators improperly disposed of wastes. Some are large Federal facilities dotted with "hot spots" of contamination from various high-tech or military activities. Spills, accidents, and leaking underground storage tanks are other types of sites. Most hazardous wastes come from our manufacturing sector; common contaminants include heavy metals like lead and mercury, solvents and degreasers, pesticides and herbicides, polychlorinated biphenyls (PCBs), and wood preservers.

The law dictates that Superfund monies can be used only for two main purposes:

- To address emergency threats to human health and the environment.
- To conduct long-term cleanup at the worst sites in the country.

A complex ranking system identifies the worst sites and places them on the National Priorities List (NPL), which currently comprises 1,246* sites.

To satisfy the law's requirements, EPA organized its cleanup effort into three programmatic divisions. Emergency cleanup work, which EPA calls "Removal," is performed by one. "Remedial" work, or long-term cleanup at the worst sites, is done by another. And because

*The 1,246 sites consist of 1,218 sites either on the final National Priorities List or proposed for it, and 28 sites that have been formally "deleted" from the NPL because the cleanup action has been completed and its effectiveness verified.

someone must decide which sites are truly the worst, evaluation and ranking is undertaken by the "Pre-Remedial" division. "Removal" activities can be performed at any site that needs them, but "Remedial" actions occur only at the sites on the National Priorities List. The process a site undergoes from initial discovery through final Superfund cleanup is illustrated schematically at the end of this section.

Division of Labor in the Superfund Program

The Removal Program

Superfund emergency workers respond immediately to any site considered to pose an imminent threat to human health and the

WHAT IS THE SUPERFUND?

In 1980, Congress passed the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), commonly called "Superfund." The Superfund Amendments and Reauthorization Act (SARA) was passed by Congress in 1986 to update and improve CERCLA. The law authorizes the Federal government to respond directly to releases, or threatened releases, of hazardous substances that may endanger public health, welfare, or the environment. Legal actions can be taken to force the parties responsible for causing the contamination to clean up those sites or reimburse the Superfund for the costs of cleanup. If responsible parties cannot be found or are unwilling or unable to clean up a site, EPA can use monies from the Superfund to accomplish the cleanup. The Superfund is actually a trust fund. CERCLA established a 5-year, \$1.6-billion fund made up of taxes on crude oil and certain commercially produced chemicals. SARA extended authority for another 5 years, and increased the funds to \$8.5 billion. These additional monies are made available to the Superfund directly from excise taxes on petroleum and feedstock chemicals, a tax on certain imported chemical derivatives, an environmental tax on corporations, appropriations made by Congress from general tax revenues, and any monies recovered or collected from parties responsible for site contamination.

environment. EPA manages a large cadre of cleanup experts who can be mobilized quickly when the need arises. The Agency's On-Scene Coordinator (OSC) supervises these resources at the site. "Removal" workers stabilize, prevent, or temper the effects of a hazardous release, or the threat of one. Sample situations might include a tire fire or a transportation accident involving the spill of hazardous chemicals. Removal professionals may also advise State and local officials on the need for an alternative water supply, treatment of contaminated soils, a waterproof cap to constrain wastes, or relocation of residents.

"Planned" removals are also undertaken at sites that don't qualify as emergencies, but nonetheless present a threat that must be dealt with in a timely way. This type of removal may also occur during long-term cleanup. For example, routine groundbreaking work in an unrelated construction activity may reveal a layer of unsuspected hazardous waste drums.

The Pre-Remedial Program

EPA's Pre-Remedial program applies a systematic approach to determining how hazardous a site is. Upon discovery, the site is logged into the Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS), Superfund's computerized inventory. It then undergoes studies, the Preliminary

Assessment and the Site Inspection, that escalate in intensity. If the threat is found to be negligible at an early stage, it is assigned to a "No Further Action" category, but remains in the computer inventory for reference.

A site that looks serious moves on to the next phase of scrutiny. The most threatening sites are ranked using EPA's Hazard Ranking System (HRS). The most serious are then placed on the National Priorities List. Naturally, if an emergency is uncovered at any step in this process, the Removal program tackles it immediately.

The Remedial Program

Once a site attains the NPL, a definitive set of steps move it toward ultimate cleanup. Private industry and State government play large roles in the conduct of cleanup activities, but EPA always approves remedies and supervises the work. Indeed, each site has its own Remedial Project Manager (RPM) and, where necessary, its own On-Scene Coordinator (OSC) for emergency cleanup needs. Both are EPA professionals. Public outreach mechanisms encourage citizens to comment and participate at each step in the process.

An NPL site first undergoes an intensive site investigation, called the Remedial Investigation. This "RI" determines the nature and extent of contamination at the site. Much more detailed and comprehensive than the initial site inspection, it involves extensive sampling and laboratory analysis. Waste types, site geology and hydrology, and specific health and environmental risks are examined.

THE HAZARD RANKING SYSTEM

Information collected during the site inspection is used to identify the sites posing the most serious threats to human health and the environment. This way EPA can meet the requirement that Congress gave it to use Superfund monies only on the worst hazardous waste sites in the Nation.

To identify the most serious sites, a comparison is made between the potential risk posed by one site and the potential risks of other discovered sites. This comparison is made by using the Hazard Ranking System (HRS) to evaluate the results of the site inspection. The HRS measures how contamination at a site could affect people or the environment. A site's "score" is based on whether hazardous wastes have spread through the groundwater, surface water, soil, and air, and if these wastes have the potential to spread in the future. Only sites with high enough health and environmental risk scores are proposed to be added to EPA's National Priorities List. The most serious of these become a part of the "final" NPL.

The Feasibility Study (FS) is conducted next. This study analyzes cleanup options and recommends one. EPA studies site findings and selects a cleanup remedy, which it officially documents in a legally binding Record of Decision (ROD) for the site. This ROD clearly sets forth the work's cleanup goals (e.g., cubic yards of soil to be removed, water standards to be met).

Next, engineers design whatever construction is required to carry out the remedy; this is called the Remedial Design phase. Construction ranges from containment structures to drainage wells, to clay caps over the wastes, to ground water extraction systems. Once cleanup activities and construction are under way, the site has entered the Remedial Action phase.

No matter how exhaustive preliminary studies may be, sampling and site observation are unable to reveal the full extent of the problem at many sites. Uncertainties exist right up until the point where ground is broken for the cleanup work, and surprises can occur throughout remedial action. Thus there is no ready answer to the question, "How long will it take?" On average—and this includes a broad range—6 to 8 years will elapse between the start of the cleanup study and completion of the remedy.

The cleaned-up site is ultimately deleted from the NPL, but this does not take place until the remedy's effectiveness has been clearly proven. Often years of monitoring, operation, and maintenance are needed to satisfy these concerns.

Superfund Information: A Broad Spectrum

The Superfund program generates a wide range of information on hazardous waste cleanup processes and procedures. It ranges from policy directives to guidance documents to detailed technology evaluations. Audiences for these materials may be program staff, cleanup personnel, computer experts, technical researchers, and the general public.

This catalog organizes Superfund documents into four main categories:

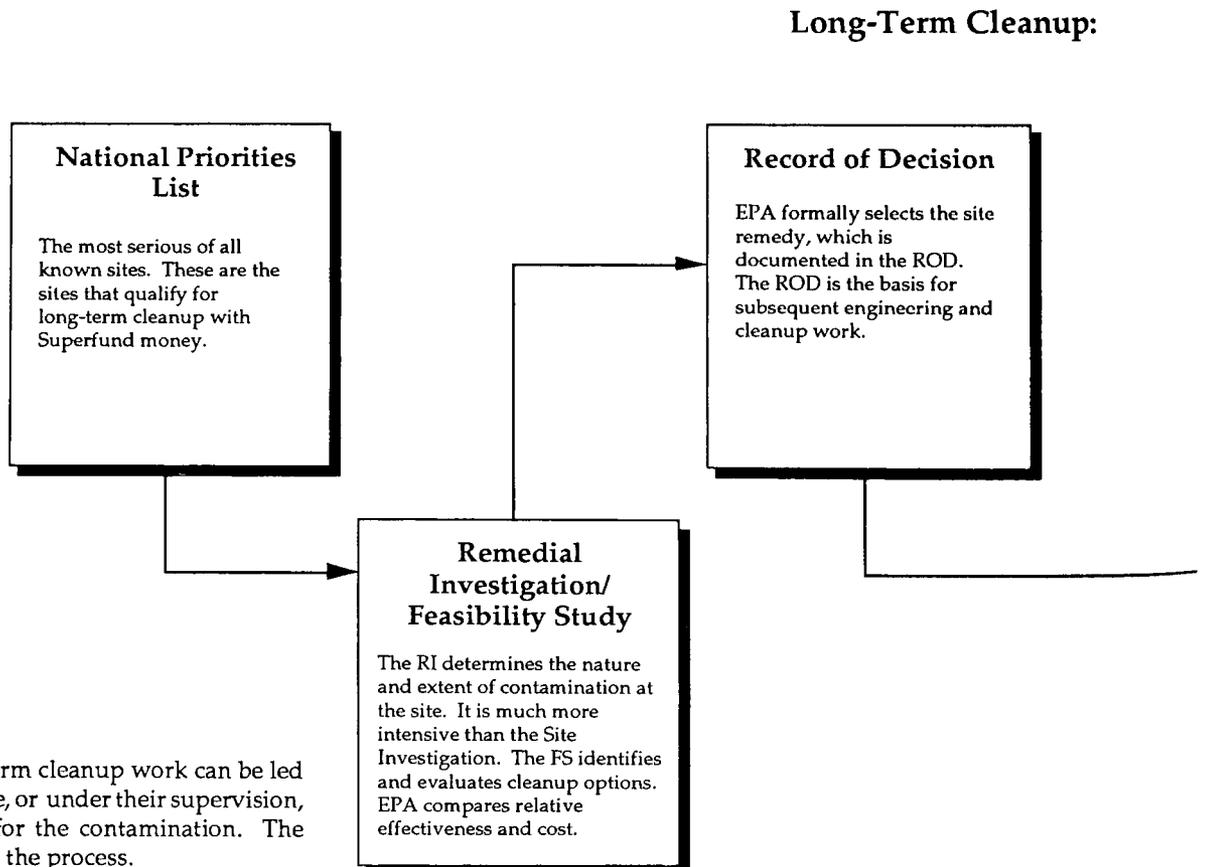
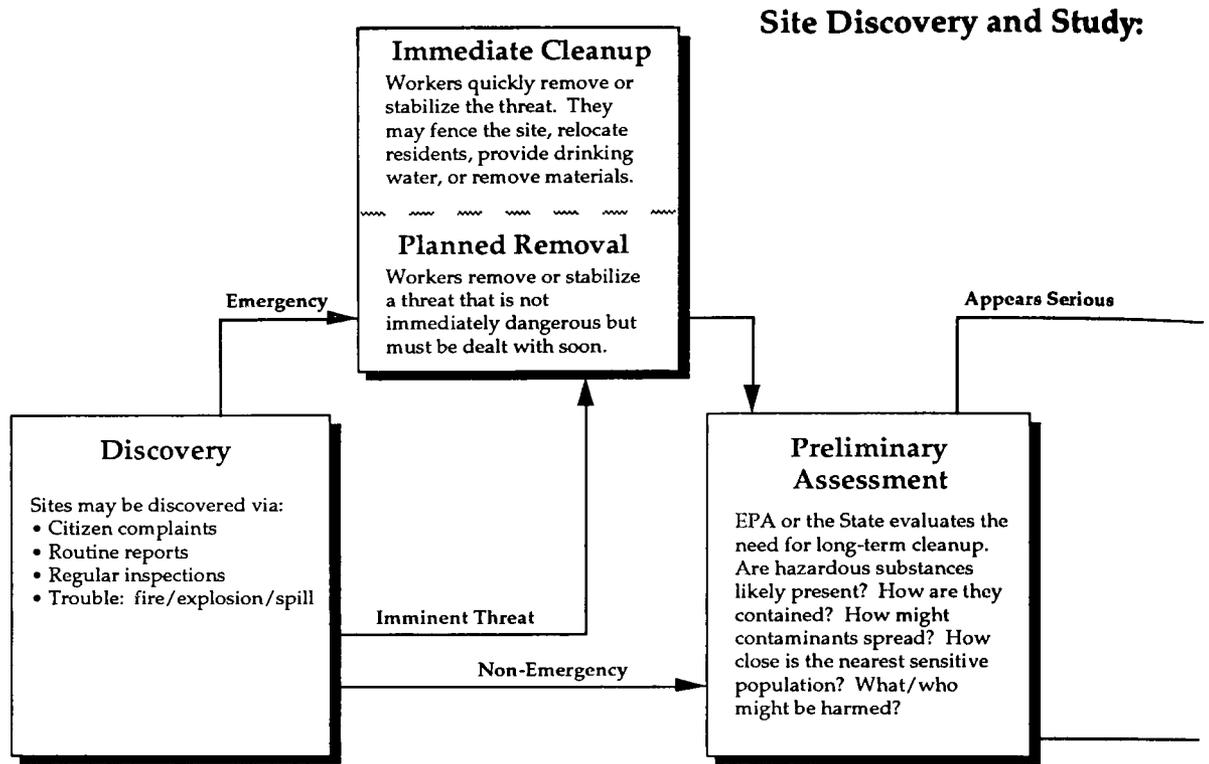
1. **QUICK-REFERENCE FACT SHEETS**—These brief documents summarize hazardous waste issues, technology, and technical documents.
2. **DIRECTIVES**—These provide policy direction usually in memoranda form (e.g., practical methods for carrying out hazardous waste regulations) to EPA Regional managers.
3. **PUBLICATIONS**—This category runs the gamut from general public brochures to user manuals, annual reports, study summaries, guidance documents, responses to directives, and technology documents. The last category is substantial and includes both scientific studies (e.g., on health effects) and pragmatic descriptions of site cleanup techniques, both tried and experimental.

4. **COMPUTER MATERIALS**—These include computer software and documentation.

Not all of the documents catalogued here come directly from the Removal, Remedial, and Pre-Remedial divisions. Many of the technology documents are developed by EPA's Office of Research and Development, with technical input and underwriting provided by Superfund offices. Superfund's Office of Program Management offers a range of program and policy documents, as well as self-analytical reports on hazardous waste progress and problems. Finally, there are overarching documents produced by the Office of Emergency and Remedial Response, the umbrella office for the Superfund divisions.

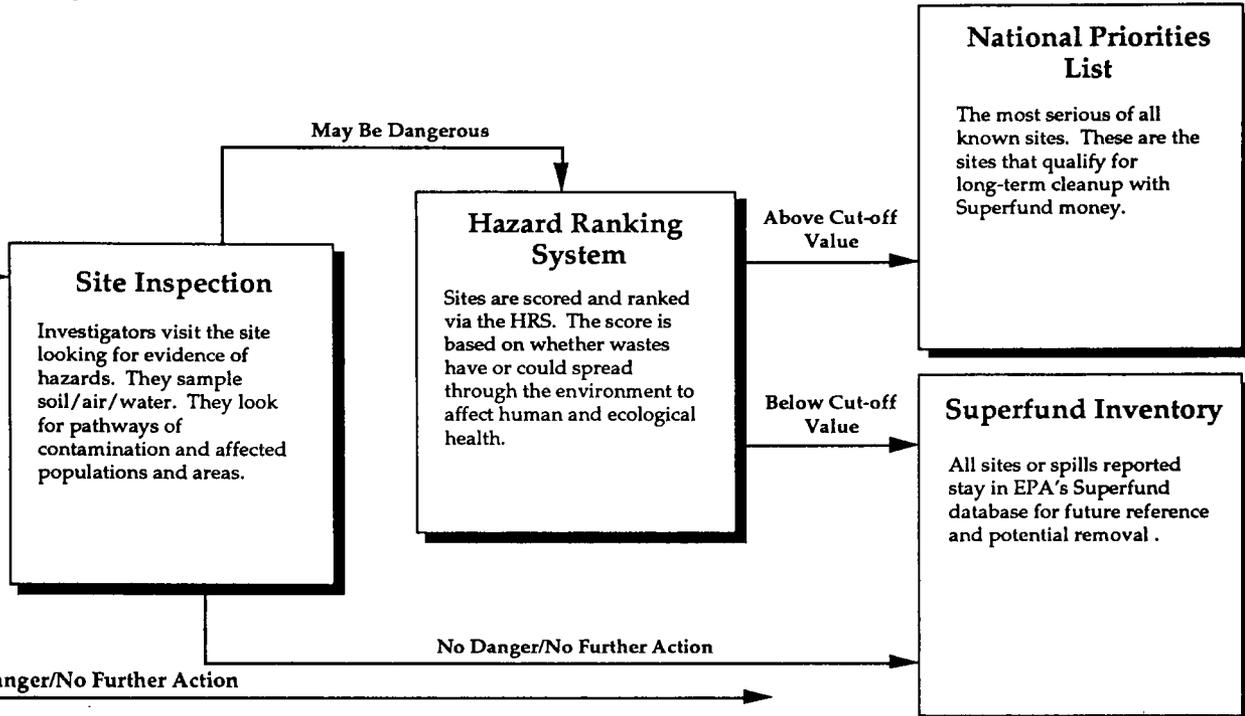
This catalog contains an abstract of each Superfund document, and provides indexes designed to help both general readers and program experts to locate what interests them. The section that follows describes how to use this catalog most effectively.

Superfund Tackles Hazardous Waste Emergencies and the Nation's Most Serious Sites

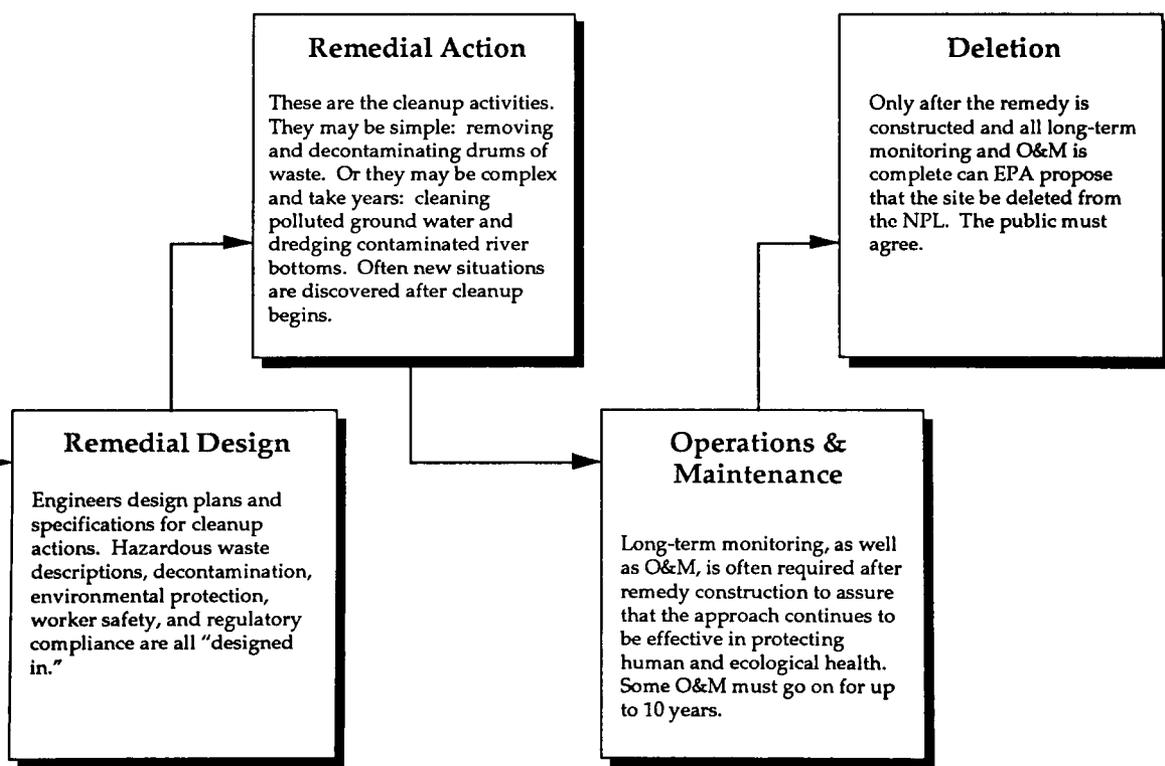


Both emergency and long-term cleanup work can be led by EPA or an individual State, or under their supervision, by the parties responsible for the contamination. The public has input throughout the process.

Finding the Most Serious Sites



Fixing the Most Serious Sites



2

HOW TO USE THIS CATALOG

The tools in this catalog have been carefully crafted to serve a variety of users, both expert and non-expert. A reader may locate a specific document even if he or she has only a fragment of information: a title, a publication number, a program office name, or simply a subject category. These tools are described in the following paragraphs.

FOR SUPERFUND NEWCOMERS

This catalog has been written to assist its many users who are not Superfund "insiders." Wherever possible, catalogers have substituted English for program jargon and acronyms. Non-expert users seeking information on particular topics will find the Subject Index most helpful. It illustrates the types of information Superfund documents contain. Those looking for specific titles or documents from particular offices will find the Abstracts carefully organized to facilitate such a search. The Numeric Index arranges documents by publication number. This how-to section describes each catalog tool in further detail.

The Subject Index

The backbone of the catalog is the Subject Index, which covers a wide range of Superfund topics. Each entry is accompanied by one or more page numbers on which an abstract dealing with that topic can be found. A scan of the page will quickly pinpoint the abstract.

The Abstracts

The Abstracts appear as Section 3.

For the convenience of users with considerable Superfund expertise, the abstracts have been organized into seven categories:

1. Removal
2. Pre-Remedial
3. Remedial
4. Technology
5. Program Management
6. Superfund Academy, and
7. Computer Materials.

Documents are listed alphabetically within each category. Thus, a knowledgeable user seeking a particular document could use the Abstracts alone as a locator tool by making an educated guess about the category in which the document is likely to appear.

FOR SUPERFUND EXPERTS

Users with plenty of Superfund experience are likely to be seeking specific documents or program information. The summaries in the Abstracts are organized under seven categories, several of which are programmatic. An expert user can comb the Abstracts easily by determining which category the desired document is in, and then scanning that section. Document titles are arranged in alphabetical order within each category. In addition, the Numeric Index arranges documents by publication number.

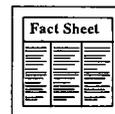
The Numeric Index

This index organizes Superfund documents in numeric order. All entries contain an NTIS order number, which is to be used in ordering documents. Most EPA publications are given Agency or office control numbers. There are two main sets, the 540 series and the 9000 series:

Each abstract contains:

- The document's title;
 - An icon showing the type of document;
 - The publication date;
 - The number of pages;
 - The NTIS order number;
 - A brief summary of the document's contents; and
 - The document's EPA number(s).
- The 540 series is generally applied to Agency publications printed in quantity. A sample number is EPA/540/G-89/003.
 - The 9000 series has been assigned to the Office of Solid Waste and Emergency Response, Superfund's parent office, for coding its policy directives.

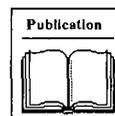
Icon Guide



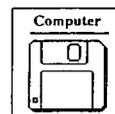
Fact Sheet



Directive

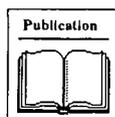


Publication



Computer Material

Abstract Guide



Icon

Title

The Emergency Response Notification System

Publication Date

August 1989

7 pages

Number of Pages

Order Number

Order No. PB90-249715

EPA Control Number(s) (9000 and/or 540 series)

Provides general information for the public on the Emergency Response Notification System, the national computer database and retrieval system that is used to store information on releases of oil and hazardous substances.

Summary

EPA/9360.0-21

However, the Superfund office assigns a 9200-9399 series number to all documents for internal management purposes. A sample number is: EPA/9234.01.

In addition, every abstract contains an NTIS order number (beginning with PB-), which is to be used in ordering documents. The very few documents with no EPA numbers are listed in the Numeric Index by order number.

Ordering Documents

See Section 4 for ordering instructions and an order form.

3

ABSTRACTS

Removal



Accelerated Response at NPL Sites Guidance

December 15, 1989 *19 pages*
Order No.: PB90-258302

Provides EPA guidance on addressing immediate threats at National Priorities List (NPL) sites. This document is Superfund Management Review Recommendation No. 22.
EPA/9200.2-02

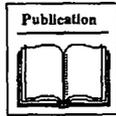


Emergency Response Cleanup Services Contracts (ERCS)

October 1987 *210 pages*
Order No.: PB90-191966

Provides information to help those authorized to use ERCS contracts to deploy them more efficiently and effectively. Included are EPA Headquarters and Regional personnel, as well as staff from other Federal agencies (e.g., U.S. Coast Guard). In addition, the users' manual discusses coordinating the use of the ERCS

contracts with other entities involved with the Superfund program.
EPA/9242.2-01B



The Emergency Response Notification System

August 1989 *7 pages*
Order No.: PB90-249715

Provides general information for the public on the Emergency Response Notification System, the national computer data base and retrieval system that is used to store information on releases of oil and hazardous substances.
EPA/9360.0-21



Final Guidance on Implementation of the "Consistency" Exemption to the Statutory Limits on Removal Actions

June 12, 1989 *8 pages*
Order No.: PB90-27446

Provides final guidance to EPA Regions on the implementation of the SARA \$2 million/12-month statutory limits on removal actions and the exemption from the statutory limits for "actions otherwise appropriate and consistent with the remedial action to be taken" (consistency exemption).
EPA/9360.0-12A



Guidance for Conducting Federal-Lead Underground Storage Tank Corrective Actions

July 25, 1989 *73 pages*
Order No.: PB90-273913

Supersedes the interim guidance issued June 4, 1987, on procedures for conducting Federal-lead corrective actions for petroleum leaks from underground storage tanks.
EPA/9360.0-16A



Guidance on Non-NPL Removal Actions Involving Nationally Significant or Precedent-Setting Issues

March 3, 1989 *12 pages*
Order No.: PB90-273921

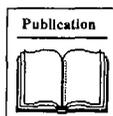
Provides guidance for identifying non-NPL removal actions that may be nationally significant or precedent-setting and establishes procedures for requesting Headquarters concurrence. Outlines procedural requirements for five categories of removals which are of special interest from a national perspective, but which are not subject to Headquarters concurrence requirement for nationally significant or precedent-setting removals.
EPA/9360.0-19



Guidelines for the Cleanup of Clandestine Drug Laboratories

June 2, 1989 *45 pages*
Order No.: PB90-272709

Provides guidelines proposed by the Joint Task Force on illegal/ clandestine drug laboratories to assist State and Local law enforcement and health agencies develop a framework for cleaning up clandestine drug laboratories. The guidelines contain an overview of recommended enforcement procedures, as well as safety guidelines and cleanup strategies.
EPA/540/P-90/005
EPA/9360.5-00

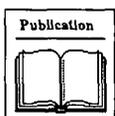


HAZMAT Team Planning Guidance

September 1990 *65 pages*
Order No.: PB90-274523

Outlines important factors to consider when planning a HAZMAT Team, including funding requirements for alternative ways to develop appropriate hazardous material responses, and HAZMAT Team training and medical surveillance required by the final

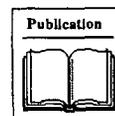
OSHA and EPA worker protection standards (29 CFR 1910.120 and 40 CFR 311) as published on March 6, 1989, and June 23, 1989, respectively. This guidance will assist State and local governments in determining their HAZMAT response requirements, in estimating the costs associated with HAZMAT Team development, and in developing emergency response plans and standard operating procedures.
EPA/540/G-90/003
EPA/9285.3-05



Health and Safety Audit Guidelines: SARA Title I, Section 126

December 1989 *109 pages*
Order No.: PB90-204157

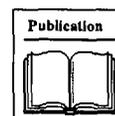
Provides step-by-step guidance for assessing preliminary evaluations, health and safety plans (HASP), and off-site emergency response programs required under the Occupational Safety and Health Administration (OSHA) and EPA worker protection standards. The Guidelines address two major components of the OSHA/EPA worker protection standards: (1) health and safety provisions at uncontrolled hazardous waste sites and, (2) off-site emergency response.
EPA/540/G-89/010
EPA/9285.8-02



National On-Scene Coordinator Directory

November 1989 *81 pages*
Order No.: PB90-249509

Developed as a handy reference guide to simplify communications and to promote the transfer of technical expertise among On-Scene Coordinators (OSCs). In addition to names and telephone numbers of OSCs, the directory contains Regional and Headquarters addresses, facsimile and E-mail numbers; TAT, ERCS, ERNS, and preparedness contacts; and a telephone information hotline listing. The directory also contains a comprehensive "specialty area" index that can be a useful reference for contacting OSCs or others who have extensive experience in a particular response situation or specialized area.
EPA/9200.5-120



Quality Assurance/Quality Control Guidance for Removal Activities: Sampling QA/QC Plan and Data Validation Procedures (Interim Final)

April 1990 *66 pages*
Order No.: PB90-274481

Provides guidance for establishing, implementing, and using Quality Assurance/Quality Control (QA/

QC) protocols in data collection activities performed under the Removal program. Also provides guidance for reviewing laboratory data packages according to the QA/QC protocols.
EPA/540/G-90/004
EPA/9360.4-01



Reimbursement to Local Governments for Emergency Response to Hazardous Substance Releases

November 1989 *5 pages*
Order No.: PB90-274234

Provides a summary of requirements and procedures set forth in Section 123 of SARA, the 1986 Superfund amendments. This law authorizes the EPA to reimburse local governments for expenses incurred when carrying out temporary emergency measures in response to hazardous substance threats.

EPA/9225.3-01FS



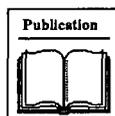
Removal Cost Management Manual

April 1988 *205 pages*
Order No.: PB90-153891

Offers a comprehensive cost management procedure for use by EPA staff at removal actions authorized under CERCLA, the original Superfund law. The document is written for On-Scene

Coordinators or other on site personnel the OSC may designate to perform cost management activities at a Superfund removal site.

EPA/9360.0-02B

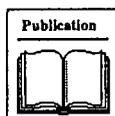


Standard Operating Safety Guides

July 5, 1988 *137 pages*
Order No.: PB90-249590

Describes current Occupational Safety and Health Administration (OSHA) regulations as they apply to hazardous waste workers involved in incident response. This edition updates the November 1984 edition of Standard Operating Safety Guides.

EPA/9285.1-01C

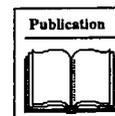


A Study of Joint Use of Vehicles for Transportation of Hazardous and Nonhazardous Materials (Report to Congress)

April 1987 *116 pages*
Order No.: PB87-215349

Presents a joint study by EPA and DOT to assess and examine risks and problems associated with transporting hazardous and nonhazardous materials in the same vehicle.

EPA/540/1-87/001
EPA/9360.6-01



Superfund Emergency Response Actions: A Summary of Federally-Funded Removals Volume 1

May 1987 *196 pages*
Order No.: PB90-197310

Volume 2
June 1988 *110 pages*
Order No.: PB90-197328

Volume 3
June 1989 *121 pages*
Order No.: PB90-214354

Summarizes short-term actions (removals) undertaken by EPA and the U.S. Coast Guard in response to hazardous substance incidents. The documents present an historical perspective of the program and summarize removals completed during the five-year authorized funding period of CERCLA (December 11, 1980, through September 30, 1985). Actions taken between October 1, 1985, and September 30, 1986, that were funded primarily by two special appropriations from Congress are also summarized. These are the first documents published that collect short-term response information for all six years.
EPA/9360.6-02 (Volume 1)
EPA/9360.6-03 (Volume 2)
EPA/9360.6-04 (Volume 3)

3

Removal



Superfund Removal Procedures: Action Memorandum Guidance

September 1990 65 pages
Order No.: PB90-274473

Provides guidance for preparing an Action Memorandum, which is a concise written record of the decisions made in selecting removal actions, and the primary decision document used to select and authorize such actions. This document is the first volume of a ten-volume series of guidance documents collectively titled "Superfund Removal Procedures." These stand-alone volumes update and replace OSWER Directive 9360.0-03B, the single-volume "Superfund Removal Procedures" manual issued in February 1988.
EPA/9360.3-01



Superfund Removal Procedures: Revision Number Three

February 1988 318 pages
Order No.: PB90-192055

Gives EPA response officials uniform, Agency-wide guidance on removal actions. Also included are National Contingency Plan

definitions relevant to the program, removal policies as determined by OERR, and step-by-step directions for preparation and approval of documentation.

EPA/9360.0-03B



Use of Expanded Removal Authority to Address NPL and Proposed NPL Sites

February 7, 1987 5 pages
Order No.: PB90-273905

Directs EPA Regions to evaluate NPL and proposed NPL sites to determine if the expanded removal authority in SARA can be used to totally, or substantially clean up these sites.

EPA/9360.0-14



Use of Removal Approaches to Speed Up Remedial Action Projects

July 7, 1989 8 pages
Order No.: PB90-274382

Defines the basic requirements to be met when a Region chooses to use removal authorities and contracting methods to speed up remedial projects on National Priorities List (NPL) sites where surface cleanups may result in a total site cleanup or completion of a major portion of the site.

EPA/9355.0-25A

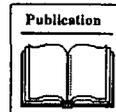
Pre-Remedial



Decentralization of Superfund Bottle Repository Functions

September 1, 1989 43 pages
Order No.: PB90-249558

Provides guidance for decentralizing from OERR to the Regions and their support contractors the acquisition of Superfund sampling bottles. Reiterates and expands on information previously provided to the Environmental Services Division personnel responsible for bottle acquisition.
EPA/9240.0-05



Environmental Asbestos Assessment Manual; Superfund Method for the Determination of Asbestos in Ambient Air, Part 1: Method (Interim Version)

May 1990 121 pages
Order No.: PB90-274283

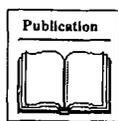
Environmental Asbestos Assessment Manual; Superfund Method for the Determination of Asbestos in Ambient Air, Part 2: Technical Background

Document (Interim Version)

May 1990 106 pages
Order No.: PB90-274291

Provides a sampling and analysis method for the determination of asbestos in the air to provide results suitable for supporting risk assessment at Superfund sites. Part 1 presents the method to be used. Part 2 presents the technical background and considerations addressed during the development of this method.

EPA/540/2-90/005a (Part 1)
EPA/9285.5-02-1 (Part 1)
EPA/540/2-90/005b (Part 2)
EPA/9285.5-02-2 (Part 2)

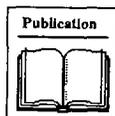


Expanded Site Inspection: Guidance for FY-88

October 1987 76 pages
Order No.: PB90-183377

Serves as a consolidated ready reference of general methodologies and activities for conducting site inspection work on sites projected for the NPL. Compiled with substantial input from pre-remedial staff in EPA Regions, the manual contains procedures that have been used successfully in carrying out EPA site investigation work nationwide. Progress toward establishing more standardized and efficient evaluation methods is discussed. The guidance is applicable for FY-88 and will be superseded when final guidance is issued on conducting site inspections.

EPA/9345.1-02

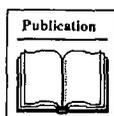


Field Screening Methods Catalog

August 1988 44 pages
Order No.: PB89-134159

Assists the user in identifying field screening methods applicable to specific site characteristics.

EPA/540/2-88/005
EPA/9380.0-08

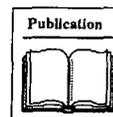


Field Test of the Proposed Revised Hazard Ranking System (HRS)

May 1990 137 pages
Order No.: PB90-222746

Discusses the findings and issues brought to light when proposed revisions to the Hazard Ranking System (HRS) were field tested. Guided by prescribed rules, the HRS assigns numerical values to factors characterizing the potential of any given release to cause harm to public health or the environment. The system is used to assess relative risks from hazardous waste sites.

EPA/540/P-90/001
EPA/9320.7-00

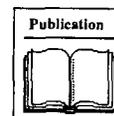


Guidelines for Effective Management of the Contract Laboratory Program, Part 1: Contract Award. Part 2: Contract Administration

November 1989 346 pages
Order No.: PB90-191545

Provides internal guidelines for Superfund Project Officers in procuring, administrating, and managing CLP contracts.

EPA/9240.0-04-1
EPA/9240.0-04-2



Health Effects Assessment Summary Tables Fourth Quarter FY-89

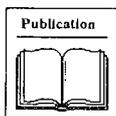
October 1989 1 page
Order No.: PB90-921100

Serves as an excellent pointer system to identify current literature about changes in assessment criteria for many chemicals of interest to Superfund. Prepared for Superfund use by the Environmental Criteria and Assessment Office in EPA's Office of Health and Environmental Assessment, the document covers chemicals featured in ECAO's Health Effects Assessment

3 Pre- Remedial

Documents or Air Quality Criteria Documents. The document also treats those radionuclides believed to be most common at Superfund sites. Tables summarize reference doses (RfD's) for toxicity from subchronic and chronic inhalation and from oral exposure, slope factors and unit risk values for carcinogenicity based on lifetime inhalation and oral exposure, and radionuclide carcinogenicity. This document is on a standing order and is updated quarterly. It retains the same order number for each issue.

EPA/9200.5-303



Impacts of CERCLA Release Notification Requirements on Transportation of Products Containing Hazardous Substances

August 1986 211 pages
Order No.: PB87-110870

Published jointly with the U.S. Department of Transportation, this document reports the results of interviews with hazardous waste shippers and carriers on the regulatory burden imposed by CERCLA release-notification requirements. Eight shippers and seven carriers were quizzed on volumes and types of shipments, staffing, training, paperwork, insurance, and related costs. DOT-TSC-RSPA-85-2



Listing Municipal Landfills on the National Priorities List

August 21, 1987 7 pages
Order No.: PB90-249608

Outlines procedures for listing municipal landfills qualifying as Superfund sites on the NPL. EPA/9320.1-09



Notification of Hazardous Waste Sites Required Under Section 103 (c) of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) of 1980

March 1982 3180 pages
(in 10 Volumes)

Order No.: PB82-213984

Region I

March 1982 170 pages
Order No.: PB82-213992

Region II

March 1982 311 pages
Order No.: PB82-214008

Region III

March 1982 367 pages
Order No.: PB82-214016

Region IV

March 1982 474 pages
Order No.: PB82-214024

Region V

March 1982 719 pages
Order No.: PB82-214032

Region VI

March 1982 379 pages
Order No.: PB82-214040

Region VII

March 1982 211 pages
Order No.: PB82-214057

Region VIII

March 1982 123 pages
Order No.: PB82-214065

Region IX

March 1982 284 pages
Order No.: PB82-214073

Region X

March 1982 142 pages
Order No.: PB82-214081

Comprises, in accordance with CERCLA mandate, a total listing of 8,755 notifications of hazardous waste sites across EPA's 10 Regions. Section 103(c) of the original Superfund law (CERCLA of 1980, PL 96-510) identifies those who must notify EPA of the existence of sites where hazardous wastes from industries, businesses, government, hospitals, and other sources are stored, treated, or disposed. Each notification must summarize the location, the persons required to notify, the amount and type of any hazardous waste found on the site reported, and any known or suspected releases of hazardous wastes.



Preliminary Assessment Petition

November 1988 *7 pages*
Order No.: PB90-273723

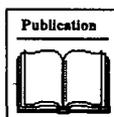
Provides public information on the Preliminary Assessment (PA) petition process, defines a PA, and describes the procedures for submitting a PA. A sample petition format and EPA Regional addresses and phone numbers are also provided.
EPA/9200.5-301FS



Risk Assessment Guidance for Superfund, Volume I: Human Health Evaluation Manual, Part A

April 1990 *9 pages*
Order No.: PB90-273830

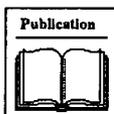
Designed to alert RPMs and other personnel to new aspects of the Human Health Evaluation Manual, the purpose and steps of the baseline risk assessment, and where additional help can be obtained.
EPA/9285.7-01/FS



Risk Assessment Guidance for Superfund, Volume I: Human Health Evaluation Manual, Part A

December 1989 *246 pages*
Order No.: PB90-155581

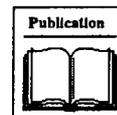
Assists RPMs and OSCs in managing environmental and public health risk assessment at Superfund sites. This interim final manual, when used with Volume II, "Environmental Evaluation Manual," replaces the Public Health Evaluation Manual issued in 1986.
EPA/540/1-89/002
EPA/9285.7-01B



Risk Assessment Guidance for Superfund, Volume II: Environmental Evaluation Manual

March 1989 *57 pages*
Order No.: PB90-155599

Assists RPMs and OSCs in managing environmental and public health risk assessment at Superfund sites. This interim final manual, when used with Volume I, "Human Health Evaluation Manual," replaces the Public Health Evaluation Manual issued in 1986.
EPA/540/1-89/001
EPA/9285.7-01A



SI/HRS Information Bulletin

April 1989 *14 pages*
Order No.: PB90-258310

Informs Superfund pre-remedial personnel of possible data collection changes caused by the proposed revisions to the Hazard Ranking System (HRS). This document helps Regional staff who perform pre-remedial roles, staff in State offices functioning under cooperative agreements, staff in other Federal agencies, and those in contractor firms who perform data collection activities during the interim period between proposal and promulgation of the revised HRS.
EPA/9200.5-302

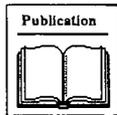


Superfund Analytical Data Review and Oversight

August 18, 1988 *7 pages*
Order No.: PB90-249541

Outlines procedures and responsibilities related to review and oversight of Superfund analytical data.
EPA/9240.0-03

3 Pre-Remedial



Superfund Exposure Assessment Manual

April 1988

166 pages

Order No.: PB90-135859

Provides RPMs with the guidance necessary to conduct exposure assessments that meet the needs of the Superfund human health risk evaluation process. Includes an overall description of the integrated exposure assessment process as applied to uncontrolled hazardous waste sites; and serves as a source of reference concerning the use of estimation procedures and computer modeling techniques for the analysis of uncontrolled sites.
EPA/540/1-88/001
EPA/9285.5-01



Update to the "Procedures for Completion and Deletion of National Priorities List Sites" Guidance Document Regarding the Performance of Five-Year Reviews

December 29, 1989

51 pages

Order No.: PB90-274556

Incorporates into the "Procedures for Completion and Deletion of National Priorities List Sites"

guidance document (OSWER directive 9320.2-03A), EPA's policy to conduct at least one five-year review prior to deleting sites from the National Priorities List.
EPA/9320.2-03B



User's Guide to Contract Laboratory Program

December 1988

255 pages

Order No.: PB90-186396

Describes an organic and inorganic analytical program and outlines Contract Laboratory Program (CLP) protocols that became a part of CLP analysis contracts in 1987 (inorganic) and 1988 (organic). Contains critical information for CLP samplers and user groups in EPA and the States.
EPA/540/8-89/012
EPA/9240.0-01B

Remedial



Advancing the Use of Treatment Technologies for Superfund Remedies

February 21, 1989

10 pages

Order No.: PB90-272659

Reaffirms the use of treatment technologies at Superfund sites and summarizes guidance documents and activities that encourage and support the use of innovative treatment technologies.
EPA/9355.0-26



An Analysis of State Superfund Programs: 50-State Study

September 1989

225 pages

Order No.: PB90-272733

Examines site cleanup capabilities in all 50 States and provides descriptions of statutes, program organization, findings, and cleanup procedures. Also provides "snapshots" of state cleanup programs.
EPA/540/8-89/011
EPA/9375.6-08

EPA employees may order documents by calling: FTS-475-8864



**Analysis of Treatability Data
for Soil and Debris:
Evaluation of Land Ban
Impact on Use of Superfund
Treatment Technologies**

November 30, 1989 *25 pages*
Order No.: PB90-258476

Summarizes the effectiveness of treatment technologies for contaminated soil and debris and provides support for decisions by the Regions to use treatability variances for complying with the RCRA Land Ban Disposal Restrictions.
EPA/9380.3-04



**Audits and the Superfund
Program Manager**

January 1990 *4 pages*
Order No.: PB90-272717

Describes why audits of all parties to Cooperative Agreements and Superfund State Contracts (SSCs) are good business practices and how audits help EPA protect the financial integrity of Superfund response agreements.
EPA/9375.5-04/FS



summarize the basic considerations necessary to determine when, where, and how pump-and-treat technology can be used effectively to remediate ground water contamination.
EPA/600/8-90/003
EPA/9380.7-01

**CERCLA Off-Site Policy:
Eligibility of Facilities in
Assessment Monitoring**

July 28, 1986 *5 pages*
Order No.: PB90-249632

Clarifies application of the CERCLA off-site policy to RCRA commercial facilities in assessment monitoring.
EPA/9330.2-06



**ARCS Construction Contract
Modification Procedures**

September 1989 *9 pages*
Order No.: PB90-274515

Describes the contracting relationships, technical reviews, and administrative procedures required to process supplemental agreements and change orders for changed work in Remedial Action construction projects which are subcontracts under EPA's ARCS contracts.
EPA/9355.5-01/FS



**Basics of Pump and Treat
Ground Water Remediation
Technology**

September 1990 *150 pages*
Order No.: PB90-274549

First published in the summer of 1990 by the Robert S. Kerr Environmental Research Laboratory, USEPA, Ada, Oklahoma, it has been reissued for this catalog as a Superfund publication. This definitive document is considered by Superfund program management to be required reading for all project managers involved in pump and treat remediation activities at Superfund sites. Recent research has identified complex chemical and physical interactions between contaminants and subsurface media which may impose limitations on the extraction part of the process. This report was developed to



**CERCLA Off-Site Policy:
Providing Notice to Facilities**

May 12, 1986 *8 pages*
Order No.: PB90-249624

Describes how to give notice to commercial treatment, storage, and disposal facilities that they are deemed ineligible to receive CERCLA response wastes. Outlines procedures facilities should use to write comments

about the application of the policy to the conditions alleged at their facility.

EPA/9330.2-05



CERCLA Site Discharges to POTWs: Guidance Manual

September 1990 275 pages

Order No.: PB90-274531

Presents the results of an extensive joint study conducted by the Office of Water's Industrial Technology Division and the Superfund Program to determine the effects of CERCLA hazardous waste discharges on publicly owned treatment works (POTWs). An extensive background document with accompanying software will be published in December and will be available in early FY-91 exclusively from the National Technical Information Service. The primary document will be of interest to operators of publicly owned treatment plants who may be required to make decisions whether or not to accept hazardous wastes from Superfund sites. The subsequent documents provide the hard data on which decisions can be made.

EPA/540/G-90/005

EPA/9330.2-09



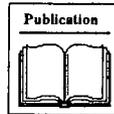
CERCLA Waste Capacity Assurance

August 1990 5 pages

Order No.: PB90-274507

Discusses waste capacity assurance, which is one of the five assurances required of a state by CERCLA before the hazardous waste trust fund (Superfund) can be used for a remedial action. This fact sheet describes the statutory goals associated with the waste capacity assurance, the Capacity Assurance Plan (CAP), and additional sources of information.

EPA/9375.5-09/FS



Community Relations In Superfund: A Handbook (Interim Guidance)

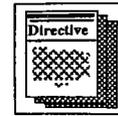
June 1988 190 pages

Order No.: PB89-180830

Provides policy requirements for coordinating activities at Superfund sites and additional techniques and guidance that can be used to supplement and enhance a basic community relations program. This handbook, which contains new material and revisions to reflect SARA amendments and EPA policies issued since 1983, applies to all response actions conducted under CERCLA, whether performed by EPA, other Federal agencies, or State governments.

EPA/540/G-88/002

EPA/9230.0-03B



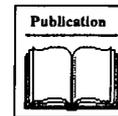
Community Relations: Use of Senior Environmental Employees in Superfund (Superfund Management Review: Recommendation 43.K,L)

August 31, 1990 6 pages

Order No.: PB90-273749

Describes the use of Senior Environmental Employees in the Superfund program and offers guidance on their future use.

EPA/9230.0-09



A Compendium of Superfund Field Operations

December 1, 1987 644 pages

Order No.: PB88-181557

Contains a consolidated reference to all remedial field procedures to ensure consistency among the 10 EPA regions. This collection may be used by RPMs, Quality Assurance Officers, and State and Regional field staffs.

EPA/540/P-87/001

EPA/9355.0-14



Control of Air Emissions From Superfund Air Strippers at Superfund Ground Water Sites

June 15, 1989

8 pages

Order No.: PB90-272667

Establishes guidance on control of air emissions from air strippers used at Superfund sites for ground water treatment. This joint memorandum from OERR, and Air Quality Planning and Standards establishes implementation procedures.

EPA/9355.0-28



Criminal Investigations and the Superfund Program

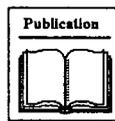
September 1990

5 pages

Order No.: PB90-274499

Directed toward anyone who witnesses fraudulent activity in EPA programs, this fact sheet discusses areas in which fraud and abuse can occur and provides an understanding of the criminal investigation process that results from reports of suspicious activity.

EPA/9375.5-08/FS



Data Quality Objectives for Remedial Response Activities: Development Process (Volume 1)

March 1987

144 pages

Order No.: PB88-131370

Data Quality Objectives for Remedial Response Activities: Example Scenario: RI/FS Activities at a Site with Contaminated Soils and Ground Water (Volume 2)

March 1987

152 pages

Order No.: PB88-131388

Data Quality Objectives for Remedial Response Activities: Volumes 1 & 2

March 1987

296 pages

Order No.: PB90-272634

Provides guidance for developing data quality objectives for site-specific Remedial Investigation/Feasibility Study activities. The documents specify the qualitative and quantitative standards required to support Remedial Investigation/Feasibility Study activities. They also set forth a formal approach to the development of data quality objectives in the sampling/analytical plan, with the purpose of improving the quality and cost-effectiveness of data collection and analysis.

EPA/540/G-87/003 (Volume 1)

EPA/540/G-87/004 (Volume 2)

EPA/9355.0-07B (Volumes 1 and 2)



Debarment and Suspension

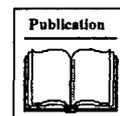
Fall 1989

6 pages

Order No.: PB90-272527

Defines debarment and suspension, and describes causes and procedures, and authorities for pursuing them. Requirements of the Drug-Free Workplace Act also are discussed in this fact sheet.

EPA/9200.5-208/FS



Directory of EPA/State Contacts by Specialty

February 1990

73 pages

Order No.: PB90-249749

This directory lists personnel who provide legal, administrative, and financial expertise in support of CERCLA nationwide.

EPA/540/8-90/002

EPA/9375.6-01



Discharge of Wastewater from CERCLA Sites into Publicly Owned Treatment Works (POTWs)

April 15, 1986 *8 pages*
Order No.: PB90-249616

Discusses technical and policy concerns related to the discharge of wastewater from CERCLA emergency removals and remedial actions to POTWs. Sets forth proposed criteria and affirms EPA's intent to develop policy on the use and selection of POTWs for CERCLA wastewater.
EPA/9330.2-04

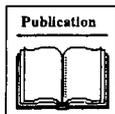


EPA/U.S. Army Corps of Engineers Payment Process, Direct Site/Revised Reimbursement Methods

May 1990 *7 pages*
Order No.: PB90-273897

Outlines new procedures for the disbursement of funds to the U.S. Army Corps of Engineers (USACE) under EPA-led Superfund projects. The document describes procedures for the direct site payment process for new projects, the revised reimbursement

payment process for USACE in-house costs, and the revised reimbursement payment process for existing projects.
EPA/9355.5-14FS



Evaluation of Ground Water Extraction Remedies, Volume 1: Summary Report

September 1989 *65 pages*
Order No.: PB90-183583

Evaluation of Ground Water Extraction Remedies, Volume 2: Case Studies 1-19 (Interim Final)

October 1989 *557 pages*
Order No.: PB90-274440

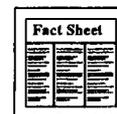
Evaluation of Ground Water Extraction Remedies, Volume 3: General Site Data, Data Base Reports (Interim Final)

October 1989 *121 pages*
Order No.: PB90-274457

Provides information assembled from hazardous waste sites throughout the United States showing how ground water extraction systems are being used, how their performance compares with expectations, and what factors are affecting their success. Volume 1 summarizes the general conclusions and observations of the study. It describes the methodology of the study, the factors that influence the effectiveness of ground water extraction systems, and the data

requirements for the design of extraction systems. Volume 2 presents 19 case studies of individual sites, presents site characteristics, and discusses factors that have influenced the success of remedial activities. Volume 3 presents general information on the location, geologic setting, contamination, and administrative status of each site.

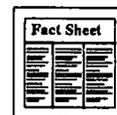
EPA/540/2-89/054 (Volume 1)
EPA/9355.4-03 (Volume 1)
EPA/540/2-89/054b (Volume 2)
EPA/9355.4-03 (Volume 2)
EPA/540/2-89/054c (Volume 3)
EPA/9355.4-03 (Volume 3)



Expediting Remedial Construction

October 1989 *9 pages*
Order No.: PB90-272683

Examines activities to be considered in Remedial Management Strategies to accelerate remedial construction.
EPA/9355.5-02/FS



The Feasibility Study: Detailed Analysis of Remedial Action Alternatives

March 1990 *6 pages*
Order No.: PB90-272675

Describes, as the fourth and final document in a series, the Remedial

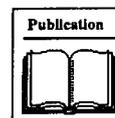
Investigation/Feasibility Study (RI/FS). This fact sheet summarizes Chapter 6 of "Guidance for Conducting Remedial Investigations and Feasibility Studies Under CERCLA." Also provides Remedial Project Managers with information on how to manage this phase of the Feasibility Study efficiently and effectively.
EPA/ 9355.3-01FS4



Getting Ready: Scoping the RI/FS

November 1989 *9 pages*
Order No.: PB90-274390

Summarizes Chapter 2 of "Guidance for Conducting Remedial Investigations and Feasibility Studies Under CERCLA." This fact sheet also explains how to manage the scoping phase of the RI/FS process.
EPA/9355.3-01FS1



Guidance on Cleanup of Surface Impoundment Sites

July 17, 1986 *46 pages*
Order No.: PB87-110664

Provides guidance to Federal, State, and local officials planning and implementing remedial actions at NPL sites with one or more surface impoundments containing hazardous wastes. A systematic approach to performing remedial actions and limited remedial investigations or feasibility studies in a relatively short time period is provided, as well as the names of private firms who perform such activities.

EPA/9380.0-06



The Feasibility Study: Development and Screening of Remedial Action Alternatives

November 1989 *7 pages*
Order No.: PB90-274416

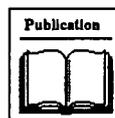
Summarizes Chapter 4 of the "Interim Final Guidance for Conducting Remedial Investigations and Feasibility Studies Under CERCLA" which discusses the development and screening of alternatives for Remedial Action. Also provides information to assist the Remedial Project Manager in managing this portion of the Feasibility Study efficiently and effectively.
EPA/9355.3-01FS3



Guidance for Conducting Remedial Investigations and Feasibility Studies (RI/FS) Under CERCLA

October 1988 *195 pages*
Order No.: PB89-184626

Describes general procedures for conducting Remedial Investigations and Feasibility Studies and provides an overall understanding of the process. Intended for personnel responsible for conducting an RI/FS, this revises EPA's "Guidance on Remedial Investigation Under CERCLA" (May 1985), and "Guidelines on Feasibility Studies Under CERCLA" (June 1985).
EPA/540/G-89/004
EPA/9355.3-01



Guidance on Cleanup of Surface Tank and Drum Sites

May 28, 1985 *145 pages*
Order No.: PB87-110672

Assists Federal, State, and local officials and private parties engaged in carrying out remedial actions at NPL sites. Provides guidance for implementing concurrent remedial planning activities and accelerating project implementation for cleanup of

3

Remedial

surface tanks and drums containing hazardous waste. As one of three guidance documents on specific remedial actions, this document identifies other documents that should be used concurrently.
EPA/9380.0-03



Guidance on Expediting Remedial Design and Remedial Action

August 1990 *51 pages*
Order No.: PB90-273871

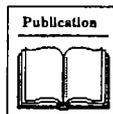
Examines ways to expedite remedial design and remedial action so that cleanup activities can be completed more quickly. Intended for use by remedial project managers, remedial design contractors, and others involved in planning remediation activities. It should be used as a means to evaluate whether a project is suitable for expediting and to determine the methods that could be used.
EPA/540/G-90/006
EPA/9355.5-02



Guidance on Oversight of Potentially Responsible Party Performed Remedial Design and Remedial Action

February 14, 1990 *56 pages*
Order No.: PB90-249707

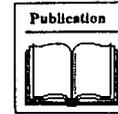
Provides interim final guidance on EPA oversight of Remedial Designs and Remedial Actions (RD/RA) performed by Potentially Responsible Parties (PRPs). Ensures that remedies being conducted by private owners and operators of sites are protective of public health and the environment, and are in compliance with applicable performance standards.
EPA/9355.5-01



Guidance on Providing Alternative Water Supplies

March 1, 1988 *135 pages*
Order No.: PB89-167969

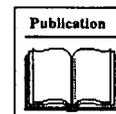
Discusses circumstances under which it is appropriate to provide alternative water supplies.
EPA/540/G-87/006
EPA/9355.3-03



Guidance on Remedial Actions for Contaminated Ground Water at Superfund Sites

December 1988 *180 pages*
Order No.: PB89-184618

Emphasizes decision making issues related to contaminated ground water. This guidance is designed for use by contractors conducting RI/FS activities at sites where ground water is contaminated; RPMs responsible for ensuring the quality of information contained in the RI/FS; and decision makers responsible for selection and subsequent performance evaluation of ground water remedial actions at Superfund sites. (See also: "A Guide on Remedial Actions for Contaminated Ground Water," 9283.1-02FS, which serves as a summary of this manual).
EPA/540/G-88/003
EPA/9283.1-02



Guide for Conducting Treatability Studies Under CERCLA (Interim Final)

December 1989 *132 pages*
Order No.: PB90-249772

Describes an approach for conducting treatability studies that consists of laboratory screening, bench-scale testing, and pilot-scale testing. The guide also presents a step-by-step approach for conducting

treatability studies to determine the effectiveness of a technology (or combination of technologies) in remediating a CERCLA site.

EPA/540/2-89/058

EPA/9380.0-27



A Guide on Remedial Action at Superfund Sites with PCB Contamination

August 1990

9 pages

Order No.: PB90-274432

Summarizes pertinent considerations in the development, evaluation, and selection of remedial actions at Superfund sites with PCB contamination. Provides a general framework for determining cleanup levels, identifying treatment options, and assessing necessary management controls for residuals.
EPA/9355.4-01FS



A Guide on Remedial Actions for Contaminated Ground Water

April 1989

9 pages

Order No.: PB90-272576

Summarizes key issues in developing, evaluating, and selecting ground water remedial actions at Superfund sites, including CERCLA requirements, project planning, and remedial action objectives as presented in the comprehensive guidance.
EPA/9283.1-02FS



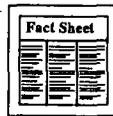
A Guide to Delisting of RCRA Wastes for Superfund Remedial Responses

September 1990

9 pages

Order No.: PB90-274374

Discusses the circumstances under which delisting wastes may be appropriate, and the procedures for delisting a Resource Conservation and Recovery Act (RCRA) hazardous waste as part of a Superfund remedial response.
EPA/9347.3-09FS



A Guide to Developing Superfund Proposed Plans

November 1989

6 pages

Order No.: PB90-273855

Outlines the major components of the Superfund Proposed Plan and suggests effective ways in which the various sections can be presented.
EPA/9335.3-02FS-2



A Guide to Developing Superfund Records of Decision

November 1989

6 pages

Order No.: PB90-273848

Provides staff preparing Records of Decision (RODs) with a quick reference to the essential ROD components and includes summaries of information needed for the three major sections of a ROD.
EPA/9335.3-02FS-1



A Guide to Selecting Superfund Remedial Actions

April 1990

9 pages

Order No.: PB90-273863

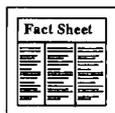
Describes the statutory requirements for CERCLA remedies at hazardous waste sites and the process EPA has established in the 1990 revised National Contingency Plan for meeting those requirements. This process is a general framework for reaching a judgement about the most appropriate method of protecting human health and the environment at a particular site.
EPA/9355.0-27/FS



Indian Tribal Involvement in the Superfund Program

Fall 1989 *5 pages*
Order No.: PB90-273947

Describes the specific requirements of CERCLA and the National Contingency Plan for Indian Tribes that wish to participate in the Superfund program.
EPA/9375.5-02/FS



Innovative Technology: BEST Solvent Extraction Process

November 1989 *5 pages*
Order No.: PB90-274218

Describes the BEST solvent extraction process, which uses one or more secondary or tertiary amines to separate toxic wastes and oils from sludges or soils. Site characteristics affecting treatment feasibility, technology considerations, and the status of the first full-scale test units are discussed, and ORD contacts are provided for more information.
EPA/9200.5-253FS



Innovative Technology: Glycolate Dehalogenation

November 1989 *5 pages*
Order No.: PB90-274226

Describes glycolate dehalogenation as being potentially effective in detoxifying specific types of aromatic organic contaminants, particularly dioxins and PCBs. Site characteristics affecting treatment feasibility, technology considerations, and the status of new technological developments also are discussed.
EPA/9200.5-254FS



Innovative Technology: In Situ Vitrification

November 1989 *5 pages*
Order No.: PB90-274192

Describes an in situ vitrification technology which can be used to treat soils and sludges contaminated with mixtures of various waste types (e.g. radioactive, inorganic and/or organic). Site characteristics affecting treatment feasibility, technology considerations, and the status of new technological developments also are discussed.
EPA/9200.5-251FS



Innovative Technology: Slurry Phase Biodegradation

November 1989 *5 pages*
Order No.: PB90-274200

Describes slurry phase biodegradation, which is potentially effective in treating various organic contaminants. Also discussed are site characteristics affecting treatment feasibility, technology considerations, and a list of names, addresses, and contacts for vendors who have used the technology at several private and state sites is provided.
EPA/9200.5-252FS



Innovative Technology: Soil Washing

November 1989 *5 pages*
Order No.: PB90-274184

Describes soil washing, which can be potentially beneficial in the separation/segregation and volumetric reduction of hazardous materials in solids, sludges, and sediments. Also discussed are site characteristics affecting treatment feasibility, technology considerations, and the status of new technological developments.
EPA/9200.5-250FS



Interim RCRA/CERCLA Guidance on Non- Contiguous Sites and On- Site Management of Waste and Treatment Residue

March 27, 1986 11 pages
Order No.: PB90-274317

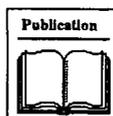
Presents interim guidance about combined treatment of CERCLA wastes from non-contiguous locations, on-site disposal of treatment residue, limitations on construction of hazardous waste incinerators for on-site CERCLA use, and off-site treatment of waste and redispersion on-site.
EPA/9347.0-01



Involvement of Superfund Program Managers in Superfund Response Agreement Audits

February 12, 1990 20 pages
Order No.: PB90-249731

Provides general reference information to Superfund program managers about the audit process. Information in this directive pertains primarily to audits of Cooperative Agreements, yet may be applied to audits of Superfund State Contracts.
EPA/9375.5-04



Leachate Plume Management

November 1, 1985 680 pages
Order No.: PB86-122330

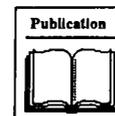
Provides an overview of the fundamental concepts, procedures, and technologies used in leachate plume management. This document serves as a basic reference handbook for governmental and industrial technical personnel working on controlling leachate plumes from uncontrolled hazardous waste sites.
EPA/540/2-85/004
EPA/9380.0-05



Long-Term Contracting Strategy for Superfund

September 1990 6 pages
Order No.: PB90-274275

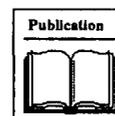
Provides a summary of the Superfund Long-Term Contracting Strategy which was developed to analyze the long-term contract needs of the Superfund program.
EPA/9242.6-07FS



Mobile Treatment Technologies for Superfund Wastes

September 1986 50 pages
Order No.: PB89-135859

Reviews the technologies associated with the use of mobile systems to treat Superfund wastes.
EPA/540/2-86/003
EPA/9380.0-07



Modeling Remedial Actions at Uncontrolled Hazardous Waste Sites

April 1, 1988 463 pages
Order No.: PB85-211357

Provides a guidance on the selection and use of models to evaluate the effectiveness of remedial actions at uncontrolled hazardous waste sites. A comprehensive set of guidelines for incorporating models into remedial action planning at Federal and State Superfund sites is presented.
EPA/540/2-85/001
EPA/9355.0-08

3

Remedial



Notification of Out-of-State Shipments of Superfund Site Wastes

September 14, 1989 6 pages
Order No.: PB90-272618

Implements EPA's policy that prior to the off-site shipment of Superfund site wastes to an out-of-State management facility, EPA Regional personnel will provide notice to that State's environmental officials.
EPA/9330.2-07



Planning for Sufficient Community Relations

March 7, 1990 10 pages
Order No.: PB90-249533

Provides guidance to Regional staff on planning for sufficient community relations at all stages of the Superfund process. This document identifies specific planning activities that have been successfully used in the Regions. (Superfund Management Review: Recommendation No. 43A).
EPA/9230.0-08



Policy for Superfund Compliance with the RCRA Land Disposal Restrictions

April 17, 1989 12 pages
Order No.: PB90-249640

Assists Regional removal and remedial staff in making current site decisions about the Land Disposal Restrictions (LDR) mandated by the national solid waste law (RCRA/HSWA). This memorandum explains how to: (1) determine when LDRs are "applicable" to a Superfund removal or remedial action, and (2) comply with LDRs when they are determined to be applicable.
EPA/9347.1-02



Political Subdivision Involvement in Superfund

April 1990 5 pages
Order No.: PB90-273954

Provides guidance to Regions, States, and political subdivisions on the designation of a political subdivision as the lead agency for remedial response under CERCLA.
EPA/9375.5-03/FS



Procurement Under Preauthorization/Mixed Funding

April 19, 1989 9 pages
Order No.: PB90-249525

Guides Regional staff in clarifying procurement procedures. This guidance sets forth claimants' (1) responsibilities under CERCLA Response Claims Procedures; and (2) means for assuring that their cost claims against the Hazardous Substance Superfund will be reimbursed by EPA.
EPA/9225.1-01



Proposed Method to Evaluate the Effectiveness of Community Involvement in Superfund (Superfund Management Review: Recommendation #43.A)

September 18, 1990 8 pages
Order No.: PB90-273764

Describes a proposed method for evaluating how effectively EPA's Superfund Community Involvement program provides adequate and meaningful opportunities for public participation in decisions made at Superfund sites.
EPA/9230.0-19



The Remedial Investigation: Site Characterization and Treatability Studies

November 1989 7 pages
Order No.: PB90-274408

Summarizes Chapters 3 and 5 of the "Guidance for Conducting Remedial Investigations and Feasibility Studies Under CERCLA." Also discusses site characteristics and treatability studies, and includes information on how to manage these aspects of the Remedial Investigation.
EPA/9355.3-01FS2



Resource Distribution for the Technical Assistance Grant Program

June 29, 1988 5 pages
Order No.: PB90-249459

Clarifies the resource base for Technical Assistance Grants (TAGs), as published in the Federal Register, as an Interim Final Rule. The TAG program is a core factor in the Agency's Superfund community relations efforts to provide community groups with grants so they may obtain assistance in interpreting technical material related to Superfund cleanups.
EPA/9200.3-04



Results of FY-88 Record of Decision Analysis

May 1, 1989 10 pages
Order No.: PB90-249665

Results of FY-89 Record of Decision Analysis

March 30, 1990 20 pages
Order No.: PB90-249681

Discusses results of the draft Office of Emergency and Remedial Response and Office of Waste Programs Enforcement analysis of Records of Decision (RODs). Outlines goals to promote ROD consistency and quality to ensure that the remedial program is conducted consistently with SARA (the Superfund amendments of 1986).
EPA/9355.3-07 (FY-88)
EPA/9355.3-09 (FY-89)



Revised Interim Final Guidance on Indian Involvement in the Superfund Program

November 28, 1989 17 pages
Order No.: PB90-249723

Supplements and references existing documentation for EPA Regional personnel about involvement of Federally recognized Indian Tribes, which are assigned the same status as States by the Superfund program. This memorandum clarifies this

guidance and reflects the Agency's growing experience with States, Indian Tribes, and political subdivisions in CERCLA implementation.
EPA/9375.502A



RI/FS Improvements

July 23, 1987 14 pages
Order No.: PB90-272642

Identifies ways to reduce overall project schedules and costs while retaining a quality product. Four major points are included: phased Remedial Investigations/Feasibility Studies (RI/FS), streamlined project planning, management of handoffs, and RI/FS control reviews.
EPA/9355.0-20



RI/FS Improvements Follow-Up

April 25, 1988 18 pages
Order No.: PB90-249657

Delineates improvements developed for more effective Remedial Investigations/Feasibility Studies (RI/FS).
EPA/9355.3-05



Role of Community Interviews in the Development of a Community Relations Program for Remedial Response

June 15, 1990 5 pages

Order No.: PB90-273756

Offers guidance in response to recent Regional Office questions regarding the community relations interviews required by the National Contingency Plan.

EPA/9230.0-15



Scoper's Notes: A Remedial Investigation/Feasibility Study (RI/FS) Costing Guide

February 1990 31 pages

Order No.: PB90-258369

Outlines tasks and subtasks typically conducted as part of a Remedial Investigation/Feasibility Study, and presents a strategy based on site complexity and task difficulty for estimating a project's cost. Provides cost guidelines for estimating funding needs in advance of issuing work assignments and evaluating contractor proposals.

EPA/540/G-90/002

EPA/9355.1-05



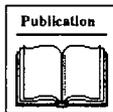
State and Local Involvement in the Superfund Program

Fall 1989 6 pages

Order No.: PB90-273939

Provides an overview of hazardous waste laws, the Superfund process, and future directions of the Superfund program. This document also describes ways that State and local governments can get involved in the Superfund program; mechanisms for assuring State and local involvement; and the roles of political subdivisions, Indian Tribes, and local governments.

EPA/9375.5-01/FS



Status of State Involvement in the Superfund Program: FY-80 to FY-89

April 1990 36 pages

Order No.: PB90-272725

Summarizes State involvement throughout the Superfund process since the passage of CERCLA, the original national hazardous waste law. The report includes: the roles and responsibilities of States; an overview of the Superfund process and phases of response; an historical perspective on State involvement in each phase of response at Superfund sites; and a summary of State involvement in non-site specific activities.

EPA/540/8-90/005

EPA/9375.6-04



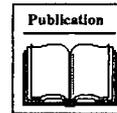
Streamlining the RI/FS for CERCLA Municipal Landfill Sites

September 1990 7 pages

Order No.: PB90-274424

Discusses streamlining the RI/FS for municipal landfills with respect to site characterization, risk assessment, and the development of remedial action alternatives. This streamlining is possible since approximately 20 percent of the sites on the NPL are municipal landfills which typically share similar characteristics.

EPA/9355.3-11FS



Superfund Community Relations Program: A Guide to Effective Presentations With Visual Aids

June 1989 55 pages

Order No.: PB89-167985

Presents a collection of proven visual aid presentation techniques useful in communicating issues concerning Superfund cleanup actions to a general audience. The guide is targeted primarily at individuals implementing the Superfund Community Relations Program.

EPA/540/G-89/001

EPA/9230.0-12A

EPA employees may order documents by calling: FTS-475-8864



Superfund Federal-Lead Remedial Project Management Handbook

December 1986 *204 pages*
Order No.: PB87-183133

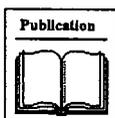
Defines the roles and responsibilities of the Remedial Project Manager (RPM) working on Federal-lead remedial projects at uncontrolled hazardous waste sites. Also discusses project management techniques and the resources available to the RPM for accomplishing the mission.
EPA/540/G-87/001
EPA/9355.1-01



Superfund Innovative Technology Evaluation (SITE) Program: Progress and Accomplishments in FY-87

March 1988 *40 pages*
Order No.: PB88-237482

Reports the status of the SITE program to Congress. The progress, accomplishments, and results of the SITE Program through 1987 are summarized. This report also focuses on completed demonstrations and provides performance data and results.
EPA/540/5-88/001
EPA/9380.0-11



Superfund Innovative Technology Evaluation (SITE) Program Strategy and Program Plan

December 1, 1986 *58 pages*
Order No.: PB87-181939

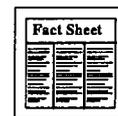
Describes the SITE program strategy and program plan, and provides information on participation in the program.
EPA/540/G-86/001
EPA/9380.2-03



Superfund LDR Guide #1: Overview of RCRA Land Disposal Restrictions (LDRs)

July 1989 *6 pages*
Order No.: PB90-274325

Summarizes the major components of the Land Disposal Restrictions imposed by the national solid waste law (RCRA/HSWA). Also outlines types of restrictions imposed and presents compliance options specified in the regulation.
EPA/9347.3-01FS



Superfund LDR Guide #2: Complying with the California List Restrictions Under Land Disposal Restrictions (LDRs)

July 1989 *5 pages*
Order No.: PB90-274333

Defines the California list of wastes, summarizes their respective restrictions, and discusses their potential to overlap with other Land Disposal Restriction treatment standards.
EPA/9347.3-02FS



Superfund LDR Guide #3: Treatment Standards and Minimum Technology Requirements Under Land Disposal Restrictions (LDRs)

July 1989 *7 pages*
Order No.: PB90-274341

Summarizes types and effective dates of treatment standards, and outlines procedures for compliance with the treatment standards and minimum technology requirements set during national capacity extensions.
EPA/9347.3-03FS



Superfund LDR Guide #4: Complying with the Hammer Restrictions Under Land Disposal Restrictions (LDRs)

July 1989 *7 pages*
Order No.: PB90-274358

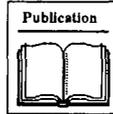
Discusses compliance with Land Disposal Restriction "soft-hammer" and "hard-hammer" provisions. These are restrictions on the disposal of hazardous wastes that become effective if EPA does not promulgate standards by relevant statutory deadlines.
EP/9347.3-04FS



Superfund LDR Guide #5: Determining When Land Disposal Restrictions (LDRs) are "Applicable" to CERCLA Response Actions

July 1989 *7 pages*
Order No.: PB90-274366

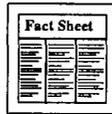
Outlines the process used to determine whether the Land Disposal Restrictions established under the national solid waste law (RCRA/HSWA) are "applicable" to a CERCLA response action.
EPA/9347.3-05FS



Superfund Remedial Design and Remedial Action (RD/ RA) Guidance

June 1, 1986 *112 pages*
Order No.: PB88-107529

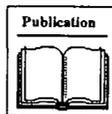
Assists agencies and individuals who plan, administer, and manage RD/RAs at Superfund sites.
EPA/9355.0-04A



Superfund Responsiveness Summaries (Superfund Management Review: Recommendation #43E)

June 4, 1990 *6 pages*
Order No.: PB90-273731

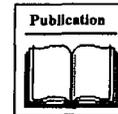
Describes the background of responsiveness summaries and outlines a new format intended to provide summaries that can deal thoroughly with complicated legal and technical issues while maintaining true responsiveness to local communities.
EPA/9230.0-06



Superfund Risk Assessment Information Directory

November 1986 *200 pages*
Order No.: PB87-188918

Identifies and describes sources of information useful in conducting Superfund-related risk assessments. Information is presented on sources of automated databases, data files and tapes, models, directories, periodicals, publications, and human and corporate resources. Facilitates the performance of EPA-related risk assessments by helping individuals find needed information and specialized resources.
EPA/540/1-86/061
EPA/9285.6-01



Superfund State-Lead Remedial Project Management Handbook

December 1986 *131 pages*
Order No.: PB87-183141

Defines roles and responsibilities of the Remedial Project Manager (RPM) involved in State-led remedial projects at uncontrolled hazardous-waste sites. Discusses project management techniques and resources available.
EPA/540/G-87/002
EPA/9355.2-01



Superfund Technical Assistance Grants

January 1990 *9 pages*
Order No.: PB90-273772

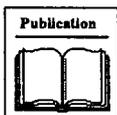
Provides background and basic information on the Technical

Assistance Grant (TAG) program. TAG provides funds to qualified citizen's groups to hire independent technical advisors. EPA/9230.1-05/FS

process schematics, characteristics affecting treatment performance, and contacts.

EPA/540/2-88/004

EPA/9380.0-25



Superfund Treatability Clearinghouse Abstracts

August 1989

133 pages

Order No.: PB90-119751

Presents clearinghouse studies collected to aid in the development of treatment methods for excavated soils that would trigger Land Disposal Restrictions under the requirements of national solid waste law (RCRA/HSWA). The studies contain treatability data on technologies for soil and debris. EPA/540/2-89/001
EPA/9380.0-26



Technology Screening Guide for Treatment of CERCLA Soils and Sludges

1988

140 pages

Order No.: PB89-132674

Provides a screening methodology to identify treatment technologies that may be suitable for the management of soils and sludges containing CERCLA waste. Information is presented for each of the treatment technologies on the generic system, individual unique systems, the developmental status,



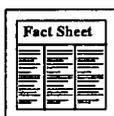
Treatability Studies Contractor Work Assignments

July 12, 1989

5 pages

Order No.: PB90-273962

Requires all future remedial and removal work assignments involving treatability studies to contain a provision requiring the contractor to provide the Agency's Superfund data base with a copy of the work products. EPA/9380.3-01



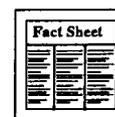
Treatability Studies Under CERCLA: An Overview

December 1989

9 pages

Order No.: PB90-273970

Provides a synopsis of information to facilitate the planning and execution of treatability studies in support of the RI/FS and the RD/RA processes. EPA/9380.3-02/FS



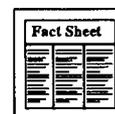
Update: Superfund Technical Assistance Grants

November 1989

5 pages

Order No.: PB90-273715

Addresses the status of the Technical Assistance Grant (TAG) Program and amendments to the Interim Final Rule which specifies requirements for accepting and evaluating applications and awarding and managing TAGs. EPA/9200.5-209/FS



USACE Preplaced and Rapid Response Contracts

December 1989

6 pages

Order No.: PB90-273889

Describes the Preplaced Remedial Action (PRA) and Remedial Response (RR) contracts. Also includes program overviews and a description of the roles and responsibilities of the U.S. Army Corps of Engineers (USACE), and EPA, program execution, resource management, contract management, and program policies are also described. EPA/9355.5-05/FS

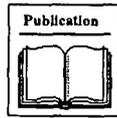


Use of Office of Research and Development's Bioremediation Expertise in Superfund Removal Program

March 12, 1990 *5 pages*
Order No.: PB90-249798

Establishes a formal mechanism to access and use the Office of Research and Development's capabilities in the area of bioremediation of oil spills, hazardous substance spills, and Superfund removal actions.
EPA/9380.4-01

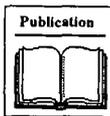
Technology



American Combustion Pyretron Destruction System: Applications Analysis Report

June 1989 *57 pages*
Order No.: PB90-258427

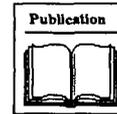
Analyzes American Combustion's Pyretron oxygen enhanced burner system. Discusses information on the economical advantages of this type of incineration for use in assessments at uncontrolled hazardous waste sites.
EPA/540/A5-89/008
EPA/9380.0-35



Assessment of International Technologies for Superfund Applications: Technology Review and Trip Report Results

1988 *53 pages*
Order No.: PB90-106428

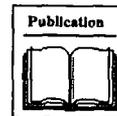
Provides an overview of site remediation technologies being used in the U.S. and in Europe. Recommends efforts to transfer European technologies to the U.S.
EPA/540/2-88/003
EPA/9380.0-10



Assessment of Technologies for the Remediation of Radioactively Contaminated Superfund Sites

January 1990 *115 pages*
Order No.: PB90-204140

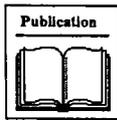
Screens and evaluates information needs in developing generic treatability studies for the remediation of Superfund radiation sites on the NPL. It categorizes the 25 radiation sites currently proposed or listed on the NPL, and provides a rating system for evaluating technologies that may be used to remediate these sites. Also identifies gaps in site assessment and technology data and provides information about and recommendations for technology development.
EPA/540/2-90/001
EPA/9380.0-20



Covers for Uncontrolled Hazardous Waste Sites

September 1985 *554 pages*
Order No.: PB87-119483

Provides guidance for the design of cover systems for uncontrolled hazardous waste sites. Offers information on soil properties tests, materials for impermeable applications, site preparation, support material, equipment, and quality control and assurance.
EPA/540/2-85/002
EPA/9380.0-13



**Determining Soil Response
Action Levels Based on
Potential Contaminant
Migration to Ground Water:
A Compendium of Examples**
October 1989 *152 pages*
Order No.: PB90-183575

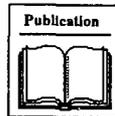
Presents methods and models used to establish soil cleanup levels at Superfund sites where threats to ground water resources exist. Case studies, intended for reference use only, illustrate how methods can be used at Superfund sites to derive soil cleanup levels based on the potential for hazardous constituents to migrate to and contaminate ground water. Examples are not designed to support or recommend any specific approach in determining soil response action levels, and do not constitute guidance.
EPA/540/2-89/057
EPA/9380.0-07



**Dust Control at Hazardous
Waste Sites; Handbook**
November 1985 *99 pages*
Order No.: PB86-190105

Describes methods of controlling contaminated fugitive dust from contaminated land surfaces. Information on equipment, decontamination, and worker protection is included. Possible

non-air impacts arising from the use of dust suppressant measures are also discussed.
EPA/540/2-85/003
EPA/9380.0-14



**Forum on Innovative
Hazardous Waste Treatment
Technologies: Domestic and
International**
September 1989 *329 pages*
Order No.: PB90-183799

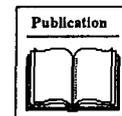
Compiles technical papers presented at the July 19-21, 1989 conference on Domestic and International Hazardous Waste Treatment Technologies in Atlanta. This conference introduced new international technologies, showcased the results of U.S. EPA Superfund Innovative Technology Evaluation (SITE) program technologies, and demonstrated other domestic innovative technologies.
EPA/540/2-89/056
EPA/9380.0-16



**Guide to Treatment
Technologies for Hazardous
Wastes at Superfund Sites**
March 1989 *20 pages*
Order No.: PB89-190821

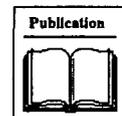
Addresses alternative technologies that can be used to treat wastes at Superfund sites. This guide is

designed for use by EPA Regional Offices, States, remedial contractors, and others to aid in the identification of alternative technologies that have been or are currently being developed.
EPA/540/2-89/052
EPA/9380.0-18



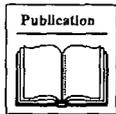
**Handbook on In Situ
Treatment of Hazardous
Waste-Contaminated Soils**
January 1990 *157 pages*
Order No.: PB90-155607

Updates Volume I of "Review of In-Place Treatment Techniques for Contaminated Surface Soils." Provides state-of-the-art information on in situ treatment technologies for contaminated soils.
EPA/540/2-90/002
EPA/9380.0-22



**HAZCON Solidification
Process, Douglassville, PA:
Applications Analysis
Report**
May 1989 *65 pages*
Order No.: PB89-206031

Evaluates the HAZCON solidification technology and its applicability as an on-site treatment method for waste site cleanup. A demonstration was held at the Douglassville, Pennsylvania site in the fall of 1987.
EPA/540/A5-89/001
EPA/9380.0-38



Shirco Infrared Incineration System: Applications Analysis Report
June 1989 137 pages
Order No.: PB89-233423

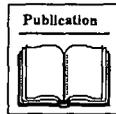
Provides an evaluation of the Shirco infrared thermal destruction technology and its applicability as an on-site treatment method for waste site cleanup.
EPA/540/A5-89/010
EPA/9380.0-36



The Superfund Innovative Technology Evaluation Program: Technology Profile
November 1989 129 pages
Order No.: PB90-249756

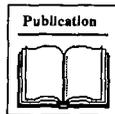
Profiles 52 demonstration and emerging technologies being

evaluated under the SITE Program. Each profile describes a technology, discusses its applicability to various wastes, updates its development or demonstration status, and presents any available demonstration results.
EPA/540/5-89/013
EPA/9380.0-24



Superfund Treatment Technologies: A Vendor Inventory
1986 540 pages
Order No.: PB87-184578

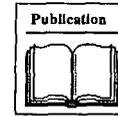
Provides current information on capability and availability of mobile treatment units for Superfund waste, including descriptions and technical information.
EPA/540/2-86/004F
EPA/9380.0-09



Technological Approaches to the Cleanup of Radiologically Contaminated Superfund Sites
August 1988 136 pages
Order No.: PB89-122121

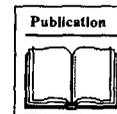
Describes a joint project with EPA's Office of Research and Development and the Office of Air and Radiation to identify technologies for removing or stabilizing radiological contamination at Superfund sites. Exclusive remediation of soil is

addressed. Various technologies and the need for additional assessment studies are evaluated.
EPA/540/2-88/002
EPA/9380.0-21



Technology Evaluation Report: CF Systems Organics Extraction System New Bedford, MA
January 1990 107 pages
Order No.: PB90-258468

Analyzes CF Systems Corporation's organics extraction technology. Contains information on the performance and cost of the process for use in site assessments.
EPA/540/5-90/002
EPA/9380.0-47

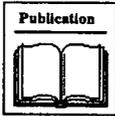


Technology Evaluation Report: SITE Program Demonstration Test, International Waste Technologies In Situ Stabilization/Solidification, Hialeah, Florida, Volume I
June 1989 105 pages
Order No.: PB89-194161

Analyzes the International Waste Technologies' proprietary in situ stabilization/solidification process and represents the sixth demonstration in the Superfund Innovative Technology Evaluation (SITE) program. This report discusses information on the

performance and cost of the technology for assessing its use at uncontrolled hazardous waste sites.
EPA/540/5-89/004a
EPA/9380.0-37

Program Management



Technology Evaluation Report: SITE Program Demonstration Test, Soliditech, Inc. Solidification/Stabilization Process, Volume I
February 1990 *138 pages*
Order No.: PB90-191750

Analyzes the Soliditech, Inc. solidification/stabilization technology. The technical criteria discussed include: (1) contaminant mobility based upon leaching and permeability tests and, (2) the structural integrity of the solidified material based upon physical and morphological tests.
EPA/540/5-89/005a
EPA/9380.0-39



Terra Vac In Situ Vacuum Extraction System: Applications Analysis Report
July 1989 *65 pages*
Order No.: PB90-119744

Evaluates the Terra Vac in situ vacuum extraction system and its applicability as a treatment method for waste site cleanup.
EPA/540/A5-89/003
EPA/9380.0-46



Applicable or Relevant and Appropriate Requirements (ARARs) Qs & As
May 1989 *7 pages*
Order No.: PB90-273780

Summarizes applicable or relevant and appropriate requirements (ARARs) policy that remedial actions conform to the current National Contingency Plan (NCP). First in a planned series, this fact sheet discusses current program practices and the policies and language of the proposed NCP.
EPA/9234.2-01/FS



Approval of Long-Term Contracting Strategy for Superfund (Superfund Management Review: Recommendation E.2)
August 31, 1990 *42 pages*
Order No.: PB90-273822

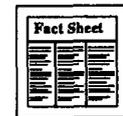
Summarizes the issues, findings, analysis and recommendations for the Superfund Long Term Contracting Strategy which was developed to analyze the long term contract needs of the Superfund program and to design a portfolio

of Superfund contracts to meet those needs over the next 10 years.
EPA/9242.6-07



ARARs Qs & As: Compliance with Federal Water Quality Criteria
June 1990 *11 pages*
Order No.: PB90-274267

Part of a series of fact sheets that provide answers to questions that arose in developing applicable or relevant and appropriate requirements (ARARs) policies, training sessions, and in identifying and complying with ARARs at specific sites. This particular fact sheet addresses compliance with Federal Water Quality Criteria as ARARs.
EPA/9234.2-09/FS



ARARs Qs & As: Compliance with the Toxicity Characteristics Rule: Part 1
May 1990 *6 pages*
Order No.: PB90-273814

Part of a series of fact sheets that provide answers to questions that

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Program Mgt.

arose in developing applicable or relevant and appropriate requirements (ARARs) policies, training sessions, and in identifying and complying with ARARs at specific sites. This fact sheet addresses compliance with the recently promulgated Toxicity Characteristics Rule (55 FR 11798, March 29, 1990).
EPA/9234.2-08/FS



CERCLA Compliance with Other Laws Manual: CERCLA Compliance with the Clean Water Act (CWA) and the Safe Drinking Water Act (SDWA)

February 1990 *10 pages*
Order No.: PB90-273806

Provides a guide to Chapters 3 and 4 of Part I of the "CERCLA Compliance with Other Laws Manual." The sixth in a series, this fact sheet focuses on CERCLA compliance with the Clean Water Act in Chapter 3, and the Safe Drinking Water Act in Chapter 4, and discusses statutes with provisions relevant to surface water or drinking water.
EPA/9234.2-06/FS



CERCLA Compliance with Other Laws Manual: CERCLA Compliance with State Requirements

December 1989 *8 pages*
Order No.: PB90-272543

Provides a guide to Chapter 6 of Part II of the "CERCLA Compliance with Other Laws Manual." The fifth in a series, this fact sheet discusses CERCLA compliance with State requirements, based on policies in proposed revisions to the National Contingency Plan.
EPA/9234.2-05/FS



CERCLA Compliance with Other Laws Manual: Guide to Manual

September 1989 *7 pages*
Order No.: PB90-274242

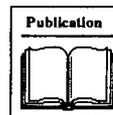
Serves as a guide to the use of the "CERCLA Compliance with Other Laws Manual." The second in a series, this fact sheet discusses implementation of applicable or relevant and appropriate requirements (ARARs) provisions in the proposed revisions to the National Contingency Plan.
EPA/9234.2-02/FS



CERCLA Compliance with Other Laws Manual: Overview of Applicable or Relevant and Appropriate Requirements (ARARs)—Focus on ARAR Waivers

December 1989 *8 pages*
Order No.: PB90-273798

Summarizes Chapter I of Part I of the "CERCLA Compliance with Other Laws Manual" The third in a series, this fact sheet provides an overview of applicable or relevant and appropriate requirements (ARARs) based on policies in proposed revisions to the National Contingency Plan.
EPA/9234.2-03/FS



CERCLA Compliance with Other Laws Manual, Part I (Interim Final)

August 1988 *246 pages*
Order No.: PB90-272535

Developed to provide guidance to Remedial Project Managers, State personnel at State-led Superfund sites, On-Scene Coordinators, and others responsible for planning response actions under the national hazardous waste laws. This guidance is intended to assist in the selection of on-site remedial actions that meet the applicable, or relevant and appropriate requirements (ARARs) of the Resource Conservation and Recovery Act,

Clean Water Act, Safe Drinking Water Act, Clean Air Act, and other Federal and State environmental laws as required by CERCLA.
EPA/540/G-89/006
EPA/9234.1-01



CERCLA Compliance with Other Laws Manual: RCRA (Resource Conservation and Recovery Act) ARARs (Applicable or Relevant and Appropriate Requirements) — Focus on Closure Requirements

October 1989 *9 pages*
Order No.: PB90-274259

Serves as a guide to the use of the "CERCLA Compliance with Other Laws Manual: Parts I and II." The fourth in a series, this fact sheet addresses Subtitle C of the Resource Conservation and Recovery Act (RCRA), as amended by the Hazardous and Solid Waste Amendments of 1984, with a focus on the RCRA Subtitle C disclosure requirements.
EPA/9234.2-04/FS



CERCLA Compliance with Other Laws Manual, Summary of Part II: CAA, TSCA, and Other Statutes

April 1990 *11 pages*
Order No.: PB90-272550

Provides a guide to Chapters 2 and 3 of Part II of the "CERCLA Compliance with Other Laws Manual". The sixth in a series, this fact sheet focuses on CERCLA compliance with the Clean Air Act; the Toxic Substances Control Act;

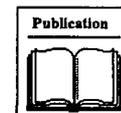
and the Federal Insecticide, Fungicide, and Rodenticide Act. Also, it discusses other statutes that set standards for radioactive wastes, mining wastes, and other resource protection statutes that are potential applicable or relevant and appropriate requirements (ARARs) for CERCLA actions.
EPA/9234.2-07/FS



CERCLIS Data Handling Support Policy Statement

May 30, 1990 *3 pages*
Order No.: PB90-258328

Updates the policy statement published on March 31, 1986, regarding management of the data handling support contract for CERCLIS. This update contains no major changes in policy, but rather presents information in accordance with the current document management standards.
EPA/9221.0-02



Federal Facilities Hazardous Waste Compliance Manual (Final Report)

January 9, 1990 *780 pages*
Order No.: PB90-188749



CERCLA Compliance with Other Laws Manual, Part II: Clean Air Act and other Environmental Statutes and State Requirements

August 1989 *176 pages*
Order No.: PB90-148461

The purpose of the CERCLA Compliance with Other Laws Manual is to assist Remedial Project Managers in identifying and complying with all applicable or relevant and appropriate requirements (ARARs) for remedial actions taken at Superfund sites. This part of the guidance manual addresses CERCLA compliance with the Clean Air Act and other environmental statutes for remedial actions.
EPA/540/G-89/009
EPA/9234.1-02

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Program Mgt.

Presents an overview of the Federal facilities hazardous waste compliance program, relevant statutory authorities, model provisions for Federal facility agreements, enforcement and other applicable guidance, Federal facilities docket and NPL listings, data management information, selected DOD and DOE program guidance, and organization charts and contacts. This compendium may be used as a reference by Regional RCRA and CERCLA enforcement personnel and Regional Counsels, particularly as an orientation guide for new Federal facilities staff.
EPA/9992.4



The Final National Contingency Plan: New Directions for Superfund

February 1990 *6 pages*
Order No.: PB90-272600

Describes how the Superfund "Management Review" ("90-Day Study") and the final National Contingency Plan established a management and regulatory blueprint for implementation of the Superfund law. This fact sheet summarizes Superfund's new goals for hazardous waste cleanup, and how those goals will be achieved.
EPA/9319.0-01/FS



Guidelines for Producing Superfund Documents

February 9, 1987 *14 pages*
Order No.: PB90-249475

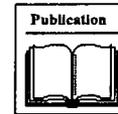
Summarizes the philosophy and policy for planning, writing, and issuing Superfund guidance documents. Helps writers produce documents that are readable, concise, and well-referenced.
EPA/9200.4-01



Hazardous Waste Sites: Descriptions of Sites on Current National Priorities List, October 1984

December 1984 *569 pages*
Order No.: PB85-224756

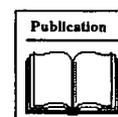
Compiles one-page descriptions of the 538 sites that EPA placed on its NPL. These sites are targeted for possible long-term cleanup under CERCLA, the Superfund law. Conditions at the sites are described at the time EPA first proposed the site for the NPL, and the status of any cleanup activities is given as of October 1984. The document brings together in one volume descriptions made available earlier (in September 1983, May 1984, and September 1984) when the sites were placed on the NPL.
EPA/HW-8.5
EPA/9320.6-01



Management Review of the Superfund Program

June 1989 *126 pages*
Order No.: PB90-153875

Presents the findings of what is commonly called the "90-Day Study," a self-critical examination of the program. Contents of the review include: clear strategy for Superfund; strengthening enforcement and maximizing responsible party work at Superfund sites; accelerating and improving remedial action; bringing innovative technologies to bear on improving remedial action; an aggressive program of community involvement; management and administration: freeing up the skills and tools to do the job; accounting for achievement; and communicating progress to the public.
EPA/540/8-89/007
EPA/9201.01-A

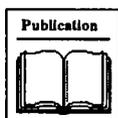


Management Review of the Superfund Program: Implementation Plan

September 21, 1989 *173 pages*
Order No.: PB90-153883

The Superfund 90-Day Study set forth a comprehensive long-term strategy for the Superfund program (see previous Management Review abstract). This document discusses the basic elements of the strategy which are to: immediately control

acute threats; deal with the worst sites and the worst problems first; carefully monitor and maintain sites over the long term; emphasize enforcement to induce private-party cleanup; seek new technologies for more effective cleanup; improve the efficiency of program operations; and encourage full participation by communities.
EPA/540/8-89/009
EPA/9201.02-A



Office of Solid Waste and Emergency Response (OSWER) Comparative Risk Project: Executive Summary and Overview

November 1989 *72 pages*
Order No.: PB90-272501

Discusses the study undertaken by the Office of Solid Waste and Emergency Response (OSWER) to explore the comparative risks posed by various waste management practices regulated by and/or under OSWER purview. Describes the study's position as an early step in the larger strategic planning process, undertaken to gain experience in performing comparative analysis.
EPA/540/1-89/003
EPA/9200.5-004



OSWER Integrated Health and Safety Policy

August 16, 1988 *35 pages*
Order No.: PB90-258344

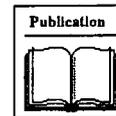
Articulates the requirement that all EPA employees comply with Occupational Health and Safety Administration (OSHA) as well as EPA Health and Safety Directives. The 27-page manual outlines the conditions of this policy and employees' roles and responsibilities in meeting them. The policy applies to all Office of Solid Waste and Emergency Response employees engaged in hazardous substances response activities.
EPA/9285.0-01



OSWER Superfund Telephone Directory

October 1990 *36 pages*
Order No.: PB90-249434

Telephone directory of Superfund Headquarters and Regional contacts. This directory is published on a semi-annual basis.
EPA/9200.0-03B



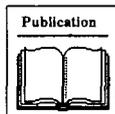
Progress Toward Implementing Superfund: FY-87 — Report to Congress

April 1989 *436 pages*
Order No.: PB90-233548

Progress Toward Implementing Superfund: FY-88 — Report to Congress

April 1990 *484 pages*
Order No.: PB90-249442

Presents EPA's Annual Report on the progress made by the Agency in implementing the national hazardous waste law and its amendments (CERCLA and SARA). The reports provide an overall perspective on progress, contain information that Congress specifically requested, and an evaluation of newly developed feasible and achievable permanent treatment technologies.
EPA/540/8-89/003 (1987)
EPA/9200.2-10 (1987)
EPA/540/8-90/004 (1988)
EPA/9200.2-11 (1988)



ROD (Record of Decision) Annual Report, FY-86

January 1987 185 pages
Order No.: PB87-199550

ROD (Record of Decision) Annual Report, FY-87

July 1988 240 pages
Order No.: PB89-114144

ROD (Record of Decision) Annual Report, FY-88

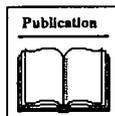
July 1989 495 pages
Order No.: PB89-235212

ROD (Record of Decision) Annual Report, FY-89

April 1990 379 pages
Order No.: PB90-258484

Presents the Regional and Headquarters staff with summary data on RODs. The reports feature specific accomplishments in the ROD process and summarizes each year's RODs by describing site conditions and key contaminants, selected remedial actions, specific remedy performance standards and goals, and institutional controls.

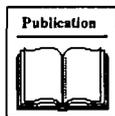
EPA/9355.6-03 (1986)
EPA/540/8-89/006 (1988)
EPA/9200.5-210 (1988)
EPA/540/8-90/006 (1989)
EPA/9355.6-02 (1989)



Superfund: A Six-Year Perspective

October 1986 45 pages
Order No.: PB90-249483

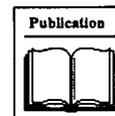
An historical look at how the Superfund program came to be, how it operates, and what was achieved through the program in the first six years of its existence.
EPA/9200.5-000



Superfund: Getting Into the Act — Contracting and Subcontracting Opportunities in the Superfund Program

April 1989 65 pages
Order No.: PB89-233431

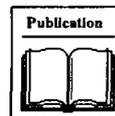
Assists those interested in providing contractual services to the Superfund program. Describes current Superfund contracts and provides contact points, addresses, and telephone numbers of firms with Superfund contracts.
EPA/540/G-89/003a
EPA/9200.5-402



Superfund: Looking Back, Looking Ahead

December 1987 26 pages
Order No.: PB90-249491

Provides an overview of the Superfund hazardous wastes cleanup process and key aspects of the Superfund Amendments and Reauthorization Act of 1986 (SARA). Also addresses the quest for alternative technologies, emergency planning and community right-to-know, the leaking Underground Storage Tank Trust Fund, State involvement, and challenges for Superfund for the future.
EPA/9200.5-001



Superfund Program Management Manual, FY-90: Volume 1

July 1989 205 pages
Order No.: PB90-204199

Superfund Program Management Manual, FY-90: Volume 2, Appendices

July 1989 225 pages
Order No.: PB90-204207

Superfund Program Management Manual, FY-91: Volumes 1 & 2

June 1990 411 pages
Order No.: PB90-273707

Illustrates the relationships among the major Superfund management tools including identifying program goals and priorities, translating priorities into targets and measures that are planned and tracked through the Superfund

Comprehensive Accomplishments Plan (SCAP), allocating resources through targets and measures, and evaluating SCAP to determine whether program goals are being met.

EPA/9200.3-01C (FY-90, Volume 1)
EPA/9200.3-01C (FY-90, Volume 2)
EPA/9200.3-01D (FY-91, Volumes 1 & 2)

Superfund Academy



Inauguration of the On-Site Coordinator (OSC)/ Remedial Project Manager (RPM) Program

February 3, 1989 *10 pages*
Order No.: PB90-274309

Announces the commencement of several principal components of the On-Site Coordinator/Remedial Project Manager (OSC/RPM) support program and solicits estimates of participants for the first class of the OSC/RPM Basic Training Academy.
EPA/9285.9-01



Mandatory Community Relations Training: Superfund Management Review Implementation Product (Recommendation: #43.P(i))

October 31, 1989 *5 pages*
Order No.: PB90-272592

Formally announces mandatory community relations training for Remedial Project Managers, On-Scene Coordinators, and other Regional staff and managers who attend public meetings or deal with the public. The document explains

what the requirements are, and why training is necessary.
EPA/9285.9-06



Mandatory Training Requirements for On-Scene Coordinators and Remedial Project Managers

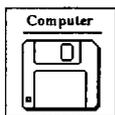
September 29, 1989 *6 pages*
Order No.: PB90-272584

Formally announces the mandatory training requirements for On-Scene Coordinators (OSCs) and Remedial Project Managers (RPMs) at all levels. The directive addresses Congressional, EPA management, and employee concerns raised about the preparation of OSCs and RPMs to perform their jobs.
EPA/9285.9-05

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Computer Materials

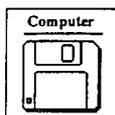
Computer Materials



CERCLIS Site Location Extract

July 1988 *magnetic tapes*
Order No.: PB90-591310

Contains data on potential hazardous waste sites that have been reported to EPA by States, municipalities, private companies, and private persons, pursuant to Section 103 of CERCLA, the national hazardous waste law. The file lists sites by name, alias, location, and indicators for National Priorities List status and Federal facilities. These tapes are available on a subscription basis and are updated periodically.

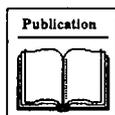


Inorganic Contract Compliance Screening System (ICCSS) Software (for Microcomputers)

February 12, 1990 *1 diskette*
Order No.: PB90-591700

Inorganic Contract Compliance

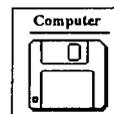
Screening System (ICCSS) software is a version of a mainframe-based application developed for EPA's National Contract Laboratory Program. ICCSS is designed to automate the determination of contractual compliance and completeness of data submitted to the EPA under the Routine Analytical Services (RAS) programs of CERCLA and SARA, the national hazardous waste legislation.



Inorganic Contract Compliance Screening System (ICCSS) Software for the PC (Version 3/90) User Manual

February 1990 *138 pages*
Order No.: PB90-213836

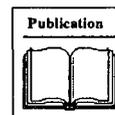
Serves as the user manual for Inorganic Contract Compliance Screening System (ICCSS) software. ICCSS software is a version of a mainframe-based application developed for EPA's National Contract Laboratory Program. ICCSS automates the determination of contractual compliance and completeness of data submitted to EPA under the Routine Analytical Services (RAS) programs of CERCLA and SARA.



Organic Contract Compliance Screening System (OCCSS) Software (for Microcomputers)

February 12, 1990 *1 diskette*
Order No.: PB90-591690

Developed for EPA's National Contract Laboratory Program, Organic Contract Compliance Screening (OCCSS) automates the determination of contractual compliance and completeness of data submitted to the EPA under the Routine Analytical Services (RAS) programs of CERCLA and SARA, the national hazardous waste legislation.



Organic Contract Compliance Screening System (OCCSS) Software for the PC, User Manual

February 1990 *167 pages*
Order No.: PB90-213844

Serves as the user manual for the Organic Contract Compliance Screening System (OCCSS) software which automates the determination of contractual compliance and completeness of data submitted to EPA under the Routine Analytical Services (RAS) programs of CERCLA and SARA, the national hazardous waste legislation.



**Removal Cost Management
System: Version 3.2**

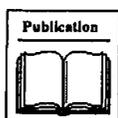
May 1990 *211 pages*

Order No.: PB90-272691

Serves as a reference manual for software used to perform cost projections and daily cost tracking. This user's guide for the Removal Cost Management System (RCMS) can also be used to create Cost Projection reports, the 1900-55 Form, a Daily Cost Summary, an Incident Obligation Log, and Site Summary Reports.

EPA/540/P-90/003

EPA/9360-0-02C



**Superfund Automated
Records of Decision System
(RODS): User Manual**

August 1988 *164 pages*

Order No.: PB90-193004

Provides instructions for using the Agency's ROD database for planning a course of action to clean up a Superfund site proposed or listed on the NPL.

EPA/540/G-89/005

EPA/9355.1-04

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HOW TO ORDER DOCUMENTS

In an effort to be more responsive to the extensive public demand for Superfund documents, EPA has entered all of its current bibliography into the archives of the National Technical Information Service (NTIS).

All documents in this catalog should be purchased from NTIS, using the unique NTIS document number which begins with the letters "PB." While NTIS charges for each document based on cost per page, it also has designed several unique standing order systems for Superfund documents. Those standing orders allow regular readers to subscribe annually, thus guaranteeing the immediate receipt of new documents as soon as they become available.

The new Superfund bibliography is a current feature of NTIS' long history of service to the scientific and engineering communities throughout the world in providing prompt access to government research and technology. NTIS also serves as an historical archive for technical information from many agencies and can offer comprehensive literature searches.

One-Step Easy Ordering For EPA Employees

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