United States
Environmental Protection
Agency

Office of Emergency and
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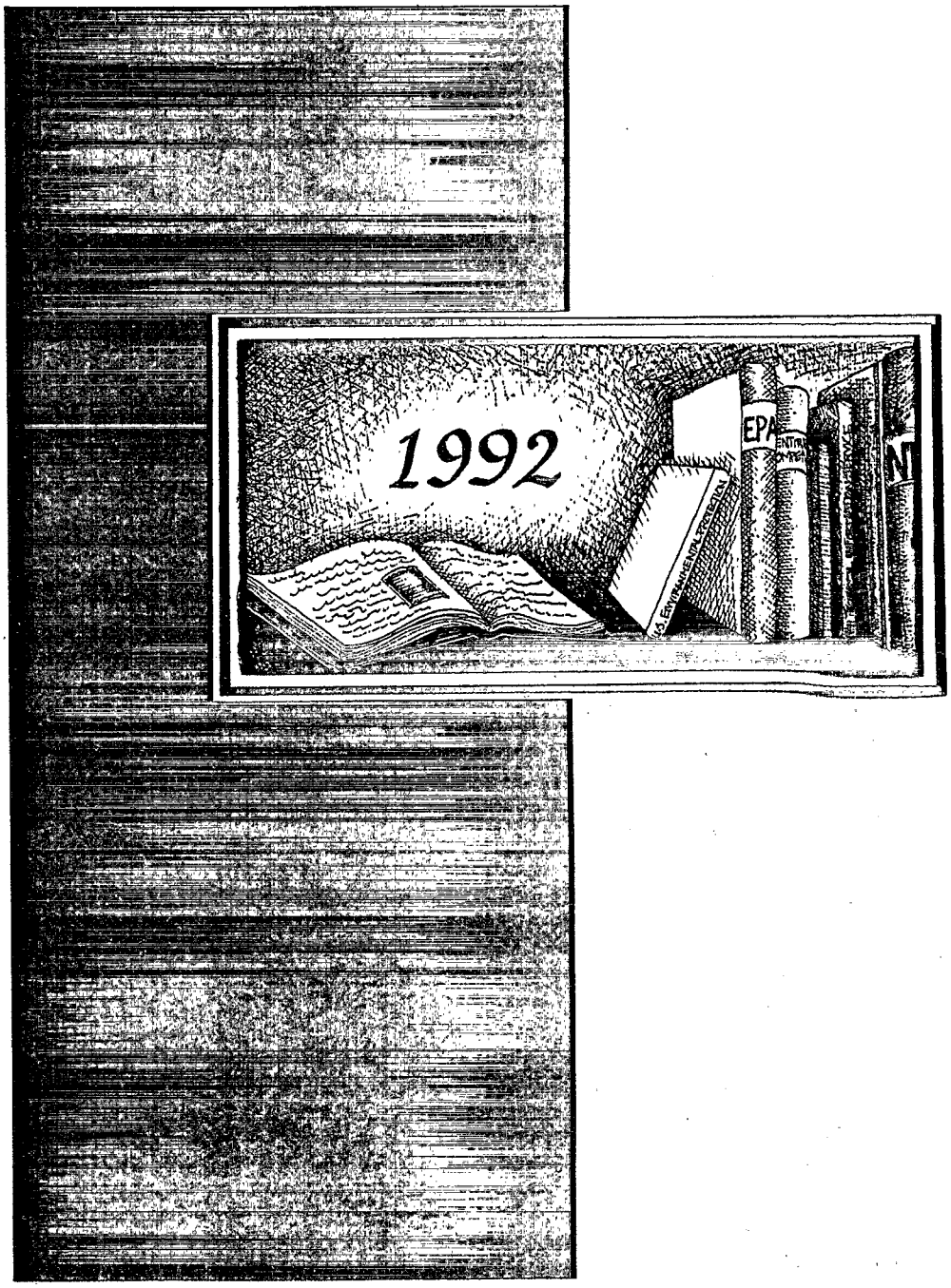
Washington, DC 20460

EPA/540/8-91/014
November 1991

Superfund

Compendium of Superfund Program Publications



U.S. Environmental Protection Agency
National Technical Information Service

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 compendium may be obtained free of charge from the EPA's Public Information Center (PIC), the Superfund Document Center (SDC), the Center for Environmental Research Information (CERI), and the National Technical Information Service (NTIS).

To Order Documents

General Public:

Contact the National Technical Information Service (NTIS):

PHONE: Regular Service — 703-487-4650
Rush Service — 800-553-NTIS

MAIL: National Technical Information Service
5285 Port Royal Road
Springfield, VA 22161

EPA Employees:

Contact the Superfund Document Center:

EMAIL: EPA5428

FAX: 202-260-2596

MAIL: Superfund Document Center
U.S. Environmental Protection Agency, OS-245
401 M Street, SW
Washington, DC 20460

For assistance in identifying the document you want, contact the RCRA/Superfund Hotline: 800-424-9346. Additional ordering information may be found in Section 4 of this Compendium.

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November 1991

Compendium of Superfund Program Publications

1992

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

Printed on Recycled Paper

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

NATIONAL TECHNICAL INFORMATION SERVICE
SPRINGFIELD, VA 22161

Dear Reader:

In the 11 years of the Superfund program, the U.S. Environmental Protection Agency has studied more than 33,000 hazardous waste sites nationwide, issued scores of program guidances and technical manuals, and produced hundreds of fact sheets and explanatory documents. All this activity has made the Office of Emergency and Remedial Response (OERR), Superfund's home office within EPA, a larger publishing enterprise than many private sector publishers. Distributing the large—and growing—volume of Superfund publications to all interested parties is a daunting task.

The National Technical Information Service (NTIS) has joined forces with EPA to ensure that citizen requests for information are filled rapidly and at the lowest possible cost. This Compendium is designed to help anyone interested in the Superfund program to identify and obtain the documents they need. Its indexes are organized by document title, subject, control number, agency number, and NTIS order number. The abstracts section contains brief summaries of document contents. Older, expired, and superseded documents are shown in the archive list. Ordering information is also presented.

We believe that this year's Compendium will be an important source of Superfund information, and we are pleased to make it available.

Henry L. Longest II, Director
Office of Emergency and Remedial Response
United States Environmental Protection Agency

Joseph F. Caponio, Director
National Technical Information Service

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1 How To Use This Compendium

Originators Of Documents

OSWER — Office of Solid Waste and Emergency Response

TIO — Technology Innovation Office

OERR — Office of Emergency and Remedial Response

- **IO** — Immediate Office
- **OPM** — Office of Program Management
- **ERD** — Emergency Response Division
- **HSCD** — Hazardous Site Control Division
- **HSED** — Hazardous Site Evaluation Division

OWPE — Office of Waste Programs Enforcement

OAQPS — Office of Air Quality Planning and Standards

ORD — Office of Research and Development

- **ORPM** — Office of Research Program Management
- **OTTRS** — Office of Technology Transfer and Regulatory Support
- **OER** — Office of Exploratory Research
- **OHR** — Office of Health Research
- **ERL** — Environmental Research Laboratory
  - — Athens, Georgia
  - — Corvallis, Oregan
- **RREL** — Risk Reduction Engineering Laboratory
- **RSKERL** — Robert S. Kerr Environmental Laboratory
- **EMSL** — Environmental Monitoring Systems Laboratory
  - — Cincinnati, Ohio
  - — Las Vegas, Nevada

OW — Office of Water

OHEA — Office of Health and Environmental Assessment

OAR — Office of Air and Radiation

This Compendium is the single most complete source of information produced by the U.S. Environmental Protection Agency (EPA) on Superfund, the nation's program to clean up hazardous waste sites. With this Compendium, Superfund experts and nonexperts alike can obtain from the National Technical Information Service (NTIS) the latest documents or computer files covering every phase of the Superfund program. Ordering information can be found in Section 4.

The publications and computerized data listed in this Compendium come from many program offices. Chief among them is the Office of Emergency and Remedial Response (OERR), which is the EPA office in charge of the Superfund program. Other EPA offices which produced documents listed in this Compendium are:

- the Technology Innovation Office,
- the Office of Waste Programs Enforcement,
- the Office of Air Quality Planning and Standards, and
- the Office of Research and Development.

The program has endeavored to place the entire historical collection, as well as all new documents, in this Compendium. Documents related to enforcement of the Resource Conservation and Recovery Act (RCRA) are also included, because many enforcement actions combine aspects of RCRA and Superfund.

Icon Guide

Fact Sheet

Directive

Publication

Computer Material

The Indexes

The key to using this Compendium effectively is its index system. Five different indexes are available: title, subject, and three numeric indexes. In this way, readers can find the information they need even if they have only fragmentary information such as a publication number, title, or subject category.

Abstract Guide

Title — **Management of Investigation-Derived Wastes During Site Inspections ★** — *Core Document*

Publication Date — May 1, 1991

Originator — OERR/HSED

Length — 68 pages

— *Icon*

Presents a general regulatory background and options for management of investigation-derived wasted (IDW) generated during Superfund site inspections (SIS). — *Summary*

Control Number — Control No.: 9345.3-02

Agency Number — EPA/540/G-91/009

Order Number — **NTIS Order No.: PB91-921331/CCE**

Price Code — **Price Code: A04**

The title index lists documents and computer files alphabetically. Readers can use the title index to locate documents in the abstracts section, where information on publication date, document length, and tracking numbers is available.

In the subject index documents are listed alphabetically by title under subject headings. In addition, many subject listings have cross references so that readers unfamiliar with Superfund program terms can find the documents they want. For example, readers looking for documents about "Cleanup Strategy" are referred to the "Remedial" listing in the Contents.

The Abstracts

Each index listing refers readers to the page in the abstracts section where a brief description of the document can be found. Each abstract contains:

- the document title,
- the publication date,
- an icon showing the type of document,
- the originating office,
- the document length,
- a brief summary of the contents,
- Agency control numbers,
- the NTIS order number, and
- the NTIS price code.

For the convenience of Compendium users with Superfund expertise, the abstracts have been organized into 10 categories:

- Administration and Management
- Analytical Services
- Enforcement (CERCLA)
- Enforcement (RCRA)
- Federal Facilities Enforcement
- Outreach and Training
- Public Participation
- Remedial Action
- Removal Action
- Risk Assessment and Risk Management
- Site Assessment
- Technology

Within each category, documents are divided into logical subcategories and then are listed alphabetically (see Contents). Superfund experts seeking information on a broad topic can browse among the various abstracts after making a guess about the category in which the document is most likely to appear.

Core Documents

Documents considered to be essential to understanding the current Superfund program are called "Core" documents and are designated by stars at the end of their titles in the Abstract Section (Section 5). They can be ordered quickly using the order form supplement at the end of this Compendium.

Archived Documents

Although this Compendium deals primarily with current Superfund documents, numerous publications of historical interest have been produced since Superfund's inception in 1980. Therefore, Section 6 provides a list of older documents available from NTIS.

Ordering Documents

See Section 4 for detailed ordering instructions. The documents included in this Compendium can also be reviewed at EPA Regional Libraries and selected U.S. Government Depository Libraries.

Future Editions

In the spirit of the Federal emphasis on customer assistance through Total Quality Management (TQM), we are asking your help in improving the usefulness of this compendium and of customer access through NTIS. Please use the form at the back of this volume to suggest other improvements or services. ■

For Superfund Newcomers

This Compendium has been designed to help persons unfamiliar with the details of the Superfund program to find the information they need. Wherever possible, plain English has been substituted for program jargon and acronyms.

Non-experts seeking information on particular topics will find the subject index most helpful. It details the types of information Superfund documents contain and is cross-referenced for easy use.

Anyone looking for specific documents will find the title index most useful. The numeric indexes arrange documents by publication number and are a third way users can find the information they need.

For Superfund Experts

Users of this Compendium who are familiar with the Superfund program are likely to be seeking specific documents or program information. The summaries in the abstracts section are organized under 10 large categories and further organized into specific subcategories.

Superfund experts can comb the abstracts easily by checking the Contents to determine in which category the document they want is located and then scanning that section. Documents are arranged alphabetically by title within each subcategory. In addition, the numeric indexes arrange documents by publication number.

2 What Is Superfund?

Superfund is the Federal program that protects people and the environment by cleaning up abandoned or uncontrolled hazardous waste sites. The U.S. Environmental Protection Agency (EPA) administers the Superfund program, which was established in 1980 with the passage of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). In 1986, Congress passed the Superfund Amendment and Reauthorization Act (SARA) which updated and improved CERCLA.

Superfund's Current Authorization Was Extended in 1990

Two major parts of Superfund are the Removal Program and the Remedial Program. The Removal Program takes quick action to correct short-term emergencies such as accidental or deliberate spills of hazardous substances. Removal actions often include:

- Treating, containing, or removing hazardous substances for proper disposal;
- Providing alternate water supplies;
- Evacuating people living near the spill site; and
- Erecting fences, posting warning signs, and taking other steps to keep people and animals away from a site.

In general by law, removal actions can take no more than 12 months and cost no more than $2 million. EPA is responsible for conducting removals on land. The U.S. Coast Guard is responsible for removals in or on coastal and other navigable waters.

The Remedial Program pursues the long-term clean up of serious hazardous waste problems and works to correct wide-scale damage caused by hazardous waste releases. The Superfund program addresses the 1,200 sites on the National Priorities List (NPL) slated for cleanup under Superfund, as well as a host of spontaneous hazardous substance releases anywhere they occur.

The Challenge of Superfund

When CERCLA was signed into law, Superfund was viewed as a short-term program warranting few resources. At that time, EPA and Congress believed only a few hundred sites nationwide would require cleaning up. But as EPA began to study the situation more closely, additional hazardous waste sites were discovered, and the magnitude of the problem grew.

Ten years after Superfund's inception, EPA had identified some 33,000 hazardous waste sites and had evaluated more than 31,000 of them. These preliminary assessments showed that further Federal action was unnecessary at 19,000 sites; their cleanup, if necessary, has been left to State or local government or the private sector. About 11,000 of the 31,000 evaluated sites are awaiting further investigation, and more than 1,200 of the 31,000 sites have been placed on the NPL, making them eligible for federally funded cleanups.

EPA developed the Hazard Ranking System (HRS), which compares the relative severity of health and environmental risks among sites, to determine whether a site should be placed on the NPL. About 5-10 percent of all sites evaluated are placed on the NPL.

Each NPL site is unique. Sites range from a 1/4-acre metal plating shop to a 250-square mile mining complex. Every conceivable type of waste is found at Superfund sites, including heavy metals, solvents, and radioactive wastes. Superfund sites can threaten the air we breathe, the water we drink, and the ground on which we walk.

The Superfund Cleanup Process

EPA learns of potential hazardous waste problems from many sources including State and local governments, businesses, the U.S. Coast Guard, and private citizen reports to the National Response Center's 24-hour hotline at 800-424-8802. Any site that immediately threatens public health or the environment may warrant a short-term removal action. Long-standing hazardous waste problems may also warrant long-term remedial actions.

The major steps in the Superfund cleanup process are:

- Site discovery and investigation, usually by State officials.
- EPA evaluation of possible hazards posed by site contaminants and, if warranted, addition of the site to the NPL.
- Negotiations to compel the individuals or companies responsible for the hazardous waste problem—known as "responsible parties" or RPs—to fund the next steps in the cleanup process.
- Detailed studies to assess what contaminants are present, how serious the site contamination is, and what are the potential risks to the community. Studies are done to determine which clean-up methods may be most effective. This process can take 18 to 30 months, and the average cost is about $1 million.
- Selection of a cleanup method, after a public comment period on EPA's proposed cleanup plans.

- Design of a site-specific cleanup that implements EPA's plan. This takes about 12 to 18 months and costs an average of $1 million.

- Actual cleanup. Depending upon the method used, this step can take from one to six years. One of the most difficult problems at Superfund sites is cleaning up contaminated ground water, which can take decades to complete.

Cleanup funds come from numerous sources. Whenever possible, EPA compels the businesses and individuals responsible for creating a hazardous waste problem to pay for cleaning it up. If EPA cannot find the responsible parties, or cannot force them to pay for cleanup, the Agency will pay for the work out of the Superfund Trust Fund.

The Trust Fund was authorized at $1.6 billion in 1980. Ten years later, its authorization had grown to more than $13 billion. The Superfund program expects to spend an additional $14 billion to clean up all the sites currently on the NPL. The Trust Fund's three major revenue sources are excise taxes on petroleum and chemical feedstocks, and environmental income taxes. Numerous smaller sources—primarily cost recovery, penalties, and interest income—add another $440 million a year.

CERCLA requires States to contribute at least 10 percent of EPA's costs to clean up NPL sites within their borders. Federal agencies pay to clean up Federal hazardous waste sites, such as those on military bases or at weapons plants, out of their own budgets. They do not use Trust Fund monies.

An Enormous Task

Superfund has always been controversial. Progress in cleaning up hazardous waste sites was slow in the program's early years. Decision-making was highly centralized and conservative. Expertise in hazardous waste cleanup was limited, and cleanup technologies were practically nonexistent.

A New Strategy

Progress increased dramatically after passage of the Superfund Amendments and Reauthorization Act of 1986 (SARA), which quadrupled the resources available to the program. However, a new strategy for dealing with the nation's hazardous waste problem clearly was needed.

In June 1989, EPA Administrator William Reilly's *A Management Review of the Superfund Program* articulated a new program strategy.

Simply stated, the new strategy emphasizes addressing the worst problems at the worst sites first, in accordance with the Agency's goal of overall risk reduction. Employing this new strategy, EPA will:

- **Use enforcement first** to compel private party response,

- **Make sites safe** from acute threats,

- **Make sites clean** over the long term, and

- **Bring new technology to bear** on the problem of hazardous waste contamination.

The Future Is Now

The new strategy also calls for EPA to improve program efficiency, encourage public involvement in program decisions, and communicate all aspects of the program more clearly. Communication is vital, so that the general public, environmental professionals, and decision makers at all levels of government will understand the successes Superfund has had and the problems it still faces.

EPA is making solid progress in implementing the new strategy, which is expected to guide the program for years to come. EPA believes the NPL may grow to more than 2,000 sites by the end of the century, and Superfund will be ready to meet the challenge of making sites safe and clean.

Communicating in the Future

In addition, it is important that the technical, technological, and policy documents on which program operations and cleanup activities are based, be accessible to everyone who needs them. Communicating to these users through improved access has been a three-year initiative of the Office of Emergency and Remedial Response. Our cooperative initiative with the National Technical Information Service has produced this comprehensive Compendium, which becomes the focal point of Superfund's new communication effort. It incorporates two principles:

- Superfund-related documents issued by all EPA program offices are now **compiled in one source.** Previously, users had to contact EPA program offices individually for listings of their Superfund documents.

- **NTIS' new system will make Superfund documents available to the public quickly and conveniently.** NTIS now gives orders for Superfund documents special priority. The Standing Order Service has been refined to give subscribers access to all new documents rapidly and economically.

3 What Is NTIS?

The National Technical Information Service (NTIS) is the Environmental Protection Agency's partner in the distribution of Superfund information. All publicly available Superfund documents can be obtained through NTIS.

In addition to Superfund materials, NTIS houses information produced by and for Federal agencies in all areas of science and technology such as business, computer science, ecology, health, medicine, natural science, physics, and chemistry. This information may be in the form of publications, periodicals, computer data files, or computer software. NTIS collects, stores, and disseminates this information to the public.

For each item received from an agency, NTIS creates a bibliographic record, lists the item in its on-line database, and maintains the item in its archives. Thus, Federal agencies are freed from the costs of archiving and distributing their own information products.

At the same time, NTIS guarantees that unclassified information produced for U.S. Government agencies with taxpayers' money can reach those in business, industry, academia, and the general public who can make use of it. To inform scientists, researchers, engineers, and managers about this information, NTIS:

- Announces 150,000 summaries of completed and ongoing U.S. and foreign government-sponsored R&D and engineering activities each year. These summaries detail the knowledge and technology generated through the U.S. Government's $60 billion R&D effort.

Other Environmental Products Available from NTIS

NTIS offers a wide variety of Environmental Products. The following can assist users to access this information:

EPA Publications Bibliography, Quarterly Abstract Bulletin is a printed bibliographic listing of all EPA reports and computer products added to the NTIS collection. It is published on a quarterly cycle and contains 7 indexes: title, keyword, sponsoring EPA office, corporate author, personal author, contract/grant number, and NTIS order/report number. The issue for the last calendar quarter of the year cumulates the indexes. A one-year subscription costs $135. Contact NTIS Standing Orders and Subscriptions Department at 703-487-4630 and order PB92-904200.

EPA Publications Bibliography, 1984-1990 is a 2-volume, hard-bound set that cumulates the bibliographic information published in the Quarterly Abstract Bulletin from 1984 through 1990. For price information call NTIS Sales, 703-487-4650, and ask for NTIS Order No. PB91-205500.

Environmental Pollution and Control is a weekly subscription newsletter containing abstracts of all current reports added to the NTIS collection which are on environmental subjects. They may come from EPA, Department of Energy, National Aeronautics and Space Administration, Department of Transportation, the National Oceanic and Atmospheric Administration of the Department of Commerce, Department of the Interior, State environmental offices, and many other sources of environmental information. An annual subscription costs $150. Contact the Subscriptions Department at 703-487-4630.

Access EPA is a new directory issued by EPA's Office of Information Resources Management containing individual chapters on Public Information Tools, Major EPA Dockets, Clearinghouses and Hotlines, Records Management Programs, Major EPA Environmental Databases, Library and Information Services, and State Environmental Libraries. It sells for $18 and may be ordered by calling NTIS Sales at 703-487-4650 and asking for PB91-151563. Each chapter of ***Access EPA*** is available from NTIS as a separate document. You can order your copies by calling NTIS Sales at 703-487-4650 and requesting the following titles and order numbers:

Public Information Tools	PB91-151571
Major EPA Dockets	PB91-151589
Clearinghouses and Hotlines	PB91-151597
Records Management Programs	PB91-151605
Environmental Databases	PB91-151613
Library and Information Services	PB91-151621
State Environmental Libraries	PB91-151639

- Provides the complete technical reports for most of these results.

- Manages the Federal Computer Products Center, which provides access to software, data files, and databases produced by Federal agencies.

- Manages the Center for the Utilization of Federal Technology (CUFT) which runs the most active inventions licensing program in the U.S. Government. CUFT also links U.S. Firms to Federal laboratory contacts and technologies with its directories and catalogs.

- Gives U.S. Firms access to more than 15,000 foreign government research and engineering programs each year. NTIS is the leading U.S. Government agency in technical information exchange. Through agreements with hundreds of organizations, new R&D efforts are announced from leading industrialized nations such as Japan, Germany, Great Britain, and France.

NTIS is a self-supporting agency of the U.S. Department of Commerce and the largest single source for public access to federally produced information. NTIS originated as the Publications Board established by President Harry S Truman in 1945.

Its original function was to review all World War II government-generated scientific and technical documents and to determine what could be released to the public. Eventually, Congress ordered the Department of Commerce to operate a national clearinghouse to collect and distribute scientific, technical, and engineering information. In 1970, the national clearinghouse was re-established as NTIS.

NTIS receives no Congressionally appropriated funds. Rather, the agency sells its products to recover its costs.

Free from NTIS

For information about the full range of available products, the *NTIS 1992 Products and Services Catalog* is available by calling NTIS Sales at 703-487-4650. Ask for PR-827.

U.S. Government Environmental Datafiles & Software for Microcomputers & Mainframes is available by asking for PR-758.

This Compendium may also be obtained from NTIS without cost. Ask for PR-881.

Looking to the Future

In support of EPA's Superfund program NTIS plans to include early access information through a bulletin board and an ***Alert*** service in paper form listing new products. Both new announcement service options are scheduled for early 1992. For more information, watch for inserts in your Superfund reports ordered from NTIS.

If you have any comments or suggestions for improving the usefulness of NTIS publications or customer access through NTIS, please use the form at the back of this volume to suggest other improvements or services.

■

ANNOUNCEMENT

Records of Decision Now Available to Standing Order Customers

Records of Decision (RODs), EPA's on-the-record explanations of cleanup techniques to be used at each Superfund site, are now available to NTIS standing order customers.

As more and more National Priorities List (NPL) sites are scheduled for long-term cleanup, public interest in RODs is increasing rapidly. To meet this growing demand, NTIS is using its standing order system to ensure that interested parties receive RODs as soon as they are issued. NTIS customers can tailor their standing orders by electing to receive only those RODs issued for Superfund sites in particular Regions of interest.

Region 1 (Order PB92-963700): Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont.

Region 2 (Order PB92-963800): New Jersey, New York, Puerto Rico, the Virgin Islands.

Region 3 (Order PB92-963900): Delaware, the District of Columbia, Maryland, Pennsylvania, Virginia, West Virginia.

Region 4 (Order PB92-964000): Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee.

Region 5 (Order PB92-964100): Illinois, Indiana, Michigan, Minnesota, Ohio, Wisconsin.

Region 6 (Order PB92-964200): Arkansas, Louisiana, New Mexico, Oklahoma, Texas.

Region 7 (Order PB92-964300): Iowa, Kansas, Missouri, Nebraska.

Region 8 (Order PB92-964400): Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming.

Region 9 (Order PB92-964500): Arizona, California, Hawaii, Nevada, American Samoa, Guam.

Region 10 (Order PB92-964600): Alaska, Idaho, Oregon, Washington.

A deposit of $200 per EPA Region is all it takes to establish a standing order for all the Records of Decision issued by an EPA Regional office during the year. Customers' deposit accounts are charged only as RODs are shipped to them. For more information, or for help in establishing a RODs standing order, contact the NTIS Standing Order and Subscription Section at 703-487-4630.

STANDING ORDER SERVICE

Receive Your Documents First and Automatically

With NTIS's new standing order system, keeping up to date with Superfund documents is easier than ever. Standing order customers can automatically receive, at slightly reduced rates, every Superfund document published by OERR, OWPE, and ORD during the year. Or, they can elect to receive every new publication in select categories.

NTIS ships documents to standing order customers via first class mail (or its equivalent) as soon as they are received—even before the materials are available through regular NTIS channels. And NTIS reproduces the most important Superfund reports directly from camera-ready copy, so standing orders are filled even before such documents are printed by EPA.

To make sure you get precisely the documents you need, you can choose to receive documents from any of these categories:

- **Program policies and administration (PB92-963200):** This category covers ARARs; contact management; environmental indicators; internal policies and procedures; planning; and special reports.

- **Site assessment and remediation (PB92-963300):** This category covers site assessment; the National Priorities Listing process; risk assessment; risk management; remedial investigations and feasibility studies; remedial designs and remedial actions; guidance on records of decision; public participation; community relations; state and local involvement; and Technical Assistance Grants.

- **Removals and Emergency Response (PB92-963400):** This category covers removal actions; oil spills; emergency response; field operations; and safety procedures.

- **Technologies and Analytical Services (PB92-963500):** This category covers technology; the SITE program; innovative technologies; selected technologies, by medium; and analytical services.

- **Enforcement (PB92-963600):** This category covers **CERCLA** information, including program management; comprehensive site planning; PRP search, notification and information; litigation support; and program implementation. Enforcement also covers **RCRA** information, including program management; inspection and information gathering; treatment, storage, and disposal; waste mangement and enforcement; and program implementation.

All that's required to begin your standing order service is a deposit of $200 per document category. Customers are charged only when documents are shipped. The standing order service may be ordered using the NTIS Order Form in the back of this Compendium (see Section 4). For more information or assistance, contact the NTIS Standing Order and Subscription Section at 703-487-4630.

4 How To Order Documents

To be more responsive to the extensive public demand for Superfund documents, EPA has placed all of its current bibliography with the National Technical Information Service (NTIS). NTIS has established quick-turnaround procedures especially for Superfund products.

Members of the public should order the documents in this catalog from NTIS, using the unique NTIS document number which begins with the letters "PB." Price codes for all printed copies of documents are listed with the abstracts in Section 5; the corresponding prices are shown in the box on page 10. Printed documents are also available in microfiche; for prices, call 703-487-4650. Prices may be subject to change. A blank NTIS order form is included at the end of this compendium.

If you need additional help in identifying the title, date, or NTIS order number of a document you want, please contact the RCRA/Superfund hotline at 800-424-9346.

Orders may be charged to an NTIS Deposit Account, American Express, VISA, or MasterCard. Checks or money orders are to be made payable to NTIS in U.S. dollars. Orders for foreign destinations are subject to foreign prices. If you use a purchase order and wish to be invoiced, add $7.50 to the total order (U.S., Canada, and Mexico only).

NTIS offers QuikSERVICE to its deposit account customers. This is a computer-based ordering service that speeds up your order. It lets you know immediately the price, approximate time of shipment, and status of earlier orders. For more information, call 703-487-4650 and ask for Department PR-846.

EPA employees can get documents produced by the Office of Emergency and Remedial Response and the Office of Waste Programs Enforcement from the Superfund Document Center.

Standing Order Service

NTIS's new standing order service is the best way to stay current with Superfund Program developments. Standing order customers can automatically receive every Superfund document published by OERR, OWPE, and ORD during the year. Or, customers can tailor their standing orders to receive new documents only in select categories. (Standing order customers also receive slight discounts on the publications they purchase.)

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Orders From EPA Employees

Employees of the U.S. Environmental Protection Agency should order all documents in this Compendium either by:

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Springfield, VA
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Core Documents

Superfund Core documents are those essential to understand the program. They are designated by stars next to their titles in Section 5. An order form supplement included at the back of this Compendium makes it easy to obtain the "Core" documents. Attach the supplement to the regular NTIS order form.

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Contact NTIS for prices for diskettes and magnetic tapes (price codes, E, D, or T.)

Documents are also available on microfiche and are generally less expensive than hard copy prices for a given document.

5

Abstracts

General

The Final National Contingency Plan: New Directions for Superfund

February 1990
OERR/OPM
6 pages

Describes how the Superfund Management Review and the final National Contingency Plan (NCP) established a management and regulatory blueprint for implementation of the Superfund law. Summarizes Superfund's new goals for hazardous waste cleanup, and how those goals will be achieved.

Control No.: 9319.0-01FS
NTIS Order No.: PB90-272600/CCE
Price Code: A02

ARARs

The CERCLA Compliance with Other Laws Manuals, August 1988 and August 1989, remain the basic reference documents in ARARs. The Fact Sheets listed in this section supplement the manuals, and taken together, present the Agency's most current information.

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

November 30, 1989
OERR/HSCD
25 pages

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.

Control No.: 9380.3-04
NTIS Order No.: PB90-258476/CCE
Price Code: A03

ARARs Qs & As: Compliance with Federal Water Quality Criteria ★

June 1990
OERR/OPM
11 pages

Answers questions arising from developing applicable or relevant and appropriate requirements (ARARs) policies.

Control No.: 9234.2-09FS
NTIS Order No.: PB90-274267/CCE
Price Code: A03

ARARs Qs & As: Compliance with New SDWA National Primary Drinking Water Regulations for Organic and Inorganic Chemicals ★

July 1991
OERR/OPM
8 pages

Provides guidance on questions that arose in developing ARAR policies and in identifying and complying with ARARs at specific sites concerning the new Safe Drinking Water Regulations (Phase II).

Control No.: 9243.2-15FS
NTIS Order No.: PB91-921363/CCE
Price Code: A02

ARARs

ARARs Qs & As: Compliance with the Toxicity Characteristics Rule: Part 1 ★

May 1990
OERR/OPM
6 pages

Answers questions that arise from developing applicable or relevant and appropriate requirements (ARARs) policies. Addresses compliance.

Control No.: 9234.2-08FS
NTIS Order No.: PB90-273814/CCE
Price Code: A02

ARARs Qs & As: The Fund-Balancing Waiver ★

January 1991
OERR/OPM
4 pages

Provides guidance on a number of questions that arose in developing ARARs policies, in ARARs training sessions, and in identifying and complying with ARARs at specific sites.

Control No.: 9234.2-13FS
NTIS Order No.: PB91-921321/CCE
Price Code: A01

ARARs Qs and As: General Policy, RCRA, CWA, SDWA, Post ROD Information and Contingency Waivers ★

July 1991
OERR/OPM
7 pages

Provides guidance on questions that arose in developing ARAR policies, in ARARs training session, and in identifying and complying with ARARs at specific sites. Updates and replaces Fact Sheet issued in May 1989.

Control No.: 9234.2-01FS-A
NTIS Order No.: PB91-921341/CCE
Price Code: A02

ARARs Qs and As: State Ground Water Anti-degradation Issues ★

July 1990
OERR/OPM
11 pages

Provides guidance on the status of State ground water antidegradation provisions as potential applicable or relevant and appropriate requirements (ARARs) for CERCLA ground water and soil remedial actions.

Control No.: 9234.2-11FS
NTIS Order No.: PB91-921311/CCE
Price Code: A02

Applicability of Land Disposal Restrictions to RCRA & CERCLA Ground Water Treatment Reinjection, Superfund Management ★

December 27, 1989
OERR/HSED
5 pages

Explains EPA's interpretation of whether LDRs are applicable or relevant and appropriate to reinjection or to remediation processes.

Control No.: 9234.1-06
NTIS Order No.: PB91-921332/CCE
Price Code: A01

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

February 1990
OERR/OPM
10 pages

Provides a guide to Chapters 3 and 4 of Part 1 of the "CERCLA Compliance with Other Laws Manual." Focuses on CERCLA compliance with the Clean Water Act. Discusses statutes with provisions relevant to surface water or drinking water.

Control No.: 9234.2-06FS
NTIS Order No.: PB90-273806/CCE
Price Code: A02

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

December 1989
OERR/OPM
8 pages

Provides a guide to Chapter 6 of Part 2 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.

Control No.: 9234.2-05FS
NTIS Order No.: PB90-272543/CCE
Price Code: A02

CERCLA Compliance with Other Laws Manual: Guide to Manual ★

September 1989
OERR/OPM
7 pages

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.

Control No.: 9234.2-02FS
NTIS Order No.: PB90-274242/CCE
Price Code: A01

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

December 1989
OERR/OPM
8 pages

Summarizes Chapter 1 of Part 1 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.

Control No.: 9234.2-03FS
NTIS Order No.: PB90-273798/CCE
Price Code: A02

CERCLA Compliance with Other Laws Manual, Part 1 (Interim Final) ★

August 1988
OERR/OPM
246 pages

Provides guidance to all those responsible for planning response actions under the national hazardous waste laws. Volume 1 assists in the selection of on-site remedial actions that meet the applicable, or relevant and appropriate requirements (ARARs) of all Federal and State environmental laws as required by CERCLA. Volume 2 assists Remedial Project Managers in identifying and complying with all ARARs for remedial actions at Superfund sites. Addresses CERCLA compliance with the Clean Air Act and other environmental statutes for remedial actions.

Control No.: 9234.1-01 (Volume 1)
EPA/540/G-89/006
NTIS Order No.: PB90-272535/CCE
Price Code: A11

CERCLA Compliance with Other Laws Manual, Part 2: Clean Air Act and Other Environmental Statutes and State Requirements ★

August 1989
OERR/OPM
176 pages

Control No.: 9234.1-02 (Volume 2)
EPA/540/G-89/009
NTIS Order No.: PB90-148461/CCE
Price Code: A09

ARARs

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
OERR/OPM
9 pages

Serves as a guide to the use of the "CERCLA Compliance with Other Laws Manual: Parts 1 and 2." Fourth in a series, addresses Subtitle C of the Resource Conservation and Recovery Act (RCRA) with a focus on the RCRA Subtitle C closure requirements.

Control No.: 9234.2-04FS
NTIS Order No.: PB90-274259/CCE
Price Code: A02

CERCLA Compliance with Other Laws Manual, Summary of Part 2: CAA, TSCA, and Other Statutes ★

April 1990
OERR/OPM
11 pages

Sixth in a series, focuses on CERCLA compliance with the Clean Air Act; the Toxic Substances Control Act; and the Federal Insecticide, Fungicide, and Rodenticide Act. Discusses statutes that set standards for radioactive wastes, mining wastes, and other resource protection statutes that are potentially applicable or relevant and appropriate requirements (ARARs) for CERCLA actions.

Control No.: 9234.2-07FS
NTIS Order No.: PB90-272550/CCE
Price Code: A03

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

July 28, 1986
OERR/OPM
5 pages

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

Control No.: 9330.2-06
NTIS Order No.: PB90-249632/CCE
Price Code: A01

CERCLA Off-Site Policy: Providing Notice to Facilities ★

May 12, 1986
OERR/OPM
8 pages

Explains notification of commercial treatment, and disposal facilities ineligible to receive CERCLA response wastes.

Control No.: 9330.2-05
NTIS Order No.: PB90-249624/CCE
Price Code: A02

Consideration of RCRA Requirements in Performing CERCLA Responses at Mining Waste Sites ★

August 19, 1991
OERR/OPM
10 pages

Addresses mining waste problems by developing a program for regulation under Subtitle D.

Control No.: 9234.0-04
NTIS Order No.: PB91-214205/CCE
Price Code: A03

Delegations of Authority Under the Federal Water Pollution Control Act (FWPCA) Which are Applicable to the Superfund Program ★

April 16, 1984
OERR/OPM
8 pages

Delegates authority regarding the use of dispersant and responsibilities within the Spill Prevention Control & Countermeasure System (SPCC) program.

Control No.: 9260.3-00
NTIS Order No.: PB90-249574/CCE
Price Code: A01

Discharge of Waste Water from CERCLA Sites into Publicly Owned Treatment Works (POTWs) ★

April 15, 1986
OERR/OPM
8 pages

Discusses technical and policy concerns related to the discharge of waste water 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 waste water.

Control No.: 9330.2-04
NTIS Order No.: PB90-249616/CCE
Price Code: A02

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

March 27, 1986
OERR/OPM
11 pages

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 disposal on-site.

Control No.: 9347.0-01
NTIS Order No.: PB90-274317/CCE
Price Code: A03

Land Disposal Restrictions as Relevant and Appropriate Requirements for CERCLA Contaminated Soil and Debris ★

June 5, 1989
OERR/HSCD
11 pages

Discusses the applicability and relevance of LDRs for soil or debris that does not contain restricted RCRA wastes. Provides suggested language to be incorporated into feasibility studies.

Control No.: 9347.2-01
NTIS Order No.: PB91-214973/CCE
Price Code: A03

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

September 14, 1989
OERR/OPM
6 pages

Implements EPA's policy regarding off-site shipment of Superfund off-site wastes to an out-of-State management facility.

Control No.: 9330.2-07
NTIS Order No.: PB90-272618/CCE
Price Code: A02

Policy for Superfund Compliance with the RCRA Land Disposal Restrictions ★

April 17, 1989
OERR/HSCD
12 pages

Assists Regional removal and remedial staff in making decisions about the Land Disposal Restrictions (LDR) mandated by the national solid waste law (RCRA/HSWA). Explains "applicable" LDRs and resultant compliance.

Control No.: 9347.1-02
NTIS Order No.: PB90-249640/CCE
Price Code: A03

Summary of Notification of Out-of-State Shipments of Superfund Site Waste ★

May 1991
OERR/HSCD
6 pages

Summarizes EPA's policy that prior to the off-site shipment of Superfund wastes to an out-of state waste management facility, EPA regional personnel will provide notice to the receiving State's environmental officials.

Control No.: 9330.2-07FS
NTIS Order No.: PB91-228197/CCE
Price Code: A01

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

July 1989
OERR/HSCD
6 pages

Summarizes major components of the Land Disposal Restrictions imposed by the national solid waste law (RCRA/HSWA). Presents compliance options specified in the regulation.

Control No.: 9347.3-01FS
NTIS Order No.: PB90-274325/CCE
Price Code: A02

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

July 1989
OERR/HSCD
5 pages

Defines the California list of wastes, summarizes restrictions, and discusses potential to overlap with other Land Disposal Restriction treatment standards.

Control No.: 9347.3-02FS
NTIS Order No.: PB90-274333/CCE
Price Code: A01

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

July 1989
OERR/HSCD
7 pages

Summarizes types and effective dates of treatment standards, and outlines procedures for compliance with the national capacity extensions.

Control No.: 9347.3-03FS
NTIS Order No.: PB90-274341/CCE
Price Code: A02

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

July 1989
OERR/HSCD
7 pages

Discusses compliance with Land Disposal Restriction "soft-hammer" and "hard-hammer" provisions.

Control No. 9347.3-04FS
NTIS Order No.: PB90-274358/CCE
Price Code: A02

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

July 1989
OERR/HSCD
7 pages

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.

Control No.: 9347.3-05FS
NTIS Order No.: PB90-274366/CCE
Price Code: A02

Superfund LDR Guide #6A (Second Edition): Obtaining a Soil and Debris Treatability Variance for Remedial Actions ★

September 1990
OERR/HSCD
6 pages

Outlines the process for obtaining and complying with a Treatability Variance for soil and debris that are contaminated with RCRA hazardous wastes until the Agency promulgates treatment standards for such materials.

Control No.: 9347.3-06FS
NTIS Order No.: PB91-921327/CCE
Price Code: A02

Superfund LDR Guide #6B: Obtaining a Soil and Debris Treatability Variance for Removal Actions ★

September 1990
OERR/HSCD
6 pages

Outlines the process for obtaining and complying with a Treatability Variance for soil and debris that are contaminated with RCRA hazardous wastes until such time that EPA promulgates treatment standards for soil and debris.

Control No.: 9347.3-06BFS
NTIS Order No.: PB91-921310/CCE
Price Code: A02

Superfund LDR Guide #7: Determining When Land Disposal Restrictions (LDR) are Relevant and Appropriate to CERCLA Response Actions ★

December 1989
OERR/HSCD
2 pages

Outlines the process used to determine whether the Resource Conservation and Recovery Act (RCRA) land disposal restrictions are "relevant and appropriate" to an on-site CERCLA response action.

Control No.: 9347.3-08FS
NTIS Order No.: PB91-214122/CCE
Price Code: A01

Superfund LDR Guide #8: Compliance with Third Third Requirements Under the LDRs ★

October 1990
OERR/HSCD
4 pages

Summarizes the key provisions of the Third Third LDR rule. Discusses potential implications for CERCLA response actions.

Control No.: 9347.3-08FS
NTIS Order No.: PB91-921313/CCE
Price Code: A01

A Guide to the Delisting of RCRA Wastes for Superfund Remedial Responses ★

September 1990
OERR/OPM
9 pages

Discusses procedures for delisting RCRA hazardous wastes as part of a Superfund remedial response.

Control No.: 9347.3-09FS
NTIS Order No.: PB90-274374/CCE
Price Code: A02

Superfund LDR Guide #10: Guide to Obtaining No Migration Variances for CERCLA Remedial Actions ★

April 1991
OERR/HSCD
5 pages

Outlines procedures for obtaining a No Migration Variance for RCRA hazardous wastes as part of a CERCLA response when the LDRs are ARAR.

Control No.: 9347.3-10FS
NTIS Order No.: PB91-921367/CCE
Price Code: A01

CERCLA Compliance with the RCRA Toxicity Characteristics (TC) Rule: Part 2 ★

October 1990
OERR/OPM
4 pages

Aids site managers in identifying whether CERCLA waste is RCRA hazardous waste. Part 2 provides a general framework for managing CERCLA wastes in accordance with the new requirements.

Control No.: 9347.3-11FS
NTIS Order No.: PB91-921309/CCE
Price Code: A01

Superfund LDR Guide to RCRA Management Requirements for Mineral Processing Wastes ★

January 1991
OERR/HSCD
4 pages

Summarizes recent revisions to the 1980 mining waste exclusion; explains potential effects on waste management options for mineral processing wastes. Provides general framework for managing mineral processing wastes at CERCLA sites.

Control No.: 9347.3-12FS
NTIS Order No.: PB91-921318/CCE
Price Code: A01

Contract Management

ARCS Construction Contract Modification Procedures ★

September 1989
OERR/HSCD
9 pages

Describes contracting relationships, technical reviews, and administrative procedures required to process supplemental agreements and orders for changed work in Remedial Action construction projects.

Control No.: 9355.5-01FS
NTIS Order No.: PB90-274515/CCE
Price Code: A02

ARCS Work Assignment Management, Field Guide

January 1989
OERR/OPM
130 pages

One of three management assistance tools available. Provides reference information on the initiation and management of ARCS work assignments.

Control No.: 9242.6-01
NTIS Order No.: PB91-214965/CCE
Price Code: A07

Debarment and Suspension

Fall 1989
OERR/HSCD
6 pages

Defines debarment and suspension, describes causes and procedures and authorities for pursuing them. Discusses requirements of the Drug-Free Work Place Act.

Control No.: 9200.5-208FS
NTIS Order No.: PB90-272527/CCE
Price Code: A02

Guidance for Organizing ARCS Contract Files

January 3, 1989
OERR/OPM
8 pages

Provides instructions for developing a consistent, flexible, filing system to manage ARCS contract files.

Control No.: 9242.6-02
NTIS Order No.: PB91-215020/CCE
Price Code: A02

Headquarters Support Contract Management Procedures

November 15, 1989
OERR/OPM
21 pages

Addresses perceptions that can weaken public confidence in the Superfund program. Presents procedures designed to strengthen contract management. Provides information applicable to OERR work assignments.

Control No.: 9242.6-05
NTIS Order No.: PB91-921335/CCE
Price Code: A03

Approval of Long Term Contracting Strategy for Superfund (Superfund Management Review: Recommendations E.2) ★

August 1990
OERR/OPM
42 pages

Summarizes and clarifies issue findings, analyses, and recommendations for EPA's Long-Term Contracting Strategy for Superfund.

Control No.: 9242.6-07
NTIS Order No.: PB90-273822/CCE
Price Code: A03

Long-Term Contracting Strategy for Superfund ★

September 1990
OERR/OPM
4 pages

Summarizes issue findings, analyses, and recommendations for EPA's Long-Term Contracting Strategy for Superfund. Analyzes long-term contracting needs of the program. Clarifies roles of the Advisory Committee and the Regions in implementing the Long-Term Contracting Strategy.

Control No.: 9242.6-07FS
NTIS Order No.: PB91-921308/CCE
Price Code: A01

Long-Term Contracting Strategy for Superfund--Implementation ★

August 14, 1991
OERR/OPM
2 pages

Clarifies the roles of the Advisory Committee and the Regions in implementing the long-term contracting strategy for Superfund. Represents a consensus of all affected Headquarters and Regional offices on the design of the portfolio of Superfund contracts over the next ten years.

Control No.: 9242.6-10
NTIS Order No.: PB91-921358/CCE
Price Code: A01

Model Performance Standards for Superfund Project Officers, Deputy Project Officers, and Work Assignment Managers/Delivery Order Officers ★

September 26, 1988
OERR/OPM
19 pages

Provides background, and transmits model performance standards for selecting and managing the hiring and supervision of staff engaged in the above contract responsibilities at Superfund sites.

Control No.: 9242.5-02
NTIS Order No.: PB90-258336/CCE
Price Code: A03

Superfund: Getting into the Act. Contracting and Subcontracting Guide to the Superfund Program ★

April 1989
OERR/OPM
66 pages

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.

Control No.: 9200.5-402
EPA/540/G-89/003a
NTIS Order No.: PB89-233431/CCE
Price Code: A04

Treatability Studies Contractor Work Assignments

July 12, 1989
OERR/OPM
5 pages

Requires all future remedial and removal work assignments to contain a provision requiring the contractor to provide the Agency's Superfund database with a copy of the work products.

Control No.: 9380.3-01
NTIS Order No.: PB90-273962/CCE
Price Code: A01

Environmental Indicators

Superfund: Reporting on Progress Through Environmental Indicators

November 1990
OERR/OPM
24 pages

Examines the work done by EPA over the past ten years to show progress and accomplishments on sites that have not yet been deleted from the list of the most dangerous areas.

Control No.: 9200.5-007
EPA/540/X-90/002
NTIS Order No.: PB91-921203/CCE
Price Code: E03

Superfund Progress: Environmental Indicators, Environmental Fact Sheet

November 1990
OERR/OPM
4 pages

Provides a brief summary of information contained in the report "Superfund: Reporting Progress Through Environmental Indicators."

Control No.: 9200.5-007FS
NTIS Order No.: PB91-921354/CCE
Price Code: A01

Internal Policies and Procedures

CERCLIS Data Handling Support Policy Statement

May 30, 1990
OERR/OPM
3 pages

Updates the policy statement of March 31, 1986, regarding CERCLIS data handling. Presents information in accordance with the current document management standards.

Control No.: 9221.0-02A
NTIS Order No.: PB90-258328/CCE
Price Code: A01

Delegation of Remedy Selection to Regions

March 24, 1986
OERR/OPM
7 pages

Presents revisions to the ROD delegation procedures designed to streamline the remedy selection process of delegation.

Control No.: 9260.1-09
NTIS Order No.: PB90-249566/CCE
Price Code: A02

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

May 1990
OERR/HSCD
7 pages

Outlines new procedures for the disbursement of funds to the USACE under EPA-lead Superfund projects.

Control No.: 9355.5-14FS
NTIS Order No.: PB90-273897/CCE
Price Code: A02

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

March 21, 1990
OERR/HSCD
7 pages

Transmits new procedures for the disbursement of funds to USACE under EPA- lead Superfund projects.

Control No.: 9295.2-04
NTIS Order No.: PB91-921347/CCE
Price Code: A02

Guidelines for Producing Superfund Documents

February 9, 1987
OERR/OPM
14 pages

Summarizes policy for planning, writing, and issuing Superfund guidance documents. Aids in producing documents that are readable, concise, and well-referenced.

Control No.: 9200.4-01
NTIS Order No.: PB90-249475/CCE
Price Code: A03

OERR Organizational Conflict of Interest Review & Approval Program (Superfund Management Review: Recommendation No. 46C)

October 31, 1989
OERR/OPM
10 pages

Suggests steps for eliminating both organizational conflict and perceived conflict in Superfund work assignments.

Control No.: 9242.6-04
NTIS Order No.: PB91-214957/CCE
Price Code: A03

Re-delegation of Authority Under CERCLA and SARA

May 25, 1988
OERR/IO
44 pages

Published under AA/OSWER, it is the current and definitive delegations document for these authorities. Attachment A contains re-delegations of authority to take specific actions. Attachment B designates responsibilities to exercise concurrence, consult, or receive notice.

Control No.: 9260.5-02A
NTIS Order No.: PB90-249582/CCE
Price Code: A03

Total Quality Management (TQM) and Quality Assurance (QA) in Superfund

December 5, 1990
OERR/OPM
3 pages

Focuses on TQM in relation to Superfund's QA Program. Addresses the development of Data Quality Objective for the RI/FS and RD/RA processes.

Control No.: 9242.6-08
NTIS Order No.: PB91-921333/CCE
Price Code: A01

Planning

Establishing a Construction Pipeline

December 19, 1989
OERR/OPM
12 pages

Re-emphasizes the importance of completing activities to assure FY 90 remedial actions are funded timely. Includes background and implementation information for EPA regional offices and the Remedial Action Prioritization Fact Sheet.

Control No.: 9200.3-09
NTIS Order No.: PB91-214189/CCE
Price Code: A03

Final Policy on Setting RI/FS Priorities

December 27, 1990
OERR/HSCD
10 pages

Outlines objectives and goals of the final policy on setting RI/FS prioritization and offers guidance to the Regions on how best to implement the policy.

Control No.: 9200.3-11
NTIS Order No.: PB91-921324/CCE
Price Code: A02

Superfund Program Management Manual, FY92: Volume 1

June 1991
OERR/OPM
272 pages

Illustrates the relationships among the major Superfund management tools, including , but not limited to, identifying program goal, and translating priorities into targets, planned and tracked through the Superfund Comprehensive Accomplishments Plan (SCAP). Published annually. Previous years are listed in the archived document list.

Control No.: 9200.3-01F
EPA/540/P-91/004a
NTIS Order No.: PB91-921272/CCE
Price Code: A18

Superfund Program Management Manual, FY92: Volume 2

June 1991
OERR/OPM
140 pages

Control No.: 9200.3-01F
EPA/540/P-91/004b
NTIS Order No.: PB91-921272/CCE
Price Code: A18

Technology Transfer Needs Assessment

April 1990
OSWER/TIO
112 pages

Indicates the priority of technical needs across program areas and Regions, and provides previously unavailable data regarding Office of Solid Waste and Emergency Response audiences.

EPA/540/8-90/007
NTIS Order No.: PB91-125674/CCE
Price Code: A06

Special Reports

Assurance of Hazardous Waste Capacity: Guidance to State Officials

December 1988
OERR/IO
81 pages

Reflects EPA's current understanding of statutory requirements and the Agency's suggestion that States implement these requirements. Provides substantial information to States: language for contracts and cooperative agreements, instructions on preparation of State Capacity Assurance Plans (CAPs), and a model for interstate agreements, regional agreements, and authority required when addressing access to capacity in other States.

Control No.: 9010.0
NTIS Order No.: PB91-214171/CCE
Price Code: A05

Management Review of the Superfund Program ★

June 1989
OSWER/OERR
126 pages

Presents the findings of the "90-Day Study," a self-critical examination of the program. Supplemented by Control No. 9201.02-A "Management Review of the Superfund Program: Implementation Plan," dated September 21, 1989.

Control No.: 9201.01-A
EPA/540/8-89/007
NTIS Order No.: PB90-153875/CCE
Price Code: A09

Management Review of the Superfund Program: Implementation Plan ★

September 21, 1989
OSWER/OERR
173 pages

Discusses long-term strategy which is 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.

Control No.: 9201.2-A
EPA/540/8-89/009
NTIS Order No.: PB90-153883/CCE
Price Code: A08

National Priorities List Book Set

September 1990
OERR/OPM
Set of 51 books

Provides general Superfund background information and descriptions of activities at each State National Priorities List (NPL) sites. This set of documents compiles State-specific sites summary fact sheets on each site being cleaned up under the Superfund program.

Control No.: 9200.5-700
NTIS Order No.: PB91-238725/CCE
Price Code: A99

Superfund: Focusing on the Nation at Large; a Decade of Progress at National Priorities List Sites

September 1990
OERR/OPM
97 pages

Summarizes the progress made in the cleanup of sites on the National Priorities List (NPL). It also provides a state-by-state summary of 422 improved sites. Supplemented by individual State books which contain detailed information on all 1,236 NPL sites.

Control No.: 9200.5-701
EPA/540/4-90/001
NTIS Order No.: PB91-921207/CCE
Price Code: A06

National Priorities List Sites: Alabama

September 1990
OERR/OPM
62 pages

Together with the companion national overview volume this publication provides general Superfund background information and descriptions of activities at each State National Priorities List (NPL) site. Clearly describes what the problems are, what EPA and others participating in site cleanups are doing, and how the nation can move ahead in solving these serious problems. Compiles site summary fact sheets on each State site being cleaned up under the Superfund program.

Control No.: 9200.5-702
EPA/540/4-90/002
NTIS Order No.: PB91-921209/CCE
Price Code: A04

National Priorities List Sites: Alaska
September 1990
OERR/OPM
48 pages

Control No.: 9200.5-703
EPA/540/4-90/003
NTIS Order No.: PB91-921210/CCE
Price Code: A03

National Priorities List Sites: Arizona and Nevada
September 1990
OERR/OPM
59 pages

Control No.: 9200.5-704
EPA/540/4-90/004
NTIS Order No.: PB91-921211/CCE
Price Code: A04

National Priorities List Sites: Arkansas
September 1990
OERR/OPM
53 pages

Control No.: 9200.5-705
EPA/540/4-90/005
NTIS Order No.: PB91-921212/CCE
Price Code: A04

National Priorities List Sites: California
September 1990
OERR/OPM
222 pages

Control No.: 9200.5-706
EPA/540/4-90/006
NTIS Order No.: PB91-921213/CCE
Price Code: A10

National Priorities List Sites: Colorado
September 1990
OERR/OPM
70 pages

Control No.: 9200.5-707
EPA/540/4-90/007
NTIS Order No.: PB91-921214/CCE
Price Code: A04

National Priorities List Sites: Connecticut
September 1990
OERR/OPM
59 pages

Control No.: 9200.5-708
EPA/540/4-90/008
NTIS Order No.: PB91-921215/CCE
Price Code: A04

National Priorities List Sites: Delaware
September 1990
OERR/OPM
75 pages

Control No.: 9200.5-709
EPA/540/4-90/009
NTIS Order No.: PB91-921216/CCE
Price Code: A04

National Priorities List Sites: Florida
September 1990
OERR/OPM
147 pages

Control No.: 9200.5-710
EPA/540/4-90/010
NTIS Order No.: PB91-921217/CCE
Price Code: A07

National Priorities List Sites: Georgia
September 1990
OERR/OPM
59 pages

Control No.: 9200.5-711
EPA/540/4-90/011
NTIS Order No.: PB91-921218/CCE
Price Code: A04

National Priorities List Sites: Hawaii
September 1990
OERR/OPM
43 pages

Control No.: 9200.5-712
EPA/540/4-90/012
NTIS Order No.: PB91-921219/CCE
Price Code: A03

National Priorities List Sites: Idaho
September 1990
OERR/OPM
50 pages

Control No.: 9200.5-713
EPA/540/4-90/013
NTIS Order No.: PB91-921220/CCE
Price Code: A03

National Priorities List Sites: Illinois
September 1990
OERR/OPM
111 pages

Control No.: 9200.5-714
EPA/540/4-90/014
NTIS Order No.: PB91-921221/CCE
Price Code: A06

Special Reports

National Priorities List Sites: Indiana
September 1990
OERR/OPM
108 pages

Control No.: 9200.5-715
EPA/540/4-90/015
NTIS Order No.: PB91-921222/CCE
Price Code: A06

National Priorities List Sites: Iowa
September 1990
OERR/OPM
75 pages

Control No.: 9200.5-716
EPA/540/4-90/016
NTIS Order No.: PB91-921223/CCE
Price Code: A04

National Priorities List Sites: Kansas
September 1990
OERR/OPM
53 pages

Control No.: 9200.5-717
EPA/540/4-90/017
NTIS Order No.: PB91-921224/CCE
Price Code: A04

National Priorities List Sites: Kentucky
September 1990
OERR/OPM
66 pages

Control No.: 9200.5-718
EPA/540/4-90/018
NTIS Order No.: PB91-921225/CCE
Price Code: A04

National Priorities List Sites: Louisiana
September 1990
OERR/OPM
53 pages

Control No.: 9200.5-719
EPA/540/4-90/019
NTIS Order No.: PB91-921226/CCE
Price Code: A04

National Priorities List Sites: Maine
September 1990
OERR/OPM
56 pages

Control No.: 9200.5-720
EPA/540/4-90/020
NTIS Order No.: PB91-921227/CCE
Price Code: A04

National Priorities List Sites: Maryland
September 1990
OERR/OPM
49 pages

Control No.: 9200.5-721
EPA/540/4-90/021
NTIS Order No.: PB91-921228/CCE
Price Code: A03

National Priorities List Sites: Massachusetts
September 1990
OERR/OPM
90 pages

Control No.: 9200.5-722
EPA/540/4-90/022
NTIS Order No.: PB91-921229/CCE
Price Code: A05

National Priorities List Sites: Michigan
September 1990
OERR/OPM
202 pages

Control No.: 9200.5-723
EPA/540/4-90/023
NTIS Order No.: PB91-921230/CCE
Price Code: A10

National Priorities List Sites: Minnesota
September 1990
OERR/OPM
122 pages

Control No.: 9200.5-724
EPA/540/4-90/024
NTIS Order No.: PB91-921231/CCE
Price Code: A06

National Priorities List Sites: Mississippi
September 1990
OERR/OPM
35 pages

Control No.: 9200.5-725
EPA/540/4-90/025
NTIS Order No.: PB91-921232/CCE
Price Code: A03

National Priorities List Sites: Missouri
September 1990
OERR/OPM
82 pages

Control No.: 9200.5-726
EPA/540/4-90/026
NTIS Order No.: PB91-921233/CCE
Price Code: A05

National Priorities List Sites: Montana
September 1990
OERR/OPM
54 pages

Control No.: 9200.5-727
EPA/540/4-90/027
NTIS Order No.: PB91-921234/CCE
Price Code: A04

National Priorities List Sites: Nebraska
September 1990
OERR/OPM
43 pages

Control No.: 9200.5-728
EPA/540/4-90/028
NTIS Order No.: PB91-921236/CCE
Price Code: A03

National Priorities List Sites: New Hampshire
September 1990
OERR/OPM
65 pages

Control No.: 9200.5-729
EPA/540/4-90/029
NTIS Order No.: PB91-921237/CCE
Price Code: A04

National Priorities List Sites: New Jersey
September 1990
OERR/OPM
276 pages

Control No.: 9200.5-730
EPA/540/4-90/030
NTIS Order No.: PB91-921235/CCE
Price Code: A13

National Priorities List Sites: New Mexico
September 1990
OERR/OPM
51 pages

Control No.: 9200.5-731
EPA/540/4-90/031
NTIS Order No.: PB91-921238/CCE
Price Code: A04

National Priorities List Sites: New York
September 1990
OERR/OPM
209 pages

Control No.: 9200.5-732
EPA/540/4-90/032
NTIS Order No.: PB91-921239/CCE
Price Code: A10

National Priorities List Sites: North Carolina
September 1990
OERR/OPM
78 pages

Control No.: 9200.5-733
EPA/540/4-90/033
NTIS Order No.: PB91-921240/CCE
Price Code: A05

National Priorities List Sites: North and South Dakota
September 1990
OERR/OPM
46 pages

Control No.: 9200.5-734
EPA/540/4-90/034
NTIS Order No.: PB91-921241/CCE
Price Code: A03

National Priorities List Sites: Ohio
September 1990
OERR/OPM
100 pages

Control No.: 9200.5-744
EPA/540/4-90/035
NTIS Order No.: PB91-921242/CCE
Price Code: A05

National Priorities List Sites: Oklahoma
September 1990
OERR/OPM
51 pages

Control No.: 9200.5-736
EPA/540/4-90/036
NTIS Order No.: PB91-921243/CCE
Price Code: A04

National Priorities List Sites: Oregon
September 1990
OERR/OPM
46 pages

Control No.: 9200.5-737
EPA/540/4-90/037
NTIS Order No.: PB91-921244/CCE
Price Code: A03

National Priorities List Sites: Pennsylvania
September 1990
OERR/OPM
245 pages

Control No.: 9200.5-738
EPA/540/4-90/038
NTIS Order No.: PB91-921245/CCE
Price Code: A11

Special Reports

National Priorities List Sites: Puerto Rico
September 1990
OERR/OPM
47 pages

Control No.: 9200.5-751
EPA/540/4-90/051
NTIS Order No.: PB91-921257/CCE
Price Code: A03

National Priorities List Sites: Rhode Island
September 1990
OERR/OPM
54 pages

Control No.: 9200.5-735
EPA/540/4-90/039
NTIS Order No.: PB91-921246/CCE
Price Code: A04

National Priorities List Sites: South Carolina
September 1990
OERR/OPM
78 pages

Control No.: 9200.5-740
EPA/540/4-90/040
NTIS Order No.: PB91-921247/CCE
Price Code: A05

National Priorities List Sites: Tennessee
September 1990
OERR/OPM
61 pages

Control No.: 9200.5-741
EPA/540/4-90/042
NTIS Order No.: PB91-921248/CCE
Price Code: A04

National Priorities List Sites: Texas
September 1990
OERR/OPM
92 pages

Control No.: 9200.5-742
EPA/540/4-90/043
NTIS Order No.: PB91-921249/CCE
Price Code: A05

National Priorities List Sites: Utah
September 1990
OERR/OPM
54 pages

Control No.: 9200.5-743
EPA/540/4-90/044
NTIS Order No.: PB91-921250/CCE
Price Code: A04

National Priorities List Sites: Vermont
September 1990
OERR/OPM
48 pages

Control No.: 9200.5-739
EPA/540/4-90/045
NTIS Order No.: PB91-921251/CCE
Price Code: A03

National Priorities List Sites: Virginia
September 1990
OERR/OPM
78 pages

Control No.: 9200.5-745
EPA/540/4-90/046
NTIS Order No.: PB91-921252/CCE
Price Code: A04

National Priorities List Sites: Washington
September 1990
OERR/OPM
130 pages

Control No.: 9200.5-746
EPA/540/4-90/047
NTIS Order No.: PB91-921253/CCE
Price Code: A07

National Priorities List Sites: West Virginia
September 1990
OERR/OPM
39 pages

Control No.: 9200.5-747
EPA/540/4-90/048
NTIS Order No.: PB91-921254/CCE
Price Code: A03

National Priorities List Sites: Wisconsin
September 1990
OERR/OPM
117 pages

Control No.: 9200.5-748
EPA/540/4-90/049
NTIS Order No.: PB91-921255/CCE
Price Code: A06

National Priorities List Sites: Wyoming
September 1990
OERR/OPM
35 pages

Control No.: 9200.5-749
EPA/540/4-90/050
NTIS Order No.: PB91-921256/CCE
Price Code: A03

National Priorities List Sites: American Samoa, Guam and Trust Territories

September 1990
OERR/OPM
44 pages

Control No.: 9200.5-750
EPA/540/4-90/052
NTIS Order No.: PB91-921258/CCE
Price Code: A03

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

November 1989
OSWER/IO
72 pages

Discusses the study undertaken by 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.

Control No.: 9200.5-004
EPA/540/1-89/003
NTIS Order No.: PB90-272501/CCE
Price Code: A04

Progress Toward Implementing Superfund: FY89 Report to Congress

December 1990
OERR/OPM
369 pages

Presents EPA's Annual Report on progress made in implementing the national hazardous waste law. Previous years are listed in the archived document list.

Control No.: 9200.2-12
EPA/540/8-90/017
NTIS Order No.: PB91-921204/CCE
Price Code: A16

A Study of Joint Use of Vehicles for Transportation of Hazardous and Nonhazardous Materials

April 1987
OERR/ERD
116 pages

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.

Control No.: 9360.6-01
EPA/540/1-87/001
NTIS Order No.: PB87-215349/CCE
Price Code: A06

Decentralization of Superfund Bottle Repository Functions ★

September 1, 1989
OERR/HSED
43 pages

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.

Control No.: 9240.0-05
NTIS Order No.: PB90-249558/CCE
Price Code: A03

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

November 1989
OERR/HSED
346 pages

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

Control No.: 9240.0-04-1 (Volume 1)
Control No.: 9240.0-04-2 (Volume 2)
NTIS Order No.: PB90-191545/CCE
Price Code: A15 (Sold as a Set)

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

February 12, 1990
OERR/HSED
138 pages

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. SAS based.

EPA/SW/DK-90/026A (Manual)
NTIS Order No.: PB90-213836/CCE
Price Code: A07

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

February 12, 1990
OERR/HSED
5.25" Diskette and Manual

EPA/SW/DK-90/026A
NTIS Order No.: PB90-591700/CCE
Price Code: D01

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

February 12, 1990
OERR/HSED
167 pages

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. SAS based.

EPA/SW/DK-90/025A (Manual)
NTIS Order No.: PB90-213844/CCE
Price Code: A08

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

February 12, 1990
OERR/HSED
5.25" Diskette and Manual

EPA/SW/DK-90/025A
NTIS Order No.: PB90-591690/CCE
Price Code: D01

Preparation Aids for the Development of Category 1: Quality Assurance Project Plans

February 1991
ORD/RREL
75 pages

Publication

Describes the details of the 15 required elements of a Category 1 Quality Assurance (QA) Project Plan. Includes definitions and explanations of frequently used terms, examples of QA forms and charts, sample equations, and numerous suggestions for producing summary tables.

EPA/600/8-91/003
NTIS Order No.: PB91-148312/CCE
Price Code: A04

Sampler's Guide to the Contract Laboratory Program

January 1991
OERR
42 pages

Computer

Provides guidance and direction to program clients. Designed to clarify sampling procedures necessary tp submit samples for CLP analysis. Acts as a reference for Regions and contractors to promote consistency in sampling procedures and ensure the proper adherence to CLP requirements.

Control No.: 9240.0-06
EPA/540/P-90/006
NTIS Order No.: PB91-921330/CCE
Price Code: A03

Superfund Analytical Data Review and Oversight ★

August 18, 1988
OERR/HSED
7 pages

Directive

Outlines procedures and responsibilities related to review and oversight of Superfund analytical data.

Control No.: 9240.0-03
NTIS Order No.: PB90-249541/CCE
Price Code: A02

User's Guide to the Contract Laboratory Program ★

January 1991
OERR/HSED
76 pages

Publication

Describes an organic and inorganic analytical program and outlines Contract Laboratory Program (CLP) protocols. Contains information for CLP samplers and user groups in EPA and the states.

Control No.: 9240.0-01D
EPA 540/P-91/002
NTIS Order No.: PB91-921278/CCE
Price Code: A04

Program Management

General

Interim Guidance for Soil Ingestion Rates
January 27, 1989
OWPE/OERR
3 pages

Provides guidance to the Regions on soil ingestion rate assumptions recommended for use in developing exposure scenarios for Superfund-lead and enforcement-lead site risk assessments. Enhances consistency among Regional risk assessments and recommends an ingestion rate for soil initiated by Headquarters. Supersedes Directive No. 9285.4-01, dated October 1986, only with reference to soil ingestion rates.

Directive No.: 9850.4
NTIS Order No.: PB91-139709/CCE
Price Code: A02

SCAP

Site Classification Changes from Enforcement to Fund Lead
May 5, 1987
OWPE
5 pages

Superfund Comprehensive Accomplishments Plan explains to the Regions the circumstances and procedures to follow for changing National Priorities List site classification from enforcement to Fund-Lead.

Directive No.: 9840.3
NTIS Order No.: PB91-139600/CCE
Price Code: A02

CERCLA SPMS

Use of CERCLA Section 106 Unilateral Enforcement for Remedial Design and Remedial Action: Strategy for Fiscal Year 1990
February 14, 1990
OWPE
7 pages

Describes FY90 strategy for enhancing use of CERCLA Section 106 authorities, focusing significantly on Unilateral Administrative Orders for remedial designs and remedial actions. Supersedes Directive No. 9870.1, dated July 11, 1989.

Directive No.: 9870.1A
NTIS Order No.: PB91-139733/CCE
Price Code: A03

Contracts

Roles and Responsibilities of Deputy Project Officers and Work Assignment Managers Under the Technical Enforcement Support (TES) Contract
February 17, 1988
OWPE
17 pages

Lists duties and responsibilities that Regional contacts, who will now serve as Deputy Project Officers under Headquarters Project Officers for the TES contracts, must perform in managing and administering these contracts.

Directive No.: 9871.0
NTIS Order No.: PB91-139741/CCE
Price Code: A03

Roles and Responsibilities of Regional Project Officers and Headquarters Zone Project Officers For Management of TES (TES 5+) Contracts
March 3, 1989
OWPE
12 pages

Defines the roles and responsibilities of Regional Project Officers (RPO) and Headquarters Zone Project Officers (ZPO) managing and administering the Technical Enforcement Support (TES) Contracts.

Directive No.: 9871.0-1a
NTIS Order No.: PB91-139758/CCE
Price Code: A03

Delegation of Authority

Revision of CERCLA Judicial Settlement Authorities Under Delegations 14-13-B and 14-14-E

June 17, 1988
OWPE
4 pages

Implements revisions to the consultation and concurrence requirements of the civil judicial settlement delegations, which are designed to streamline the enforcement process and help achieve Agency remedial action and cost recovery goals. Supplements Directive No. 9012.10-a-I, dated July 15, 1988.

Directive No.: 9012.10-a
NTIS Order No.: PB91-138818/CCE
Price Code: A02

Redelegation of Civil Judicial Settlement Authorities

August 8, 1988
OWPE
4 pages

Provides redelegations and consultation on judicial settlements and de minimis settlements from AA/OSWER to director of the Office of Waste Programs Enforcement. Supplements Directive No. 9012.10-a, dated June 17, 1988.

Directive No.: 9012.10-b
NTIS Order No.: PB91-138834/CCE
Price Code: A02

Waiver of Concurrence on De Minimis Generator Settlements

July 15, 1988
OWPE
1 page

Authorizes Region I at Type Level 2 of the revised CERCLA civil judicial settlement authorities under Delegation 14-13-B and 14-14-E. Provides the Region with delegated authority to transmit de minimis settlements under Section 122(g)(1)(A) to the Department of Justice with Headquarters consultation. Supplements Directive No. 9012.10-a, dated June 17, 1988.

Directive No.: 9012.10-a-I
NTIS Order No.: PB91-138826/CCE
Price Code: A01

Comprehensive Site Planning

Program Management

Superfund Desk Reference for Municipalities

April 1991
OWPE
390 pages

A compilation of existing documents relating to municipalities and Superfund. Assists municipalities that might have been or might be identified as PRPs to work through the Superfund process.

Directive No.: 9800.3
EPA/540/8-91/013
NTIS Order No.: PB91-193409/CCE
Price Code: A17

Superfund Enforcement Strategy and Implementation Plan

November 3, 1990
OWPE
65 pages

Reflects a review of recent studies of the Superfund program as well as ongoing management initiatives involving EPA and the Department of Justice, including the Superfund settlement incentives and disincentives workgroup and the Superfund enforcement management issues workgroup.

Directive No.: 9800.0
NTIS Order No.: PB91-138842/CCE
Price Code: A04

Site Management

Integrated Timeline for Superfund Site Management (SMR no. 5, 15)

June 11, 1990
OWPE
11 pages

Displays the key steps and optimum duration of phases in moving sites from identification to remediation. The duration of key phases should be viewed as goals to move the program.

Directive No.: 9851.3
NTIS Order No.: PB91-139717/CCE
Price Code: A03

PRP Search, Notification, and Information

Covenant Not to Sue Under SARA

July 10, 1987
OWPE
23 pages

Updates the Interim Settlement Policy with guidance on the implementation of mandatory and discretionary provisions of SARA in relation to the use of covenants not to sue in consent decrees. Attached is a model covenant not to sue.

Directive No.: 9834.8
NTIS Order No.: PB91-139220/CCE
Price Code: A03

Evaluating Mixed Funding Settlements Under CERCLA

October 20, 1987
OWPE
16 pages

Guides the Regions in evaluating PRP settlement proposals in order to persuade EPA to provide mixed funding at CERCLA sites. The goals are to encourage the Regions to consider mixed funding settlements, present a method for mixed funding, and to present criteria for evaluating good versus poor candidates. Supplemented by 9834.9a, dated May 27, 1988.

Directive No.: 9834.9
NTIS Order No.: PB91-139238/CCE
Price Code: A03

Interim Guidance on Notice Letters, Negotiations, and Information Exchange

October 19, 1987
OWPE
41 pages

Guides the Regions on issuing notice letters, entering into negotiations, and exchanging information with potentially responsible parties. Supersedes Directive No. 9834.2, dated October 9, 1985, and Directive No. 9834.1, dated September 12, 1984. Supplemented by Directive No. 9834.10-1A, and Directive No. 9835.12, dated March 1, 1990.

Directive No.: 9834.10
NTIS Order No.: PB91-139253/CCE
Price Code: A03

Interim Guidance on Settlements with De Minimis Waste Contributors Under Section 122(g) of SARA

June 19, 1987
OWPE
30 pages

Provides interim guidance for determining which potentially responsible parties qualify for treatment as de minimis waste contributors and presents interim guidelines for settlement. Partially superseded by Directive No. 9834.7-1A, dated October 19, 1987, and supplemented by Directive No. 9834.7-1B, dated December 20, 1989.

Directive No.: 9834.7
NTIS Order No.: PB91-139196/CCE
Price Code: A03

Interim Model CERCLA Section 122(g)(4) De Minimis Waste Contributor Consent Decree and Administrative Order on Consent

October 19, 1987
OWPE
18 pages

Provides interim model language to assist the Regions in drafting de minimis waste contributor consent decrees and administrative orders on consent under section 122(g)(4) of CERCLA, as amended by SARA. Supersedes, in part, Directive No. 9834.7, dated June 19, 1987.

Directive No.: 9834.7-1A
NTIS Order No.: PB91-139204/CCE
Price Code: A03

Interim Policy on Mixed Funding Settlements Involving the Preauthorization of States or Political Subdivisions

May 27, 1988
OWPE
4 pages

Establishes EPA's interim policy on the use of mixed funding/preauthorization settlements of States or political subdivisions that are potentially responsible parties. Supplements Directive No. 9834.9 "Evaluating Mixed Funding Agreements Under CERCLA," dated October 20, 1987.

Directive No.: 9834.9a
NTIS Order No.: PB91-139246/CCE
Price Code: A02

Methodologies for Implementation of CERCLA Section 122(g)(1)(A) De Minimis Waste Contributor Settlements

December 20, 1989
OWPE
18 pages

Assists the Regional case staff in the evaluation and development of de minimis contributor settlement proposals and agreements. Presents general suggestions, recognizing the site-specific aspects of each site. Supplements Directive No. 9834.7, dated June 19, 1987.

Directive No.: 9834.7-1B
NTIS Order No.: PB91-139212/CCE
Price Code: A03

Model Information Notice Letter to Local Governments

May 7, 1991
OWPE
6 pages

Provides a model information letter used to notify local governments of EPA's activities at a Superfund site within the local jurisdiction.

Directive No.: 9834.16
NTIS Order No.: PB91-187013/CCE
Price Code: A02

Model Notice Letters

February 7, 1989
OWPE
39 pages

Presents model notice letters to be used in preparing site-specific notice letters to PRPs. The letters notify PRPs of their potential CERCLA liability.

Directive No.: 9834.10-1b
NTIS Order No.: PB91-139279/CCE
Price Code: A03

Municipal Settlements

December 6, 1989
OWPE
34 pages

Establishes EPA's interim policy on settlements involving municipal waste. Supplemented by Fact Sheet No. 9834.13FS, dated May, 1991.

Directive No.: 9834.13
NTIS Order No.: PB91-139311/CCE
Price Code: A03

Off-Site Policy RFA or Equivalent Investigation Requirement at RCRA Treatment and Storage Facilities

January 4, 1988
OWPE
2 pages

Modifies RCRA Facility Assessment criterion (an RFA must be completed) for Subtitle C treatment and storage facilities. Supplements Directive No. 9834.11 "Revised Procedures for Implementing Off-Site Response Actions," dated November 13, 1987.

Directive No.: 9834.11a
NTIS Order No.: PB91-139295/CCE
Price Code: A02

Policy Towards Owners of Residential Property at Superfund Sites

July 3, 1991
OWPE
8 pages

Explains that the Agency will not pursue owners of residential property for performance of a response action or payment of response costs.

Directive No.: 9834.6
NTIS Order No.: PB91-205476/CCE
Price Code: A02

PRP Search, Notification, and Information

Potentially Responsible Party Search

August 27, 1987
OWPE
678 pages

Explains the purpose of a potentially responsible party search, the reporting requirements of the search, and the mechanics of the tasks. Describes what is minimally acceptable for the purposes of Superfund Comprehensive Accomplishments Plan (SCAP) and the CEAT audits. Supersedes Directive No. 9834.3 and replaces Directive No. 9834.6. Supplemented by Directive No. 9834.3-2a, dated June 29, 1989.

Directive No.: 9834.3-1A
NTIS Order No.: PB87-232476/CCE
Price Code: A99

PRP Search Supplemental Guidance for Sites in the Superfund Remedial Program

June 29, 1989
OWPE
38 pages

Provides supplemental guidance on the potentially responsible party search process for Superfund remedial sites and the content and format for PRP search reports. Supplements Directive No. 9834.3-1A, dated August 27, 1987; supplemented by Fact Sheet No. 9834.3-2aFS, dated May 1991.

Directive No.: 9834.3-2a
NTIS Order No.: PB91-139162/CCE
Price Code: A03

Releasing Identities of Potentially Responsible Parties in Response to FOIA Requests

January 26, 1984
OWPE
3 pages

Provides EPA policy on responding to requests under the Freedom of Information Act (FOIA) for potentially responsible parties at CERCLA sites, and explains exceptions. Supplemented by Directive No. 9835.12 "Releasing Information to Potentially Responsible Parties at CERCLA Sites," dated March 1, 1990.

Directive No.: 9834.0
NTIS Order No.: PB91-139147/CCE
Price Code: A02

Procedural Guidance on Treatment of Insurers Under CERCLA

November 21, 1985
OWPE
63 pages

Outlines the appropriate procedures for EPA Regional Offices to follow in issuing notice letters, developing referrals, and tracking CERCLA enforcement cases that may include insurers as third-party defendants.

Directive No.: 9834.5
NTIS Order No.: PB91-139188/CCE
Price Code: A05

Releasing Guidance on Use of Alternative Dispute Resolution Techniques in Enforcement Actions

August 14, 1987
OWPE
51 pages

Explains the use and applicability of Alternative Dispute Resolution (ADR) for EPA enforcement.

Directive No.: 9834.12
NTIS Order No.: PB91-139303/CCE
Price Code: Upon Request

Revised Procedures for Implementing Off-Site Response Actions

November 13, 1987
OWPE
21 pages

Describes procedures that should be observed when a response action under CERCLA or Section 7003 of RCRA involves the off-site treatment, storage, or disposal of CERCLA waste. Supersedes Directives No. 9330.2-5 and 9330.2-6. Supplemented by Directives No. 9834.11a, dated January 4, 1988, and No. 9830.2-1, dated May 6, 1989.

Directive No.: 9834.11
NTIS Order No.: PB91-139287/CCE
Price Code: A03

Summary of "Interim Policy on CERCLA Settlements Involving Municipalities and Municipal Wastes"

May 1991
OWPE
2 pages

Summarizes the approach for addressing municipalities and municipal wastes in the Superfund settlement process. Addresses settlements with private generators and transporters of hazardous waste derived from commercial, institutional, or industrial activities. Supplements Directive No. 9834.13, dated December 6, 1989.

Directive No.: 9834.13FS
NTIS Order No.: PB91-228262/CCE
Price Code: A01

Summary of "Methodologies for Implementation of CERCLA Section 122(g)(1)(a) De Minimis Waste Contributor Settlements"

May 1991
OWPE
2 pages

Summarizes the basic steps in forming settlements with PRPs who are minimal contributors to contamination as compared to other PRPs. Lists the criteria for eligibility, communication procedures, timing costs, premiums, reopeners, and settlement options. Supplements Directive No. 9834.7-1b, dated December 20, 1989.

Directive No.: 9834.7-1bFS
NTIS Order No.: PB91-227959/CCE
Price Code: A01

Summary of "PRP Search Supplemental Guidance for Sites in the Superfund Remedial Program"

May 1991
OWPE
2 pages

Summarizes the steps involved in a thorough PRP search, including determination of liability, PRP search planning, PRP search processes, and compilation of PRP search reports.

Directive No.: 9834.3-2aFS
NTIS Order No.: PB91-228320/CCE
Price Code: A01

Timely Initiation of Responsible Party Searches, Issuance of Notice Letters, and Release of Information

September 9, 1985
OWPE
4 pages

Reemphasizes the importance of early identification of potentially responsible parties and timely issuance of notice letters for remedial investigations and feasibility studies. Clarifies Agency policy on release of site-specific information to PRPs and others. Supplements Directive No. 9835.0, dated December 5, 1984, and is superseded in part by Directive No. 9834.10, dated October 19, 1987.

Directive No.: 9834.2
NTIS Order No.: PB91-139154/CCE
Price Code: A02

Transmittal of Guidance on Use and Enforcement of CERCLA Information Requests and Administrative Subpoenas

August 25, 1988
OWPE
50 pages

Provides an overview of the information gathering tools under CERCLA Section 104(e) and 122(e)(3), and focuses on the steps to be taken throughout the information gathering process to enforce the information gathering or subpoena. Replaces Directive No. 9834.4, dated September 10, 1984, to the extent that the previous guidance addresses information gathering under CERCLA Section 104(e).

Directive No.: 9834.4A
NTIS Order No.: PB91-139170/CCE
Price Code: A04

Transmittal of Model Consent Decree for CERCLA Section 104(e) Information Request Enforcement Actions

August 29, 1990
OWPE
15 pages

Developed to further support the CERCLA 104(e) Initiative.

Directive No.: 9834.14
NTIS Order No.: PB91-193417/CCE
Price Code: A03

Waiver of Headquarters Approval for Issuance of RD/RA Special Notice Letters at the Time of ROD Signature from OERR and OWPE

September 26, 1988
OWPE
2 pages

Informs the Regions that it will no longer be necessary to obtain prior written approval from Headquarters to issue special notice letters at Record of Decision signature. Supplements Directive No. 9834.10 "Interim Guidance on Notice Letters, Negotiations, and Information Exchange," dated October 19, 1987.

Directive No.: 9834.10-1a
NTIS Order No.: PB91-139261/CCE
Price Code: A02

Litigation Support

Cost Recovery

Revised EPA Guidance on Parallel Proceedings

June 21, 1989
OWPE
21 pages

Provides guidance on simultaneous pursuit of criminal prosecutions and civil, judicial, or Agency administrative actions.

Directive No.: 9843.0
NTIS Order No.: PB91-139667/CCE
Price Code: A03

Arbitration Procedures for Small Superfund Cost Recovery Claims

September 28, 1989
OWPE
15 pages

Implements EPA's authority under CERCLA to use arbitration for cost recovery in understanding a response action.

Directive No.: 9832.17
NTIS Order No.: PB91-139071/CCE
Price Code: A03

Coordination of EPA and State Actions in Cost Recovery

August 29, 1983
OWPE
19 pages

Outlines considerations for promoting Federal/State relations in their respective cost recovery efforts. Provides guidance on preparing conditions to cooperative agreements.

Directive Number: 9832.2
NTIS Order No.: PB91-138974/CCE
Price Code: A03

Cost Recovery Actions/Statute of Limitations

June 12, 1987
OWPE
4 pages

Updates EPA's policy on timing of cost recovery action. Requests attention to accuracy of data used to brief Congress on cost recovery efforts. Encourages cost recovery action when Statute of Limitations date is approaching. Supersedes Directive No. 9832.3, dated October 7, 1985.

Directive No.: 9832.3-1A
NTIS Order No.: PB91-138982/CCE
Price Code: A02

Cost Recovery Actions Under CERCLA

August 26, 1983
OWPE
100 pages

Describes the essential elements that the government may be called upon to prove in a cost recovery action: assembly and maintenance of a file, examples of appropriate documentation for each element of the cause of action, procedures for processing and negotiating cost recovery claims, and mechanics of re-payment of recovery to the Fund.

Directive No.: 9832.1
NTIS Order No.: PB91-138966/CCE
Price Code: A06

Cost Recovery Referrals

August 3, 1983
OWPE
4 pages

Discusses procedures for EPA Regional staff in handling and documenting upcoming Section 107 cost recovery referrals in order to meet Department of Justice requirements. A list of cost recovery documents and a September 5, 1983 memorandum are attached. Supplemented by Directive No. 9832.0-1a, dated January 30, 1985.

Directive No.: 9832.0
NTIS Order No.: PB91-138941/CCE
Price Code: A02

Guidance on Documenting Decisions Not to Task Cost Recovery Actions

June 7, 1988
OWPE
6 pages

Provides information to Regional Superfund personnel on the content of close-out memoranda written for each site where EPA does not intend, on the basis of certain information, to pursue an action for cost recovery of non-reimbursed Superfund monies. Supplemented by Fact Sheet No. 9832.11FS, dated May 1991.

Directive No.: 9832.11
NTIS Order No.: PB91-139048/CCE
Price Code: A02

Guidance on Federal Superfund Liens

September 22, 1987
OWPE
8 pages

Establishes Superfund cost recovery guidance under CERCLA Section 107(1), which provides for the establishment of a Federal lien on property subject to removal or remedial action. Analyzes statutory issues regarding the nature of the lien, filing a Federal lien to support a cost recovery action, filing a notice of lien, and taking an "in rem" action to recover its costs.

Directive No.: 9832.12
NTIS Order No.: PB91-139055/CCE
Price Code: A03

Guidance Regarding CERCLA Enforcement Against Bankrupt Parties

May 24, 1984
OWPE
38 pages

Encourages aggressive enforcement against insolvent parties and ensures national consistency in current and future bankruptcy cases. Supplemented by Directive No. 9832.7-1a, which was Directive No. 9832.8, dated May 23, 1986.

Directive No.: 9832.7
NTIS Order No.: PB91-139014/CCE
Price Code: A03

Liability of Corporate Shareholders and Successor Corporations for Abandoned Sites Under CERCLA

June 13, 1984
OWPE
16 pages

Identifies legal principles for which corporate shareholders and successor corporations may be held liable for response costs resultant of a release at a hazardous waste facility.

Directive No.: 9832.10
NTIS Order No.: PB91-139030/CCE
Price Code: A03

Policy on Recovering Indirect Cost in CERCLA Section 107 Cost Recovery Actions

June 27, 1986
OWPE
7pages

Clarifies EPA's policy that the Regions seek indirect costs in existing cases after consultation with the Department of Justice and with the concurrence of EPA's Office of Enforcement Compliance and Monitoring, and Office of Waste Programs Enforcement.

Directive No.: 9832.5
NTIS Order No.: PB91-138990/CCE
Price Code: A02

Litigation Support/Cost Recovery

Procedures for Documenting Costs for CERCLA Section 107 Actions

January 30, 1985
OWPE
125 pages

Summarizes the procedures for documenting costs for CERCLA Section 107 cost recovery actions, which require the close cooperation and coordination among Headquarters and Regional programs, legal and financial offices. Used in conjunction with the Case Development Handbook. Supplements Directive No. 9832.0, and replaces Directive No. 9832.4 by number only.

Directive No.: 9832.0-1A
NTIS Order No.: PB91-138958/CCE
Price Code: A06

Revised Hazardous Waste Bankruptcy Guidance

May 23, 1986
OWPE
23 pages

Defines criteria for evaluating the merits of a potential bankruptcy referral; elaborates on the policy regarding settlement; reviews judicial decisions in automatic stay, abandonment, discharge, and claims of administrative expenses; and describes EPA's new enforcement theories. Supplements Directive No. 9832.7, dated May 24, 1984, and Directive No. 9832.0-1a, dated January 30, 1985.

Directive No.: 9832.7-1a
NTIS Order No.: PB91-139022/CCE
Price Code: A03

Small Cost Recovery Referrals

July 12, 1985
OWPE
4 pages

Clarifies EPA policy on referring CERCLA cost recovery cases valued at less than $200,000. Guides preparation of referral packages meeting Department of Justice requirements and provides guidance on situations where cost recovery of small cases is appropriate.

Directive No.: 9832.6
NTIS Order No.: PB91-139006/CCE
Price Code: A02

Summary of "Guidance on Documenting Decisions Not To Take Cost Recovery Actions"

May 1991
OWPE
1 page

Summarizes procedures for documenting a decision not to pursue cost recovery actions. Supplements Directive No. 9832.11, dated June 7, 1988.

Directive No.: 9832.11FS
NTIS Order No.: PB91-228338/CCE
Price Code: A01

Superfund Cost Recovery Strategy

July 29, 1988
OWPE
48 pages

Outlines actions to recover Federal funds expended in CERCLA response actions. Discusses general cost recovery program priorities and provides guidelines for setting priorities for efficient use of cost recovery resources.

Directive No.: 9832.13
NTIS Order No.: PB91-139063/CCE
Price Code: A04

Written Demand for Recovery of Costs Incurred under CERCLA

March 21, 1991
OWPE
33 pages

Provides guidance to help ensure that written demand is made early in order to maximize recovery of interest without creating an unduly burdensome process.

Directive No.: 9832.18
NTIS Order No.: PB91-204628/CCE
Price Code: A03

Administrative Order

Compendium of CERCLA Response Selection Guidance Documents

February 5, 1990
OWPE
37 pages

Provides the Regions with copies of and a list of each guidance document frequently used in selecting a response action. These documents are required to be referenced in each administrative record for response actions which used these documents to select an action.

Directive No.: 9833.4
NTIS Order No.: PB91-139139/CCE
Price Code: A03

Consent Orders and the Reimbursement Provision Under Section 106(b) of CERCLA

June 12, 1987
OWPE
2 pages

Provides guidance regarding terms of consent orders to preclude parties who have signed consent agreements to subsequently seek reimbursement under Section 106(b) of CERCLA.

Directive No.: 9833.2
NTIS Order No.: PB91-139113/CCE
Price Code: A02

Evaluation of, and Additional Guidance on, Issuance of Unilateral Administrative Orders (UAOs) for RD/RA

June 1991
OWPE
4 pages

Presents the results of a recent evaluation of EPA's selection process in issuing UAOs to potentially responsible parties for RD/RA under CERCLA. Gives guidance on the selection process.

Directive No.: 9833.0-2c
NTIS Order No.: PB91-201764/CCE
Price Code: A02

Final Guidance on Administrative Records for Selection of CERCLA Response Actions

December 3, 1990
OWPE
110 pages

Outlines compilation and establishment of administrative records for decisions on selection of response actions under CERCLA, as amended by SARA. Supersedes Directive No. 9833.3, dated May 29, 1987, and 9833.3A, dated March 1, 1989.

Directive No.: 9833.3A-1
NTIS Order No.: PB91-139121/CCE
Price Code: A06

Guidance on CERCLA 106(a) Unilateral Administrative Orders for Remedial Designs and Remedial Actions

March 13, 1990
OWPE
33 pages

Discusses Section 106 unilateral orders and the CERCLA remedial program, statutory requirements and policy factors for issuing Section 106 unilateral orders for remedial designs and remedial actions, key provisions of unilateral orders and specialized forms and use of such orders. Supersedes Directive No. 9833.0, dated September 8, 1983, and supplements Directive No. 9833.0-2b, dated March 30, 1990.

Directive No.: 9833.0-1A
NTIS Order No.: PB91-139089/CCE
Price Code: A03

Issuance of Administrative Orders for Immediate Removal Actions

February 21, 1984
OWPE
12 pages

Sets forth guidance on issuing administrative orders for immediate removal actions under CERCLA.

Directive No.: 9833.1
NTIS Order No.: PB91-139105/CCE
Price Code: A03

Model Unilateral Order for Remedial Design and Remedial Action

March 30, 1990
OWPE
23 pages

Explains purpose of the model as improving the quality of remedial actions performed by private parties, promoting consistency among the Regions, and to expediting potentially responsible parties (PRP)-lead cleanups at CERCLA sites. Supplements Directive No. 9833.0-1a, dated March 13, 1990.

Directive No.: 9833.0-2b
NTIS Order No.: PB91-139097/CCE
Price Code: A03

Summary of "Guidance on CERCLA Section 106(a) UAOs for RD/RA"

May 1991
OWPE
2 pages

Summarizes the procedures for issuing unilateral orders and includes statutory requirements of Section 106 orders, possible recipients of orders, case-specific considerations, procedures for issuing unilateral orders, and what to do in the case of noncompliance with an order.

Directive No.: 9833.0-1aFS
NTIS Order No.: PB91-228312/CCE
Price Code: A01

Negotiations and Settlements

Administrative Order on Consent for Remedial Investigations/Feasibility Study

February 5, 1990
OWPE
29 pages

Provides a replacement model order, designed to facilitate settlement negotiations and national consistency, issued prior to the CERCLA amendments. Supersedes Directive No. 9835.3, dated January 31, 1985, and supplements Directive No. 9835.8, dated June 2, 1989.

Directive No.: 9835.3-1A
NTIS Order No.: PB91-139378/CCE
Price Code: A03

A Comparative Analysis of Remedies Selected in the Superfund Program During FY87, FY88, and FY89

June 20, 1990
OWPE
200 pages

Determines whether differences exist between remedies selected at Fund-lead and Enforcement-lead sites. Compares sites where a remediation was conducted with Superfund money (Fund-lead), or by potentially responsible parties (PRPs) (Enforcement-lead).

Directive No.: 9835.13
NTIS Order No.: PB91-139477/CCE
Price Code: A09

EPA Interim Guidance on Indemnification of Superfund Response Action Contractors Under Section 119 of SARA

October 6, 1987
OWPE
38 pages

Provides guidance to EPA Regional personnel on EPA Superfund response action contractor indemnification, including EPA interim guidelines, procedures for processing indemnification requests, and model indemnification contract language.

Directive No.: 9835.5
NTIS Order No.: PB91-139402/CCE
Price Code: A03

Final Initiation of PRP Financed Remedial Design in Advance of Consent Decree Entry

November 18, 1988
OWPE
6 pages

Addresses a process for expediting the initiation of response work by potentially responsible parties at sites where agreements with PRPs have been reached, but where consent decrees have not been entered by the court.

Directive No.: 9835.4-2A
NTIS Order No.: PB91-139394/CCE
Price Code: A02

Guidance on CERCLA Section 106 Judicial Actions

February 24, 1989
OWPE
8 pages

Provides criteria for consideration in selecting and initiating CERCLA Section 106 judicial actions. Identifies and discusses issues that should be considered in preparation of a Section 106 referral.

Directive No.: 9835.7
NTIS Order No.: PB91-139428/CCE
Price Code: A03

Guidance on Drafting Consent Decrees in Hazardous Waste Cases

June 1, 1985
OWPE
11 pages

Focuses on the consent decree provisions vital to settlement in hazardous waste cases, yet handled differently under other programs. Supplements Directive No. 9835.0, dated December 5, 1984, and Directive No. 9835.2b, dated September 27, 1989.

Directive No.: 9835.2
NTIS Order No.: PB91-139345/CCE
Price Code: A03

Guidance on Oversight of Potentially Responsible Party Remedial Investigations and Feasibility Studies, Volume 1

June , 1991
OWPE
127 pages

Volume 1 addresses the oversight of remedial investigations and feasibility studies conducted by potentially responsible parties in accordance with OSWER. Volume 2 describes the oversight of sampling and analysis activities, and well drilling and installation activities.

Directive No.: 9835.1c
EPA/540/G-91/010a
NTIS Order No.: PB91-228361/CCE
Price Code: A07

Guidance on Oversight of Potentially Responsible Party Remedial Investigations and Feasibility Studies, Volume 2 Appendices

June 1991
OWPE
196 pages

Directive No.: 9835.1d
EPA/540/G-91/010b
NTIS Order No.: PB91-228379/CCE
Price Code: A09

Guidance on Premium Payments in CERCLA Settlements

November 17, 1988
OWPE
15 pages

Describes the key features of a premium payment settlement, considerations regarding timing of the settlement, and the factors involved in deciding whether a premium should be accepted.

Directive No.: 9835.6
NTIS Order No.: PB91-139410/CCE
Price Code: A03

Guidance on Preparing and Releasing Waste-in Lists and Volumetric Rankings for Information Release Under CERCLA Section 122(e)

February 22, 1991
OWPE
30 pages

Provides guidance on the compilation and release of waste-in lists and volumetric rankings to help Regions comply with the information release requirements of CERCLA Section 122(e), and the information exchange and release policies outlined in OSWER Directives No. 9835.12 and No. 9834.10.

Directive No.: 9835.16
NTIS Order No.: PB91-187005/CCE
Price Code: A03

Litigation Support/Negotiations and Settlements

Guidance on the Use of Stipulated Penalties in Hazardous Waste Consent Decrees

September 27, 1989
OWPE
18 pages

Provides guidance on the use of stipulated penalties in hazardous waste consent decrees. Supplements Directive No. 9835.2, dated June 1, 1985.

Directive No.: 9835.2b
NTIS Order No.: PB91-139360/CCE
Price Code: A03

Interim CERCLA Settlement Policy

December 5, 1984
OWPE
21 pages

Governs private party cleanup and contribution proposals under CERCLA. Superseded by Directive No. 9835.12, dated March 1, 1990, and supplemented by Directives No. 9835.2, dated June 1, 1985, and No. 9834.2, dated September 9, 1985.

Directive No.: 9835.0
NTIS Order No.: PB91-139329/CCE
Price Code: A03

Interim Guidance on Potentially Responsible Party Participation in Remedial Investigations and Feasibility Studies

May 16, 1988
OWPE
34 pages

Sets forth policies governing potentially responsible party participation in the remedial investigations and feasibility studies process. Supersedes Directive No. 9835.1, dated March 3, 1984, and supplemented by Directive No. 9835.2A, dated February 7, 1989.

Directive No.: 9835.1a
NTIS Order No.: PB91-139337/CCE
Price Code: A03

Interim Guidance: Streamlining the Settlement Decision Process

February 12, 1987
OWPE
11 pages

Provides guidance to streamline and improve the CERCLA settlement decision process. Addresses three areas of the settlement process: negotiation preparation, management review, and criteria for terminating or continuing negotiations.

Directive No.: 9835.4
NTIS Order No.: PB91-139386/CCE
Price Code: A03

Landowner Liability Under Section 107(a)(1) of CERCLA, De Minimis Settlement Under 122(g)(1)(B) of CERCLA, and Settlements with Prospective Purchasers

June 6, 1989
OWPE
56 pages

Analyzes the language in CERCLA Sections 107(b)(3) and 101(35), which provide landowners with certain defenses to CERCLA liability, and CERCLA Section 122(g)(1)(B), which gives the Agency authority for settlements with de minimis landowners. Supplemented by 9835.9FS, dated May, 1991.

Directive No.: 9835.9
NTIS Order No.: PB91-139444/CCE
Price Code: A04

Model Litigation Report for CERCLA Sections 106 and 107 and RCRA Section 7003

June 21, 1989
OWPE
47 pages

Provides guidance on preparation of civil judicial litigation referral reports for cases to be referred to the Department of Justice under CERCLA Sections 106 and 107 and RCRA Section 7003.

Directive No.: 9835.11-1
NTIS Order No.: PB91-139451/CCE
Price Code: A03

Model Statement of Work for a Remedial Investigation and Feasibility Study Conducted by Potentially Responsible Parties

June 2, 1989
OWPE
24 pages

Directs potentially responsible parties in performing tasks required to complete a remedial investigation and feasibility study. Supplements Directives No. 9355.3-01 and No. 9835.3-1A, dated February 5, 1990.

Directive No.: 9835.8
NTIS Order No.: PB91-139436/CCE
Price Code: A03

Performance of Risk Assessments in Remedial Investigation/Feasibility Studies (RI/FSs) Conducted by PRPs

August 28, 1990
OWPE
4 pages

Provides initial guidance on implementing EPA's decision to develop risk assessments for sites remediated under CERCLA.

Directive No.: 9835.15
NTIS Order No.: PB91-139493/CCE
Price Code: A02

Releasing Information to Potentially Responsible Parties at CERCLA Sites

March 1, 1990
OWPE
4 pages

Presents Agency policy on releasing information to facilitate settlements to potentially responsible parties (PRP) at CERCLA sites. Partially supersedes Directive No. 9835.0 and supplements Directives No. 9834.0 and No. 9834.10, dated October 19, 1987. Supplemented by Fact Sheet No. 9835.12FS, dated May 1991.

Directive No.: 9835.12
NTIS Order No.: PB91-139469/CCE
Price Code: A02

Revisions to the Interim Guidance on PRP Participation in Remedial Investigations and Feasibility Studies

February 7, 1989
OWPE
37 pages

Sets forth policies governing potentially responsible party participation in the remedial investigation and feasibility study process. Supersedes Directives No. 9835.1, and No. 9355.3-01.

Directive No.: 9835.2A
NTIS Order No.: PB91-139352/CCE
Price Code: A03

Submittal of Ten-Point Settlement Analyses for CERCLA Consent Decrees

August 11, 1989
OWPE
30 pages

Provides guidance to help ensure the adequacy of information provided in the "ten-point" analyses of proposed CERCLA settlements.

Directive No.: 9835.14
NTIS Order No.: PB91-139485/CCE
Price Code: A03

Summary of "Interim Guidance: Streamlining the CERCLA Settlement Decision Process"

May 1991
OWPE
2 pages

Summarizes negotiation preparation, review of settlement decisions, and deadline management, procedures that facilitate the process of conducting settlement discussions.

Directive No.: 9835.4FS
NTIS Order No.: PB91-228270/CCE
Price Code: A01

Litigation Support/Negotiations and Settlements

Supplemental Guidance on Performing Risk Assessments in Remedial Investigation/ Feasibility Studies (RI/FSs) Conducted by Potentially Responsible Parties

July 1991
OWPE
108 pages

Provides additional guidance on EPA's policy of not entering into settlement agreements where PRPs perform the risk assessment components of the RI/FS. Provides direction on coordinating the site characterization tasks and feasibility study prepared by the PRP, when the baseline is performed by EPA.

Directive No.: 9835.15a
NTIS Order No.: PB91-205526/CCE
Price Code: A06

Summary of "Guidance on Landowner Liability under Section 107(a)(1) of CERCLA, De Minimis Settlements under Section 122(g)(1)(b) of CERCLA, and Settlements with Prospective Purchasers of Contaminated Property"

May 1991
OWPE
2 pages

Summarizes policy on landowners' eligibility rights for a release from liability and for a de minimis settlement. Describes the Agency's policy on prospective purchasers of contaminated property. Supplements Directive No. 9834.9, dated October 20, 1987.

Directive No.: 9835.9FS
NTIS Order No.: PB91-228288/CCE
Price Code: A01

Summary of "Releasing Information to Potentially Responsible Parties at CERCLA Sites"

May 1991
OWPE
1 page

Summarizes EPA's policy on releasing information to PRPs. Supplements Directive No. 9823.12, March 1, 1990.

Directive No.: 9835.12FS
NTIS Order No.: PB91-228296/CCE
Price Code: A01

Case Management

Enforcement Project Management Handbook: FY 1991 Update

February 8, 1991
OWPE
510 pages

Updates the basic reference and training manual to assist RPMs and OSCs in planning, negotiating, and managing various enforcement actions. Supersedes Directive No. 9837.2, the July and September 1989 Handbooks.

Directive No.: 9837.2A
NTIS Order No.: PB91-186999/CCE
Price Code: A22

Preparation of Hazardous Waste Referrals

July 30, 1985
OWPE
8 pages

Discusses the implementation of the Case Management Handbook. Indicates that filing by the Department of Justice has been delayed in some cases.

Directive No.: 9837.1
NTIS Order No.: PB91-139543/CCE
Price Code: A02

RCRA/CERCLA Case Management Handbook

August 8, 1984
OWPE
142 pages

Provides guidance to enforcement personnel at EPA Headquarters and Regional offices, as well as the Department of Justice, on the development and management of RCRA and CERCLA judicial actions. Addresses identifying cases for referral, pre-referral case development, preparation of referrals, case management, and technical support for litigation.

Directive No.: 9837.0
NTIS Order No.: PB91-139535/CCE
Price Code: Upon Request

NBARs

Interim Guidelines for Preparing Nonbinding Preliminary Allocations of Responsibility

May 16, 1987
OWPE
11 pages

Presents guidelines under Section 122(e) of SARA for preparing nonbinding preliminary allocations of responsibility (NBARs), an allocation made by EPA among potentially responsible parties of percentages of total response costs at a Superfund site. Supplemented by Fact Sheet 9839.1FS, dated May 1991.

Directive No.: 9839.1
NTIS Order No.: PB91-139568/CCE
Price Code: A03

Summary of "Interim Guidelines for Preparing NBARs"

May 1991
OWPE
2 pages

Summarizes the procedures for preparing NBARs, including when to use NBARs, and how to prepare them. Also offers bases on NBARs. Supplements Directive No. 9839.1, dated May 16, 1987.

Directive No.: 9839.1FS
NTIS Order No.: PB91-228304/CCE
Price Code: A01

Penalties

Federal Register Notice Entitled Environmental Protection Agency: Administrative Penalty Procedures; Interim Final Rule

May 16, 1989
OWPE
5 pages

Establishes procedures for the administrative assessment of civil penalties under CERCLA and the Emergency Planning and Community Right-to-Know Act (EPCRA). Provides guidance for conducting all proceedings for the administrative assessment of a civil penalty under CERCLA or EPCRA. Supersedes Directive No. 9841.1, dated July 16, 1987.

Directive No.: 9841.1A
NTIS Order No.: PB91-139626/CCE
Price Code: A02

Final Penalty Policy for Sections 302, 303, 304, 311, and 312 of the Emergency Planning and Community Right-to-Know Act and Section 103 of CERCLA

June 13, 1990
OWPE
37 pages

Transmits the Final Penalty Policy for the Emergency Planning and Community Right-to-Know Act (EPCRA) Sections 302-312 and CERCLA Section 103. Calculates penalties in administrative complaints and determines the minimum acceptable settlement amount in civil judicial cases.

Directive No.: 9841.2
NTIS Order No.: PB91-139634/CCE
Price Code: A03

Interim Enforcement Strategy for Enforcement of Title III and CERCLA Section 103 Notification Requirements

December 14, 1988
OWPE
36 pages

Provides the Regions with an overall strategy to enforce the Title III reporting requirements, relating to Sections 302-312 of CERCLA, and the CERCLA emergency notification requirement.

Directive No.: 9841.0
NTIS Order No.: PB91-139618/CCE
Price Code: A03

Referrals

Expanded Civil Judicial Referral Procedures

August 28, 1986
OWPE
14 pages

Expands the current direct referral program, indicates that Headquarters should not establish mandatory requirements for pre-referral negotiations, mandates the use of "hold action" cases only for strategic or tactical reasons, and offers guidance on the preparation of bankruptcy cases. Supplemented by Directive No. 9891.1-1a, dated June 12, 1989.

Directive No.: 9891.1
NTIS Order No.: PB91-139766/CCE
Price Code: A03

Expansion of Direct Referral of Cases to the Department of Justice

January 14, 1988
OWPE
16 pages

Provides guidance to EPA Headquarters and Regional personnel regarding implementing the expanded direct referral agreement. Supersedes the memorandum "Implementation of Direct Referrals for Civil Cases Beginning December 1, 1983," dated November 28, 1983.

Directive No.: 9891.5A
NTIS Order No.: PB91-139790/CCE
Price Code: A03

Final EPA Policy on the Inclusion of Environmental Auditing Provisions in Enforcement Settlements

November 14, 1987
OWPE
70 pages

Provides Agency enforcement personnel with general criteria for and guidance on selecting judicial and administrative enforcement cases in which EPA will seek to include environmental auditing provisions among terms of any settlement.

Directive No.: 9891.3
NTIS Order No.: PB91-139782/CCE
Price Code: A04

Multi-Media Settlements of Enforcement Claims

February 6, 1990
OWPE
7 pages

Explains EPA policy disfavoring judicial and administrative settlements which include releases of potential enforcement claims.

Directive No.: 9891.6
NTIS Order No.: PB91-139808/CCE
Price Code: A02

Procedures for Transmittal of CERCLA and RCRA Civil Judicial Enforcement Case Packages to Headquarters

June 12, 1989
OWPE
2 pages

Clarifies which CERCLA and RCRA referral and settlement documents are to be sent to whom at Headquarters. Supplements Directive No. 9891.1 "Expanded Civil Judicial Referral Procedures," dated August 28, 1986.

Directive No.: 9891.1-1a
NTIS Order No.: PB91-139774/CCE
Price Code: A02

Program Implementation

Entry and Access

Entry and Continued Access Under CERCLA

June 5, 1987
OWPE
16 pages

Describes EPA's policy on entry and continued access to facilities by EPA officers, employees, and representatives for purposes of response and civil enforcement activities under CERCLA.

Directive No.: 9829.2
NTIS Order No.: PB91-138867/CCE
Price Code: A03

Policy for Enforcement Actions Against Transporters Under CERCLA

December 23, 1985
OWPE
8 pages

Defines parties which are liable for response costs under Section 107(A)(4) of CERCLA, including persons who transport hazardous substances to disposal or treatment facilities.

Directive No.: 9829.0
NTIS Order No.: PB91-138859/CCE
Price Code: A02

Oversight

Regional Oversight of Federal Facility Clean-ups Under CERCLA

November 25, 1985
OWPE
5 pages

Reemphasizes the importance of oversight of Federal facilities. Outlines Regional roles and responsibilities for Federal facilities oversight.

Directive No.: 9830.2
NTIS Order No.: PB91-138875/CCE
Price Code: A02

State Enforcement

Authority to Use CERCLA to Provide Enforcement Funding Assistance to States

February 12, 1986
OWPE
2 pages

Transmits February 13, 1986, Office of General Counsel opinion to EPA Regional offices, authorizing CERCLA funding of State negotiation and litigation activities at NPL sites.

Directive No.: 9831.5
NTIS Order No.: PB91-138909/CCE
Price Code: A01

Counting State-Lead Enforcement NPL Sites Toward the CERCLA Section 116(e) Remedial Action Start Mandate

October 21, 1988
OWPE
5 pages

Outlines the criteria and procedures for counting State-lead enforcement National Priorities List sites toward the CERCLA Section 116(e) remedial action start mandate. Supplements the OERR Directive No. 9355.0-24 "OSWER Strategy for Management Oversight of the CERCLA Remedial Action Start Mandate," dated December 28, 1987.

Directive No.: 9831.8
NTIS Order No.: PB91-138933/CCE
Price Code: A02

Funding of State Enforcement Related Activities

January 23, 1985
OWPE
5 pages

Announces that funding can be provided to support a limited number of enforcement-related activities, based on the July 20, 1985, Office of General Counsel opinion.

Directive No.: 9831.4
NTIS Order No.: PB91-138891/CCE
Price Code: A02

Interim Final Guidance Package on Funding CERCLA State Enforcement Actions at NPL Sites

April 7, 1988
OWPE
38 pages

Outlines requirements, conditions, and limitations for State funding under a CERCLA cooperative agreement of enforcement actions at National Priorities List sites. This guidance is divided into four subcomponents: 9831.6 a, b, c, and d. Supersedes the following three directives: Directive No. 9831.1-1a, dated October 1, 1986; Directive No. 9831.3, dated October 2, 1984; and Directive No. 9831.3a, dated October 10, 1986.

Directive No.: 9831.6a-6d
NTIS Order No.: PB91-138917/CCE
Price Code: A03

Program Implementation/State Enforcement

Questions and Answers About the State Role in Remedy Selection at Non-Funded-Financed State-Lead Enforcement Sites

April 18, 1991
OWPE
6 pages

Describes circumstances under which States may select and implement a remedy at NPL sites without first obtaining EPA concurrence.

Directive No.: 9831.9
NTIS Order No.: PB91-187039/CCE
Price Code: A02

Reporting and Exchange of Information on State Enforcement Actions at National Priorities List Sites

March 14, 1986
OWPE
15 pages

Outlines the need for EPA Headquarters to report information on State-lead enforcement sites in order to facilitate Federal oversight and review of State actions. Includes results of current State-lead enforcement data on EPA systems, and a list of additional data requirements that should be addressed.

Directive No.: 9831.2
NTIS Order No.: PB91-138883/CCE
Price Code: A03

Supporting State Attorneys General CERCLA Remedial and Enforcement Activities at NPL Sites

June 21, 1988
OWPE
6 pages

Reaffirms role of State-lead agency for award of cooperative agreements, and states that funds can be available to State Attorneys General via pass through from the lead agency. Describes the three types of cooperative agreements that can be passed through the State-lead agency to the State Attorney General. Supplements Directives No. 9831.6a-6d, dated April 7, 1988.

Directive No.: 9831.7
NTIS Order No.: PB91-138925/CCE
Price Code: A02

Community Relations

CERCLA Community Relations Mailing Lists

February 6, 1989
OWPE
6 pages

Emphasizes the importance of using community relations mailing lists to ensure the notification of potentially responsible parties.

Directive No.: 9836.2
NTIS Order No.: PB91-139527/CCE
Price Code: A02

Community Relations During Enforcement Activities and Development of the Administrative Record

November 3, 1988
OWPE
22 pages

Discusses developing community relations plans, the relationship between the administrative record for response selection and community relations, and community relations during specific enforcement actions and settlements. Supersedes Directive No. 9836.0, dated March 25, 1985.

Directive No.: 9836.0-1A
NTIS Order No.: PB91-139519/CCE
Price Code: A03

Petroleum

Scope of the CERCLA Petroleum Exclusion Under Sections 101(14) and 104(a)(2)

July 31, 1987
OWPE
15 pages

Discusses whether contaminants in used oil or any other petroleum substances are within the petroleum exclusion.

Directive No.: 9838.1
NTIS Order No.: PB91-139550/CCE
Price Code: A03

Training

CERCLA Implementation of Inspector Training Requirements for OSCs/RPMs at the Intermediate Level in STEP and First-Line Supervisors

April 3, 1991
OWPE
6 pages

Provides guidance on how two groups of CERCLA staff can meet or be exempted from the training requirements of EPA Order 3500.1 Inspector Training. Supplements Directive No. 9842.0, dated November 28, 1988.

Directive No.: 9842.2
NTIS Order No.: PB91-187021/CCE
Price Code: A02

Guidance on Applicability of EPA Order 3500.1 to CERCLA Staff

November 28, 1988
OWPE
6 pages

Defines, through guidance to the Regions, which CERCLA staff are subject to the requirements of EPA Order 3500.1. Supplemented by Directive No. 9842.2, dated April 3, 1991.

Directive No.: 9842.0
NTIS Order No.: PB91-139642/CCE
Price Code: A02

Risk Assessments

Chemical, Physical, and Biological Properties of Compounds Present at Hazardous Waste Sites

September 27, 1985
OWPE
543 pages

Assists Regional personnel involved in the case development process; characterizes pollutants found at hazardous waste sites; and describes the modes of toxic action and the concentrations of those chemicals that may have caused toxic effects.

Directive No.: 9850.3
NTIS Order No.: PB89-132203/CCE
Price Code: A23

Endangerment Assessment Guidance

November 22, 1985
OWPE
10 pages

Provides guidance on the content, timing, level of detail, format, and resources required for the preparation of endangerment assessments. Supplemented by Directive No. 9850.1 "Endangerment Assessment Handbook," dated November 22, 1985.

Directive No.: 9850.0-1
NTIS Order No.: PB91-139675/CCE
Price Code: A03

Endangerment Assessment Handbook

November 22, 1985
OWPE
141 pages

Provides guidance on how to develop an endangerment assessment and discusses the level of detail that is required. Also addresses how the assessment may be affected by various site-specific enforcement concerns. Supplemented by Directive No. 9850.0-1 "Endangerment Assessment Guidance," dated November 22, 1985.

Directive No.: 9850.1
NTIS Order No.: PB91-139683/CCE
Price Code: A07

General Toxicology Handbook

September 20, 1985
OWPE
177 pages

Explains the principles of toxicology relevant to hazardous waste site investigation to a non-toxicologist.

Directive No.: 9850.2
NTIS Order No.: PB91-228767/CCE
Price Code: A09

Program Management

General

Enforcement Response Policy

December 21, 1987
OWPE
31 pages

Updates guidance on classifying violations, selecting enforcement in response to RCRA violators, and taking Federal enforcement action in States with authorized programs. Supersedes Directive No. 9900.0 "Enforcement Response Policy," dated December 21, 1984.

Directive No.: 9900.0-1A
NTIS Order No.: PB91-139816/CCE
Price Code: A03

Low-Level Mixed Waste: A RCRA Perspective for NRC Licensees

August 1990
OWPE
32 pages

Presents an overview of RCRA requirements for commercially-generated low-level mixed waste. Designed for Nuclear Regulatory Commission (NRC) licensees who may not be familiar with EPA regulations that apply to their waste products.

Directive No.: 9998.0
NTIS Order No.: PB91-228387/CCE
Price Code: A03

Revised RCRA Civil Penalty Policy

October 26, 1990
OWPE
110 pages

Guides calculation and civil penalties documentation for administrative and civil judicial proceedings at settlement. Supersedes OSWER Directive No. 9900.1, "Final RCRA Civil Penalty Policy," dated May 8, 1984.

Directive No.: 9900.1A
NTIS Order No.: PB91-139824/CCE
Price Code: A06

SPMS

SPMS Targets for RCRA Enforcement FY87

July 25, 1986
OWPE
8 pages

Notifies Regions requesting submission of inspection targets for RCRA by August 8, 1986, to facilitate development of Headquarters SPMS targets.

Directive No.: 9971.0
NTIS Order No.: PB91-140210/CCE
Price Code: A02

Inspection and Information Gathering

Enforcement Strategy for the Land Disposal Restriction First Third Rule

January 23, 1989
OWPE
4 pages

Presents guidelines in identifying the affected universe, targeting inspections, and reviewing soft hammer certifications and demonstrations submitted to EPA. Ensures that the most significant violations of the Land Disposal Restriction (LDR) program are addressed. Only parts 1, 5, and 6 have been released to the public.

Directive No.: 9938.5
NTIS Order No.: PB91-140079/CCE
Price Code: Upon Request

Inspection Authority Under Section 3007 of RCRA

April 17, 1986
OWPE
9 pages

Provides Office of General Counsel information concerning the scope of the Agency's inspection authority.

Directive No.: 9938.0
NTIS Order No.: PB91-140061/CCE
Price Code: A03

RCRA Compliance/Enforcement Guidance Manual

September 28, 1984
OWPE
414 pages

Provides information on the substantive and procedural requirements necessary to ensure compliance and prepare enforcement cases under RCRA. Supplements: (1) Directive No. 9837.0 "RCRA/CERCLA Case Management Handbook;" (2) "Superfund Guidance Manual;" and (3) Directive No. 9938.2 "The RCRA Inspection Manual."

Directive No.: 9938.7
NTIS Order No.: PB91-140087/CCE
Price Code: Upon Request

RCRA Inspection Manual

April 22, 1988
OWPE
376 pages

Guides RCRA inspectors on proper procedure for compliance evaluation inspections (CEI) at RCRA generators and both interim status and permitted treatment, storage, and disposal facilities. Replaces Directive No. 9938.2, dated July 24, 1981.

Directive No.: 9938.2a
NTIS Order No.: PB89-208169/CCE
Price Code: A17

Treatment, Storage, and Disposal

Financial Responsibility

Enforcement of Financial Responsibility Requirements for RCRA Treatment, Storage, and Disposal Facilities that are Closing

April 20, 1987
OWPE
5 pages

Describes the process for determining whether RCRA treatment, storage, and disposal facilities that did not establish financial assurance may use a more flexible schedule to meet closure and post-closure costs. Supplements Directive No. 9901.0, dated October 29, 1988, and Directive No. 9901.1, dated December 16, 1985.

Directive No.: 9901.1a
NTIS Order No.: PB91-139857/CCE
Price Code: A02

Enforcement of Liability Requirements for Operating RCRA Treatment, Storage, and Disposal Facilities

October 29, 1988
OWPE
6 pages

Clarifies EPA's enforcement of financial responsibility under RCRA at operating treatment, storage, and disposal facilities that did not lose interim status for failure to make the required certifications on November 8, 1985. Supplemented by Directive No. 9901.1a, dated April 20, 1987.

Directive No.: 9901.0
NTIS Order No.: PB91-139832/CCE
Price Code: A02

Guidance for Public Involvement in RCRA Section 3008(h) Actions

May 5, 1987
OWPE
8 pages

Provides guidance on public involvement actions taken under Section 3008(h) of RCRA.

Directive No.: 9901.3
NTIS Order No.: PB91-139865/CCE
Price Code: A02

RCRA Section 3008(h): The Interim Status Corrective Action Authority

December 16, 1985
OWPE
22 pages

Discusses current delegations of authority, and requirements and procedures for administrative enforcement; suggests situations appropriate for civil judicial action; and describes the relationship between Section 3008(h) actions and authorities relevant to corrective action. Supplemented by Directive No. 9901.1a, dated April 20, 1987.

Directive No.: 9901.1
NTIS Order No.: PB91-139840/CCE
Price Code: A03

Ground Water

Executive Ground Water Monitoring Technical Enforcement Guidance Document (TEGD)

July 1, 1988
OWPE
14 pages

Summarizes the TEGD and supplements Directive No. 9950.1 "RCRA Ground-Water Monitoring Technical Enforcement Guidance Document," dated September 9, 1986.

Directive No.: 9950.1-a
NTIS Order No.: PB91-140186/CCE
Price Code: A03

Final RCRA Comprehensive Ground Water Monitoring Evaluation (CME) Guidance Document

December 19, 1986
OWPE
56 pages

Provides framework for evaluating ground water monitoring systems under RCRA. Contains detailed checklist.

Directive No.: 9950.2
NTIS Order No.: PB91-140194/CCE
Price Code: A04

RCRA Ground Water Monitoring Compliance Order Guidance

August 1985
OWPE
128 pages

Provides administrative guidance for correcting ground water problems including a technical and legal strategy for compelling facilities to determine rate of leakage, an explanation of the ground water monitoring regulation and a comparison of available order authorities, technical remedies for incorporation in orders, and a model ground water order.

Directive No.: 9931.1
NTIS Order No.: PB87-193710/CCE
Price Code: A07

RCRA Ground Water Monitoring Technical Enforcement Guidance Document (TEGD)

September 9, 1986
OWPE
317 pages

Identifies an adequate RCRA ground water monitoring system. Consolidates EPA policy on: characterization of the hydrogeology at the site; design and installation of detection monitoring system; well construction methods and materials; ground water sampling and analysis; statistical analysis of detection monitoring data; and the design of assessment monitoring systems.

Directive No.: 9950.1
NTIS Order No.: PB91-140178/CCE
Price Code: A15

RCRA Policies on Ground Water Quality at Closure

August 27, 1985
OWPE
3 pages

Guides RCRA closure policies as affected by Hazardous and Solid Waste Amendments (HSWA), especially in terms of ground water quality.

Directive No.: 9905.1
NTIS Order No.: PB91-139923/CCE
Price Code: A02

Transmittal of the RCRA Ground Water Enforcement Strategy

July 22, 1985
OWPE
23 pages

Provides strategy to improve compliance at land disposal facilities subject to ground water monitoring requirements; establishes a nationally consistent baseline of information on land disposal facilities; and assists Regions in implementing Regionally-specific efforts.

Directive No.: 9905.0
NTIS Order No.: PB91-139915/CCE
Price Code: A03

Interim Status

Interim Status Under Section 3005(e) of RCRA

March 14, 1981
OWPE
5 pages

Discusses acquisition of interim status by hazardous waste management facilities.

Directive No.: 9935.0
NTIS Order No.: PB91-140004/CCE
Price Code: A02

RCRA Section 3005(e): Continuous Operation of Hazardous Facilities by Owners and Operators Who Failed to Achieve Interim Status

July 31, 1981
OWPE
19 pages

Provides guidance for enforcement on handling facilities that miss the notice and application filing deadlines for interim status pursuant to RCRA Section 3005(e).

Directive No.: 9935.1
NTIS Order No.: PB91-140012/CCE
Price Code: A03

Loss of Interim Status

Accepting Nonhazardous Waste After Losing Interim Status

December 20, 1986
OWPE
4 pages

Provides guidance to land disposal facilities concerning accepting nonhazardous wastes after losing interim status on November 18, 1985. Supplements Directive No. 9930.0-1, dated November 15, 1985, and Directive No. 9930.0-1a, dated November 15, 1985. Replaces Directive No. 9930.1 by directive number only.

Directive No.: 9930.0-2a
NTIS Order No.: PB91-139956/CCE
Price Code: A01

Implementation of EPA Criminal Enforcement Strategy for RCRA Interim Status Facilities

November 15, 1985
OWPE
4 pages

Discusses criminal enforcement priorities and procedures related to the RCRA Section 3007(e)(2) Loss of Interim Status (LOIS) provision. Supplements Directive No. 9930.0-1, dated October 15, 1985. Supplemented by Directive No. 9930.0-2a, dated December 20, 1986.

Directive No.: 9930.0-1a
NTIS Order No.: PB91-139949/CCE
Price Code: A02

RCRA Loss of Interim Status Enforcement Strategy

November 15, 1985
OWPE
14 pages

Guides the enforcement and implementation of the loss of interim status provision. Supplemented by Directives No. 9930.0-1a, dated November 15, 1985, and No. 9930.0-2a, dated December 20, 1986.

Directive No.: 9930.0-1
NTIS Order No.: PB91-139931/CCE
Price Code: A03

Land Disposal Restrictions

Land Disposal Restrictions (Summary of Requirements)

February 1, 1991
OWPE
88 pages

Provides "treatment standards" of the Land Disposal Restrictions, developed by EPA as required by HSWA, that diminish the toxicity of wastes or reduce the likelihood that hazardous constituents will migrate from disposal sites.

Directive No.: 9934.0-1A
NTIS Order No.: PB91-190835/CCE
Price Code: A05

Part B and Permitting

Enforcement of Authorized State Laws Pursuant to 40 CFR 271.19 - Formal Comments on State Requirements Applicable to Facility Permits

January 24, 1989
OWPE
4 pages

Encourages the Regions to submit comment letters on State-issued permits under 40 CFR 271.19 if a State permit condition is inconsistent with the approved State RCRA program, and provides guidance on drafting the comment letters.

Directive No.: 9936.3
NTIS Order No.: PB91-140053/CCE
Price Code: A02

Final Administrative Hearing Procedures for RCRA Section 3008(h)

February 19, 1987
OWPE
21 pages

Provides guidance on administrative hearing procedures for requiring corrective action under RCRA Section 3008(h).

Directive No.: 9936.2
NTIS Order No.: PB91-140046/CCE
Price Code: A03

Guidance on Developing Compliance Orders Under Section 3008 of RCRA; Failure to Submit an Incomplete Part B Permit

September 9, 1983
OWPE
7 pages

Provides guidance for the following: issuance of Notice of Deficiency (40 CFR 124.3(c)); warning letters; compliance orders; denying permits; penalty assessment; and reduction during negotiations. Supplemented by Directive No. 9936.0, dated November 29, 1984.

Directive No.: 9936.1
NTIS Order No.: PB91-140038/CCE
Price Code: A03

Part B Permit Applications with Insufficient Ground Water Monitoring Data

November 29, 1984
OWPE
5 pages

Provides guidance to Regions concerning mechanisms which prevent deficiencies in ground water monitoring data. Supplements general guidance set out in Directive No. 9936.1, dated September 9, 1983.

Directive No.: 9936.0
NTIS Order No.: PB91-140020/CCE
Price Code: A02

Overfiling

Guidance on RCRA Overfiling

May 19, 1986
OWPE
14 pages

Provides guidance on overfiling a State's authority in RCRA enforcement actions when a State has failed to act promptly or appropriately.

Directive No.: 9939.0
NTIS Order No.: PB91-140095/CCE
Price Code: A03

Waste Management and Enforcement

PCBs

Policy for Managing Leachate at PCB Landfills

January 16, 1987
OWPE
13 pages

Sets forth requirements that apply to owners and operators of TSCA-approved landfills with regard to the management of PCB-containing leachates.

Directive No.: 9903.1
NTIS Order No.: PB91-139907/CCE
Price Code: A03

Medical Wastes

Medical Waste Enforcement Strategy

January 3, 1989
OWPE
17 pages

Assists the Regions and States in implementing the medical waste tracking program. Clarifies EPA and State roles, outlines tracking and reporting requirements, and presents guidelines for prioritizing enforcement.

Directive No.: 9933.0
NTIS Order No.: PB91-139998/CCE
Price Code: A03

Waste Oil

Transmittal of the Final Waste Oil Interim Enforcement Guidance Document

December 30, 1986
OWPE
176 pages

Provides technical guidance on the enforcement of current waste-as-fuels regulations.

Directive No.: 9951.1
NTIS Order No.: PB91-140202/CCE
Price Code: A04

Program Implementation

Corrective Action

Guidance on RCRA Correction Action Decision Documents: The Statement of Basis, Final Decision, and Response to Comments

February 19, 1991
OWPE
60 pages

Presents standard formats for documenting RCRA corrective action decisions, and clarifies the roles and responsibilities of the regulatory agency in developing and issuing decision documents.

Directive No.: 9902.6
EPA/540/G-91/011
NTIS Order No.: PB91-201756/CCE
Price Code: A04

RCRA Corrective Action Interim Measures

June 10, 1987
OWPE
31 pages

Determines the need for an interim measure and direction for the work necessary as part of the correction program to mitigate or remove the exposure threat presented by releases.

Directive No.: 9902.4
NTIS Order No.: PB91-139881/CCE
Price Code: A03

RCRA Corrective Action Plan

November 14, 1986
OWPE
70 pages

Determines and directs necessary work as part of a complete corrective program. Provides a technical framework during the development of corrective orders and corrective action permit requirements.

Directive No.: 9902.3
NTIS Order No.: PB91-139873/CCE
Price Code: A04

Section 3008(h) Module Order on Consent

January 19, 1988
OWPE
22 pages

Contains vernacular to assist Regional personnel with drafting Section 3008(h) consent orders. Deals with jurisdiction, findings of fact, and conclusions of law and determinations.

Directive No.: 9902.5
NTIS Order No.: PB91-139899/CCE
Price Code: A03

Environmental Priorities Initiative

Guidance for Environmental Priorities Initiative (EPI) Facilities in the Superfund Pre-Remedial Program

January 31, 1989
OWPE
6 pages

Guides Regions and States on prioritizing RCRA regulated facilities using EPI modeling method. Supplemented by Directive No. 9932.0, dated May 31, 1988.

Directive No.: 9932.1
NTIS Order No.: PB91-139980/CCE
Price Code: A02

Method for Prioritizing CERCLA Preliminary Assessments at RCRA Facilities

May 31, 1988
OWPE
23 pages

Summarizes the Environmental Priorities Initiative purpose and process for distribution to the public.

Directive No.: 9932.0
NTIS Order No.: PB91-139972/CCE
Price Code: A03

Administrative Order

Criteria for Elimination of Headquarters' Concurrence on Selected RCRA Section 3008(h) Orders

June 26, 1987
OWPE
7 pages

Describes the criteria developed for eliminating Headquarters concurrence on 3008(h) orders.

Directive No.: 9940.3
NTIS Order No.: PB91-140137/CCE
Price Code: A02

Issuance of Administrative Orders Under Section 3013 of RCRA

September 26, 1984
OWPE
50 pages

Provides guidance and discusses information gathering for enforcement cases.

Directive No.: 9940.1
NTIS Order No.: PB91-140111/CCE
Price Code: A03

Issuance of Final Revised Guidance on the Use and Issuance of Administrative Orders Under Section 7003 of RCRA

September 21, 1984
OWPE
21 pages

Provides guidance where there is an imminent and substantial endangerment to public health and the environment.

Directive No.: 9940.2
NTIS Order No.: PB91-140129/CCE
Price Code: A03

Use of RCRA Section 3008(g) Independently of Section 3008(a)

July 28, 1981
OWPE
3 pages

Provides guidance on the use of RCRA's Civil Penalty Authority for Subtitle C violations where no Administrative Order authorized by Section 3008(a) has been issued.

Directive No.: 9940.0
NTIS Order No.: PB91-140103/CCE
Price Code: A01

UST Interim Prohibition

Enforcement Strategy and Procedures for the "Interim Prohibition" Section 9003(g) of the Safe Drinking Water Act (SDWA)

September 16, 1986
OWPE
24 pages

Establishes a statutory tank installation standard which will remain effective until the promulgation of final new tank standards by the Agency under Section 9003(e). Supplemented by Directive No. 9943.3-1a, which was Directive No. 9943.2, dated December 30, 1986.

Directive No.: 9943.3
NTIS Order No.: PB91-140145/CCE
Price Code: Upon Request

Enforcement of the UST Interim Prohibition

December 30, 1986
OWPE
20 pages

Reviews the goals, strategy, and resources available for compliance monitoring, and the alternative enforcement mechanisms available to Regional personnel. Includes an underground storage tank inspection checklist. Supplements Directive No. 9943.3, dated September 16, 1986.

Directive No.: 9943.3-1A
NTIS Order No.: PB91-140152/CCE
Price Code: A03

Citizens' Suits

Guidance Concerning EPA Involvement in RCRA Section 7002 Citizen Suits

October 1, 1986
OWPE
11 pages

Systematically reviews Section 7002 citizen suits filed under RCRA. Aims guidance at legal and technical enforcement personnel.

Directive No.: 9945.1
NTIS Order No.: PB91-140160/CCE
Price Code: A03

Federal Facilities

Agreement With the Department of Defense - Model Provisions for CERCLA Federal Facilities Agreements

June 17, 1988
OWPE
39 pages

Provides model language for inclusion in CERCLA Section 120 agreements with the Department of Defense (DOD). Deals with policy issues that require agreement between EPA and DOD before site-specific agreements can be finalized.

Directive No.: 9992.2
NTIS Order No.: PB91-140251/CCE
Price Code: A03

Agreement With the Department of Energy - Model Provisions for CERCLA Federal Facilities Agreements

May 27, 1988
OWPE
75 pages

Provides model language for inclusion in CERCLA Section 120 agreements with the Department of Energy.

Directive No.: 9992.1
NTIS Order No.: PB91-140236/CCE
Price Code: A04

Elevation Process for Achieving Federal Facilities Compliance Under RCRA

March 24, 1988
OWPE
5 pages

Outlines an elevation process for settling disputes between EPA and a Federal agency to assure that compliance agreements are settled in a timely fashion.

Directive No.: 9992.1-a
NTIS Order No.: PB91-140244/CCE
Price Code: A02

Enforcement Actions Under RCRA and CERCLA at Federal Facilities

January 25, 1988
OWPE
64 pages

Outlines the enforcement and response actions that EPA currently can implement to formalize compliance and cleanup actions at Federal facilities. Develops an integrated RCRA/CERCLA Federal facility compliance and cleanup strategy.

Directive No.: 9992.0
NTIS Order No.: PB91-140228/CCE
Price Code: A04

Federal Facilities Negotiations Policy

August 10, 1989
OWPE
11 pages

Establishes deadlines to preclude protracted negotiations and consequences for failure by the Federal agency or State to reach settlement.

Directive No.: 9992.3
NTIS Order No.: PB91-140269/CCE
Price Code: A03

Public Documents

An Analysis of State Superfund Programs: 50-State Study: 1990 Update

September 1990
OERR/HSCD
226 pages

Examines site cleanup capabilities in 50 States. Provides descriptions of statutes, program organization, findings, and cleanup procedures. Provides "snapshots" of State cleanup programs. Previous years are listed in the archive section.

Control No.: 9375.6-08A
EPA/540/8-91/002
NTIS Order No.: PB91-921259/CCE
Price Code: A11

Superfund: Environmental Progress

November 1990
OERR/IO
16 pages

Summarizes Superfund activities, progress, and philosophies since its inception. Shows that EPA has made substantial progress in making these sites safe in the short term, and clean in the long term.

Control No.: 9200.5-006
EPA/540/8-90/010
NTIS Order No.: PR881/CCE
Price Code: Free

Superfund Overview Fact Sheet Package

November 1990
OERR/IO
22 pages

Package contains 12 separate, concise, and public-oriented discussions of various Superfund issues.

Control No.: 9200.5-008A through 9200.5-008L
NTIS Order No.: PB91-921353/CCE
Price Code: A03

The Superfund Program: Ten Years of Progress

July 1991
OERR/IO
48 pages

Historical look at the inception, operation and achievements of the Superfund program.

Control No.: 9200.5-01B
EPA 540/8-91/003
NTIS Order No.: PB91-921286/CCE
Price Code: Upon Request

Superfund Academy

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

February 3, 1989
OSWER/TIO
10 pages

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.

Control No.: 9285.9-01
NTIS Order No.: PB90-274309/CCE
Price Code: A02

Superfund Academy

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

October 31, 1989
OERR/HSCD
5 pages

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. Explains the requirements and why training is necessary.

Control No.: 9285.9-06
NTIS Order No.: PB90-272592/CCE
Price Code: A01

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

September 29, 1989
OSWER/TIO
6 pages

Announces the mandatory training requirements for On-Scene Coordinators (OSCs) and Remedial Project Managers (RPMs) at all levels. Addresses concerns raised about the preparation of OSCs and RPMs to perform their jobs.

Control No.: 9285.9-05
NTIS Order No.: PB90-272584/CCE
Price Code: A02

Community Relations

Community Relations In Superfund: A Handbook, prepared in June 1988, remains the basic reference document. The Fact Sheets listed in this section supplement the handbook and contain the most current information.

Community Relations In Superfund: A Handbook (Interim Guidance) ★

June 1988
OERR/HSCD
190 pages

Provides policy requirements for coordinating activities at Superfund sites and additional techniques and guidance on community relations programs. Applies to all response actions conducted under CERCLA, whether performed by EPA, other Federal agencies, or State governments.

Control No.: 9230.0-03B
EPA/540/G-88/002
NTIS Order No.: PB89-180830/CCE
Price Code: A09

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

August 31, 1990
OERR/HSCD
6 pages

Describes the use of senior environmental employees in the Superfund program and offers guidance on their future use.

Control No.: 9230.0-09
NTIS Order No.: PB90-273749/CCE
Price Code: A02

Innovative Methods to Increase Public Involvement in Superfund Community Relations (Superfund Management Review: Recommendation #43.A) ★

November 30, 1990
OERR/HSCD
5 pages

Lists six techniques proven effective in increasing public involvement in the Superfund process. The list is not exhaustive, but shows some current outreach vehicles that Regions have found particularly effective in encouraging citizen participation.

Control No.: 9230.0-20
NTIS Order No.: PB91-921344/CCE
Price Code: A02

Making Superfund Documents Available to the Public Throughout the Clean-up Process and Discussing Site Findings and Decisions as They are Developed ★

November 5, 1990
OERR/HSCD
7 pages

Summarizes five recommendations for improving Regional efforts towards timely release of Superfund information to the public during site cleanup activities.

Control No.: 9230.0-16
NTIS Order No.: PB91-921322/CCE
Price Code: A02

Minimizing Problems Caused by Staff Turnover (Superfund Management Review: Recommendations #43, M, N, O) ★

December 19, 1990
OERR/HSCD
3 pages

Lists four major steps designed to ease a staff transition period and examples of how to carry them out.

Control No.: 9230.0-13
NTIS Order No.: PB91-921345/CCE
Price Code: A01

Planning for Sufficient Community Relations ★

March 7, 1990
OERR/HSCD
10 pages

Provides guidance to EPA 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. 43.A.)

Control No.: 9230.0-08
NTIS Order No.: PB90-249533/CCE
Price Code: A02

Public Awareness Signs at Superfund Sites ★

October 1990
OERR/HSCD
2 pages

Informs individuals involved in the Superfund program about the need to post signs at every Superfund site. Whenever Federal funds are used at the Superfund site, EPA requires that a sign be posted before remedial action begins. Details the specifics of what is required and what is optional for inclusion on these signs.

Control No.: 9375.5-10FS
NTIS Order No.: PB91-921306/CCE
Price Code: A01

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

June 1989
OERR/HSCD
78 pages

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

Control No.: 9230.0-12A
EPA/540/G-89/001
NTIS Order No.: PB89-167985/CCE
Price Code: A05

Proposed Method to Evaluate the Effectiveness of Community Involvement in Superfund (Superfund Management Review: Recommendation No. 43.A) ★

September 18, 1990
OERR/HSCD
8 pages

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.

Control No.: 9230.0-19
NTIS Order No.: PB90-273764/CCE
Price Code: A02

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

June 15, 1990
OERR/HSCD
5 pages

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

Control No.: 9230.0-15
NTIS Order No.: PB90-273756/CCE
Price Code: A01

Superfund Responsiveness Summaries (Superfund Management Review: Recommendation No. 43.E) ★

June 4, 1990
OERR/HSCD
6 pages

Describes the background of responsiveness summaries and outlines a new format which summarizes complicated legal and technical issues while maintaining true responsiveness to local communities.

Control No.: 9230.0-06
NTIS Order No.: PB90-273731/CCE
Price Code: A02

Using State and Local Officials to Assist in Community Relations ★

September 28, 1990
OERR/HSCD
5 pages

Discusses specific methods for using State and local officials to enhance communication with the public. Recommends that State and local officials serve as liaisons, provide and maintain information, and assist in public meetings.

Control No.: 9230.0-17
NTIS Order No.: PB91-921320/CCE
Price Code: A02

State and Local Involvement

Audits and the Superfund Program Manager

January 1990
OERR/HSCD
4 pages

Describes why audits of all parties to Cooperative Agreements and Superfund State Contracts are good business practices, and how audits help EPA protect the financial integrity of Superfund response agreements.

Control No.: 9375.5-04FS
NTIS Order No.: PB90-272717/CCE
Price Code: A01

CERCLA Waste Capacity Assurance

August 1990
OERR/HSCD
6 pages

Describes the statutory goals associated with waste capacity assurances required of a State Capacity Assurance Plan, and additional sources of information.

Control No.: 9375.5-09FS
NTIS Order No.: PB90-274507/CCE
Price Code: A01

Criminal Investigations and the Superfund Program

September 1990
OERR/HSCD
5 pages

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.

Control No.: 9375.5-08FS
NTIS Order No.: PB90-274499/CCE
Price Code: A01

Directory of EPA/State Contacts by Specialty

February 1990
OERR/HSCD
73 pages

Lists personnel who provide legal, administrative, and financial expertise in support of CERCLA nationwide.

Control No.: 9375.6-01
EPA/540/8-90/002
NTIS Order No.: PB90-249749/CCE
Price Code: A04

Hazardous Waste Releases on Indian Land; Beginning the Superfund Process

March 1989
OERR/HSED
13 pages

Intended to assist Native American tribes in dealing with releases of hazardous substances on their land. Describes the mechanisms through which hazardous substance releases are identified and reported to EPA.

Control No.: 9375.5-17
EPA/540/8-89/001
NTIS Order No.: PB91-228205/CCE
Price Code: A03

State and Local Community Involvement

Indian Tribal Involvement in the Superfund Program

Fall 1989
OERR/HSCD
5 pages

Describes the specific requirements of CERCLA and the National Contingency Plan for Indian Tribes that wish to participate in the Superfund program.

Control No.: 9375.5-02FS
NTIS Order No.: PB90-273947/CCE
Price Code: A01

Involvement of Superfund Program Managers in Superfund Response Agreement Audits

February 12, 1990
OERR/HSCD
20 pages

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.

Control No.: 9375.5-04
NTIS Order No.: PB90-249731/CCE
Price Code: A03

Political Subdivision Involvement in Superfund

April 1990
OERR/HSCD
5 pages

Provides guidance to Regions, States, and political subdivisions on the designation of a lead agency for remedial response under CERCLA.

Control No.: 9375.5-03FS
NTIS Order No.: PB90-273954/CCE
Price Code: A01

Revised Interim Final Guidance on Indian Involvement in the Superfund Program

November 28, 1989
OERR/HSCD
17 pages

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 and reflects the Agency's growing experience with States, Indian Tribes, and political subdivisions in CERCLA implementation.

Control No.: 9375.5-02A
NTIS Order No.: PB90-249723/CCE
Price Code: A03

State and Local Involvement in the Superfund Program

Fall 1989
OERR/HSCD
6 pages

Provides an overview of hazardous waste laws, the Superfund process, and future directions of the Superfund program. Describes mechanisms for assuring State and local involvement, and the roles of political subdivisions, Indian Tribes, and local governments.

Control No.: 9375.5-01FS
NTIS Order No.: PB90-273939/CCE
Price Code: A02

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

April 1990
OERR/HSCD
36 pages

Summarizes State involvement throughout the Superfund process since the passage of CERCLA. The report includes: the roles and responsibilities of States; 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.

Control No.: 9375.6-04
EPA/540/8-90/005
NTIS Order No.: PB90-272725/CCE
Price Code: A03

Technical Assistance Grants

Resource Distribution for the Technical Assistance Grant Program

June 29, 1988
OERR/HSCD
5 pages

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.

Control No.: 9200.3-04
NTIS Order No.: PB90-249459/CCE
Price Code: A01

Superfund Technical Assistance Grants(TAG)Brochure ★

January 1990
OERR/HSCD
9 pages

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.

Control No.: 9230.1-05FS
NTIS Order No.: PB90-273772/CCE
Price Code: A02

Superfund Technical Assistance Grant (TAG) Handbook

April 1990
OERR/HSCD
268 pages

Consists of three parts. Provides detailed guidance on applying for a TAG. Ecxplains the process of selecting a technical advisor. Contains comprehensive information on managing a TAG.

Control No.: 9230.1-03
EPA/540/G-88/001
NTIS Order No.: PB91-238592/CCE
Price Code: A12

Update: Superfund Technical Assistance Grants

November 1989
OERR/HSCD
5 pages

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.

Control No.: 9200.5-209FS
NTIS Order No.: PB90-273715/CCE
Price Code: A01

General

Advancing the Use of Treatment Technologies for Superfund Remedies ★

February 21, 1989
OERR/HSCD
10 pages

Reaffirms use of treatment technologies at Superfund sites and summarizes guidance documents and activities that encourage and support the use of innovative treatment technologies.

Control No.: 9355.0-26
NTIS Order No.: PB90-272659/CCE
Price Code: A02

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

March 1987
OERR/HSCD
156 pages

Volumes 1 and 2 provide consolidated ready references for all remedial field procedures at uncontrolled hazardous waste sites. Both volumes also are intended to contribute to improved consistency in field procedures.

Control No.: 9355.0-07B
EPA/540/G-87/003
NTIS Order No.: PB88-131370/CCE
Price Code: A08

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
OERR/HSCD
139 pages

Control No.: 9355.0-07B
EPA/540/G-87/004
NTIS Order No.: PB88-131388/CCE
Price Code: A07

Data Quality Objectives for Remedial Response Activities: Example Scenario: RI/FS Activities at a Site with Contaminated Soils and Ground Water (Volumes 1 and 2) ★

March 1987
OERR/HSCD
287 pages

Control No.: 9355.0-07B
NTIS Order No.: PB90-272634/CCE
Price Code: A13

Health and Safety Roles and Responsibilities at Remedial Sites

July 1991
OERR/HSCD
6 pages

Defines the major components of the health and safety program. Delineates the health and safety roles and responsibilities for Remedial Project Managers (RPMs). Addresses the various roles of all parties in the overall health and safety program for a site.

Control No.: 9285.1-02
NTIS Order No.: PB91-921362/CCE
Price Code: A02

Procurement Under Pre-Authorization/Mixed Funding

April 19, 1989
OERR/HSCD
9 pages

Guides Regional staff in clarifying procurement procedures. This guidance sets forth claimants' responsibilities under CERCLA Response Claims Procedures, and means for assuring that their cost claims against the Hazardous Substance Superfund will be reimbursed by EPA.

Control No.: 9225.1-01
NTIS Order No.: PB90-249525/CCE
Price Code: A02

Structure and Components of Five-Year Reviews

August 1991
OERR/HSCD
16 pages

Provides guidance for planning and conducting five-year reviews. Focuses primarily on implementation of five-year reviews and the issues associated with implementation, which include triggering points for reviews, responsibilities and funding. content, and results of reviews.

Control No.: 9355.7-02
NTIS Order No.: PB91-921369/CCE
Price Code: A03

Structure and Components of Five-Year Reviews

August 1991
OERR/HSCD
2 pages

Provides guidance for planning and conducting five-year reviews. Focuses primarily on implementation of five-year reviews and the issues associated with implementation. The goal is to help assure that reviews are implemented in a consistent manner nationally with appropriate consideration of local concerns.

Control No.: 9355.7-02FS
NTIS Order No.: PB91-921368/CCE
Price Code: A01

Treatability Studies Under CERCLA: An Overview

December 1989
OERR/HSCD
9 pages

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.

Control No.: 9380.3-02FS
NTIS Order No.: PB90-273970/CCE
Price Code: A02

Remedial Investigation and Feasibility Studies

Conducting Remedial Investigations/Feasibility Studies for CERCLA Municipal Landfill Sites ★

February 1991
OERR/HSCD
307 pages

Defines strategies for characterizing municipal landfill sites. Identifies practical remedial action alternatives.

Control No.: 9355.3-11
EPA/540/P-91/001
NTIS Order No.: PB91-921205/CCE
Price Code: A14

The Feasibility Study: Detailed Analysis of Remedial Action Alternatives ★

March 1990
OERR/HSCD
6 pages

Describes 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 efficiently and effectively.

Control No.: 9355.3-01FS4
NTIS Order No.: PB90-272675/CCE
Price Code: A02

The Feasibility Study: Development and Screening of Remedial Action Alternatives ★

November 1989
OERR/HSCD
7 pages

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. Provides guidance on managing this portion of the Feasibility Study efficiently and effectively.

Control No.: 9355.3-01FS3
NTIS Order No.: PB90-274416/CCE
Price Code: A02

Remedial Action

Remedial Investigation and Feasibility Studies

Getting Ready: Scoping the RI/FS ★

November 1989
OERR/HSCD
9 pages

Summarizes Chapter 2 of "Guidance for Conducting Remedial Investigations and Feasibility Studies Under CERCLA." Also explains how to manage the scoping phase of the RI/FS process.

Control No.: 9355.3-01FS1
NTIS Order No.: PB90-274390/CCE
Price Code: A02

Guide for Conducting Treatability Studies Under CERCLA (Interim Final) ★

December 1989
OERR/HSCD
133 pages

Describes a systematic approach for performing treatability studies and provides a protocol for scoping, performing, and reporting results.

Control No.: 9380.3-02
EPA/540/2-89/058
NTIS Order No.: PB90-249772/CCE
Price Code: A07

A Guide to Developing Superfund Proposed Plans ★

November 1989
OERR/HSCD
5 pages

Outlines the major components of the Superfund Proposed Plan and suggests effective ways in which the various sections can be presented.

Control No.: 9335.3-02FS2
NTIS Order No.: PB90-273855/CCE
Price Code: A01

Guidance on Cleanup of Surface Tank and Drum Sites

May 28, 1985
OERR/HSCD
146 pages

Provides guidance for implementing concurrent remedial planning activities and accelerating project implementation for cleanup of surface tanks and drums containing hazardous waste.

Control No.: 9380.0-03
NTIS Order No.: PB87-110672/CCE
Price Code: A07

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

October 1988
OERR/HSCD
195 pages

Describes general procedures for conducting Remedial Investigations and Feasibility Studies. 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).

Control No.: 9355.3-01
EPA/540/G-89/004
NTIS Order No.: PB89-184626/CCE
Price Code: A09

Guidance on Remedial Actions for Superfund Sites with PCB Contamination

August 1990
OERR/HSCD
160 pages

Describes the recommended approach for evaluating sites with PCB contamination. Provides preliminary remediation goals for various media. Identifies considerations important to insuring protection of human health and the environment. Summarizes potential application or relevant and appropriate requirements (ARARs) and "to-be-considered" criteria.

Control No.: 9355.4-01
EPA/540/G-90/007
NTIS Order No.: PB91-921206/CCE
Price Code: A07

A Guide on Remedial Actions at Superfund Sites with PCB Contamination

August 1990
OERR/HSCD
9 pages

Summarizes considerations in the development, evaluation, and selection of remedial actions. Provides framework for determining cleanup levels, identifying treatment options, and assessing management controls for residuals.

Control No.: 9355.4-01FS
NTIS Order No.: PB90-274432/CCE
Price Code: A02

A Guide to Selecting Superfund Remedial Actions ★

April 1990
OERR/HSCD
9 pages

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.

Control No.: 9355.0-27FS
NTIS Order No.: PB90-273863/CCE
Price Code: A02

The Remedial Investigation: Site Characterization and Treatability Studies ★

November 1989
OERR/HSCD
7 pages

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.

Control No.: 9355.3-01FS2
NTIS Order No.: PB90-274408/CCE
Price Code: A02

RI/FS Improvements

July 23, 1987
OERR/HSCD
14 pages

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 delegations; and RI/FS control reviews.

Control No.: 9355.0-20
NTIS Order No.: PB90-272642/CCE
Price Code: A03

RI/FS Improvements Follow-Up

April 25, 1988
OERR/HSCD
18 pages

Delineates improvements developed for more effective Remedial Investigations/Feasibility Studies (RI/FS). Produced as part of an ongoing effort to streamline the RI/FS process.

Control No.: 9355.3-05
NTIS Order No.: PB90-249657/CCE
Price Code: A03

Remedial Investigation and Feasibility Studies

RI/FS Streamlining

February 14, 1989
OERR/HSCD
49 pages

Presents second set of recommendations for streamlining measures that will reduce the cost and duration of RI/FSs. Recommendations include those related to technical issues, procurement enhancement, program management, State coordination, and enforcement.

Control No.: 9355.3-06
NTIS Order No.: PB91-214981/CCE
Price Code: A04

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

February 1990
OERR/OPM
31 pages

Outlines tasks and sub-tasks typically conducted as part of a Remedial Investigation/Feasibility Study, such as issuing work assignments and evaluating contractor proposals. Also presents a strategy based on site complexity and task difficulty for estimating a project's cost.

Control No.: 9355.1-05
EPA/540/G-90/002
NTIS Order No.: PB90-258369/CCE
Price Code: A03

Streamlining the RI/FS for CERCLA Municipal Landfill Sites

September 1990
OERR/HSCD
4 pages

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.

Control No.: 9355.3-11FS
NTIS Order No.: PB91-921301/CCE
Price Code: A01

Remedial Design and Remedial Action

EPA Oversight of Remedial Designs and Remedial Actions Performed by PRPs

February 1990
OERR/HSCD
8 pages

Presents an overview of EPA's guidance for oversight of enforcement lead projects in which a Potentially Responsible Party (PRP) conducts the Remedial Design and Remedial Action.

Control No.: 9355.5-16FS
NTIS Order No.: PB91-921357/CCE
Price Code: A02

Expediting Remedial Construction

October 1989
OERR/HSCD
9 pages

Examines activities to be considered in remedial management strategies to accelerate remedial construction.

Control No.: 9355.5-02FS
NTIS Order No.: PB90-272683/CCE
Price Code: A02

Guidance on Expediting Remedial Design and Remedial Action ★

August 1990
OERR/HSCD
51 pages

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. Used to evaluate projects for suitability for expediting and to determine the methods that could be used.

Control No.: 9355.5-02
EPA/540/G-90/006
NTIS Order No.: PB90-273871/CCE
Price Code: A04

Guidance on EPA Oversight of Remedial Designs and Remedial Actions Performed by Potentially Responsible Parties; Interim Final ★

April 1990
OERR/HSCD
56 pages

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.

Control No.: 9355.5-01
EPA/540/G-90/001
NTIS Order No.: PB90-249707/CCE
Price Code: A04

Modeling Remedial Actions at Uncontrolled Hazardous Waste Sites

April 1, 1988
OERR/HSCD
463 pages

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.

Control No.: 9355.0-08
EPA/540/2-85/001
NTIS Order No.: PB85-211357/CCE
Price Code: A20

Real Estate Acquisition Procedures for USACE Projects

February 1990
OERR/HSCD
5 pages

Addresses the areas of initial planning, request and approval process, acquisition, and major roles and responsibilities. Discusses the role of the Remedial Project Manager.

Control No.: 9355.5-07FS
NTIS Order No.: PB91-921355/CCE
Price Code: A01

Remedial Action Costing Procedures Manual

October 1987
OERR/HSCD
68 pages

Provides detailed procedures for calculating and generating estimated capital and annual operating costs for each remedial action alternative. Includes worksheets and an example cost analysis.

Control No.: 9355.0-10
EPA/600/8-87/049
NTIS Order No.: PB88-113691/CCE
Price Code: A04

USACE Pre-placed and Rapid Response Contracts

December 1989
OERR/HSCD
6 pages

Describes the Pre-placed Remedial Action (PRA) and Remedial Response (RR) contracts. Also includes a description of program overviews, roles and responsibilities of the U.S. Army Corps of Engineers (USAGE) and EPA personnel, program execution, resource management, contract management, and program policies.

Control No.: 9355.5-05FS
NTIS Order No.: PB90-273889/CCE
Price Code: A02

U.S. Bureau of Reclamation Assistance to the Superfund Program

December 1990
OERR/HSCD
4 pages

Outlines assistance available from the Department of the Interior's Bureau of Reclamations' Denver office and the five Regional Offices.

Control No.: 9355.15FS
NTIS Order No.: PB91-921319/CCE
Price Code: A01

Records of Decision

Guidance on Preparing Superfund Decision Documents: The Proposed Plan, The Record of Decision, Explanation of Significant Differences, The Record of Decision Amendment ★

July 1989
OERR/HSCD
216 pages

Developed to present standard formats for documenting, to clarify the roles and responsibilities of agencies involved, and to explain how to address changes. Packaged with Fact Sheets No. 9335.3-02FS-1, 9335.3-02FS-2, 9355.3-02FS-3, and 9355.3-02FS-4.

Control No.: 9355.3-02
EPA/540/G-89/007
NTIS Order No.: PB91-921265/CCE
Price Code: A10

A Guide to Addressing Pre-ROD and Post-ROD Changes

April 1991
OERR/HSCD
6 pages

Outlines the methods of categorizing pre- and post-ROD changes and the ways in which changes should be documented.

Control No.: 9355.3-02FS-4
NTIS Order No.: PB91-921351/CCE
Price Code: A02

A Guide to Developing Superfund No Action, Interim Action, and Contingency Remedy RODs

April 1991
OERR/HSCD
6 pages

Provides reference to the essential components of Records of Decision (RODs) that are prepared to document three specific types of remedial action decisions.

Control No.: 9355.3-02FS-3
NTIS Order No.: PB91-921350/CCE
Price Code: A02

A Guide to Developing Superfund Records of Decision

November 1989
OERR/HSCD
6 pages

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.

Control No.: 9335.3-02FS-1
NTIS Order No.: PB90-273848/CCE
Price Code: A02

Results of FY-89 Record of Decision Analysis

March 30, 1990
OERR/HSCD
20 pages

Outlines goals to promote ROD consistency and quality ensuring that the remedial program is conducted with SARA.

Control No.: 9355.3-09
NTIS Order No.: PB90-249681/CCE
Price Code: A03

ROD Annual Report FY 1990

July 1991
OERR/HSCD
555 pages

Features specific accomplishments in the ROD process. Describes site conditions, selected remedial actions, and institutional controls. Previous years are listed in the archive section.

Control No.: 9355.6-04
EPA/540/8-91/067
NTIS Order No.: PB91-921277/CCE
Price Code: A24

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

August 1988
OERR/HSCD
164 pages

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

Control No.: 9355.1-04
EPA/540/G-89/005
NTIS Order No.: PB90-193004/CCE
Price Code: A08

General

Accelerated Response at NPL Sites Guidance

December 15, 1989
OERR/ERD
19 pages

Providesguidance on addressing immediate threats at National Priorities List (NPL) sites. Based upon Superfund Management Review Recommendation No. 22.

Control No.: 9200.2-02
NTIS Order No.: PB90-258302/CCE
Price Code: A03

CERCLA Removal Actions at Methane Release Sites

January 23, 1986
OERR/ERD
2 pages

Clarifies OERR policy on the appropriateness of removal actions at methane gas release sites under CERCLA authority. Methane is not an EPA regulated substance.

Control No.: 9360.0-08
NTIS Order No.: PB91-190850/CCE
Price Code: A01

Emergency Response Cleanup Services Contracts (ERCS): User's Manual ★

October 1987
OERR/ERD
210 pages

Provides information to help those authorized to use ERCS contracts to deploy them more efficiently and effectively. Discusses coordinating the use of the ERCS contracts with other entities involved with the Superfund program.

Control No.: 9242.2-01B
NTIS Order No.: PB90-191966/CCE
Price Code: A10

The Emergency Response Notification System (Brochure)

August 1989
OERR/ERD
7 pages

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.

Control No.: 9360.0-21
NTIS Order No.: PB90-249715/CCE
Price Code: A02

Exemptions from the Statutory Limits on Removal Actions

November 1990
OERR/ERD
2 pages

Summarizes two exemptions from the statutory time and dollar limits on removal actions. The first is the "emergency" exemption for when a response action is immediately required to protect public health, welfare, or the environment. The second is the "consistency" exemption for when further response actions are appropriate and consistent.

Control No.: 9360.0-12FS
NTIS No.: PB91-921304/CCE
Price Code: A01

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

June 12, 1989
OERR/ERD
8 pages

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).

Control No.: 9360.0-12A
NTIS Order No.: PB90-274465/CCE
Price Code: A02

Removal Action

General

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

March 3, 1989
OERR/ERD
12 pages

Provides guidance and establishes procedures for requesting Headquarters concurrence. Outlines procedural requirements for five categories of removals which are of special interest from a national perspective.

Control No.: 9360.0-19
NTIS Order No.: PB90-273921/CCE
Price Code: A03

A Guide to Developing Action Memorandums

December 1990
OERR/ERD
4 pages

Describes the essential components of Action Memorandums used to initiate a removal action, as well as special cases such as enforcement-lead removals, and special circumstances such as actions that require additional funds.

Control No.: 9360.3-01FS
NTIS Order No.: PB91-921317/CCE
Price Code: A01

Joint Federal Task Force on Clandestine (Illegal) Drug Laboratories

June 1990
OERR/ERD
4 pages

Describes the problem that gave rise to the need for a program to clean up hazardous wastes at clandestine drug laboratories, and briefly outlines the content of the Task Force guidelines developed to address the problem.

Control No.: 9360.5-00FS
NTIS Order No.: PB91-125989/CCE
Price Code: A02

Guidance Document For Providing Alternative Water Supplies ★

March 1, 1988
OERR/ERD
65 pages

Discusses circumstances under which it is appropriate to provide alternative water supplies.

Control No.: 9355.3-03
EPA/540/G-87/006
NTIS Order No.: PB89-167969/CCE
Price Code: A04

Guidelines for the Cleanup of Clandestine Drug Laboratories

March 1990
OERR/ERD
46 pages

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. Contains an overview of recommended enforcement procedures, as well as safety guidelines and cleanup strategies. Replaces "Proposed Guidelines for the Cleanup of Drug Laboratories," June 2, 1989, and retains the same control number.

Control No.: 9360.5-00
EPA/540/P-90/005
NTIS Order No.: PB90-272709/CCE
Price Code: A03

Model Program for Removal Site File Management

July 18, 1988
OERR/ERD
20 pages

Provides a file structure for on-site file management and Regional file maintenance for use by On-Scene Coordinators (OSCs). Provides the minimum contents of a site file kit for use by OSCs and Technical Assistance Team personnel when establishing a site file.

Control No.: 9360.2-01
NTIS Order No.: PB91-214247/CCE
Price Code: A03

Policy on Management of Post-Removal Site Control

December 3, 1990
OERR/ERD
15 pages

Provides procedures to ensure that provisions for post-removal site control at both National Priorities List (NPL) and non-NPL sites are made prior to initiation of a Fund-financed removal action. Also provides guidance to States on the use of institutional controls when waste is left on-site following a removal action.

Control No.: 9360.2-02
NTIS Order No.: PB91-921326/CCE
Price Code: A03

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

April 1990
OERR/ERD
66 pages

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.

Control No.: 9360.4-01
EPA/540/G-90/004
NTIS Order No.: PB90-274481/CCE
Price Code: A04

Reimbursement to Local Governments for Emergency Response to Hazardous Substance Releases

November 1989
OERR/ERD
5 pages

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.

Control No.: 9225.3-01FS
NTIS Order No.: PB90-274234/CCE
Price Code: A02

Removal Cost Management System: Version 3.2

May 1990
OERR/ERD
211 pages

Reference manual for software used to perform cost projections and daily cost tracking. Also to be used to create Cost Projection reports, the 1900-55 Form, a Daily Cost Summary, an Incident Obligation Log, and Site Summary Reports.

Control No.: 9360.0-02C
EPA/540/P-90/003
NTIS Order No.: PB90-272691/CCE
Price Code: A10

Required Use of the Removal Cost Management System for all Removal Actions

February 17, 1989
OERR/ERD
5 pages

Requires the use of the Removal Cost Management System (RCMS), a computerized cost tracking system, for all future removal actions. Describes the background, functions of RCMS, removal cost management policy, and implementation.

Control No.: 9360.0-20
NTIS Order No.: PB91-214288/CCE
Price Code: A02

Site-Specific Contracting for Removals

April 10, 1989
OERR/ERD
4 pages

Provides direction and criteria for the use of site-specific contracting in many types of removal actions.

Control No.: 9242.2-02
NTIS Order No.: PB91-215053/CCE
Price Code: A02

General

Superfund Removal Procedures: Guidance on the Consideration of ARARs During Removal Actions ★

August 1991
OERR/ERD
39 pages

Part of a ten volume series of guidance documents. Presents information recommendations and examples to aid On-Scene Coordinators in identifying potential Federal and State ARARs, determining the extent to which compliance with ARARs is practible, and documenting ARAR evaluations.

Control No.: 9360.3-02
NTIS Order No.: PB92-963401/CCE
Price Code: A03

Superfund Emergency Response Actions: A Summary of Federally Funded Removals (Volume 4)

September 1990
OERR/ERD
128 pages

Summarizes short-term actions (removals) undertaken by EPA and the U.S. Coast Guard in response to hazardous substance incidents. The document presents an historical perspective of the program and summarizes removals completed during the year. This document is revised annually. Previous years are listed in the archived document list.

Control No.: 9360.6-05
EPA/540/8-90/014
NTIS Order No.: PB90-921260/CCE
Price Code: A07

Superfund Removal Procedures: Action Memorandum Guidance ★

December 1990
OERR/ERD
59 pages

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. Updates and partly replaces Directive 9360.0-03B, the single-volume "Superfund Removal Procedures" manual issued in February 1988, which is listed in the archived document list.

Control No.: 9360.3-01
EPA/540/P-90/004
NTIS Order No.: PB90-274473/CCE
Price Code: A04

Technical Assistance Team (TAT) Users' Manual September 1987 (Revised July 1989)

July 1989
OERR/ERD
296 pages

Provides information and guidance on management and implementation of EPA's "Technical Assistance Team (TAT) for Emergency Response, Removal, and Prevention" contracts. Describes the necessary procedures and requirements that should be followed in managing contracts. Intended to serve as guidance in the administration of the TAT contracts. July 1989 document supplies updated replacement pages to the original document.

Control No.: 9242.4-01A
NTIS Order No.: PB91-214163/CCE
Price Code: A13

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

February 7, 1987
OERR/ERD
6 pages

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.

Control No.: 9360.0-14
NTIS Order No.: PB90-273905/CCE
Price Code: A02

Use of Removal Approaches to Speed Up Remedial Action Projects

July 7, 1989
OERR/ERD
8 pages

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.

Control No.: 9355.0-25A
NTIS Order No.: PB90-274382/CCE
Price Code: A02

Oil Spills

The EXXON Valdez Oil Spill: A Report to the President

May 1989
OERR/ERD
75 pages

Publication

Addresses the preparedness for, the response to, and early lessons learned from the EXXON Valdez incident.

Control No.: 9360.8-03
NTIS Order No.: PB91-213819/CCE
Price Code: A04

Oil Spill Contingency Planning; National Status: A Report to the President

October 1990
OERR/ERD
69 pages

Publication

Provides a representative picture of oil spill planning and preparedness across the country. Represents the combined efforts of hundreds of regional Federal agency representatives, State officials, private industry, and members of port area marine communities.

Control No.: 9360.8-05
NTIS Order No.: PB91-921282/CCE
Price Code: A04

The Oil Spill Prevention, Control, and Countermeasures Program, Task Force Report

May 13, 1988
OERR/ERD
102 pages

Publication

Describes the January 2, 1988 release of 1M gallons of diesel fuel in Floreffe, PA and subsequent contamination of the Monongahela and Ohio Rivers.

Control No.: 9360.8-02
NTIS Order No.: PB91-213868/CCE
Price Code: A06

Update on Implementation of the Oil Pollution Act of 1990 (February 1991, Intermittent Bulletin, Volume 1, No. 1)

February 1991
OERR/ERD
6 pages

Fact Sheet

Includes notes from RegionI Workgroup meeting, questions and answers concerning Oil Pollution Act, a timeline of major EPA activities, and a list of EPA Implementation Workgroups.

Control No.: 9200.5-115I
NTIS Order No.: PB91-921370/CCE
Price Code: A02

Update on Implementation of the Oil Pollution Act of 1990 (April 1991, Intermittent Bulletin, Volume 1, No. 2)

April 1991
OERR/ERD
6 pages

Fact Sheet

Includes a spill exercise in Maryland, practical issues on spill planning/response, the Exxon Valdez, oil spills reported in the U.S. (1988-1990), and interim guidelines for bioremediation.

Control No.: 9200.5-115I
NTIS Order No.: PB91-921371/CCE
Price Code: A02

Update on Implementation of the Oil Pollution Act of 1990 (June 1991, Intermittent Bulletin, Volume 1, No. 3)

June 1991
OERR/ERD
6 pages

Fact Sheet

Includes an overview of EPA's Oil Spill prevention and Response Program, Bioremedial Spill Response Plan, a roundtable on the National Contingency Plan, and oil spill statistics.

Control No.: 9200.5-115I
NTIS Order No.: PB91-921372/CCE
Price Code: A02

Emergency Response

Assessing Reports of Continuous Releases of Hazardous Substances; A Guide for EPA Regions ★

October 1990
OERR/ERD
20 pages

Provides asssistance to EPA Regions by discussing and making recommendations regarding the options available for evaluating reports of continuous releases.

Control No.: 9360.7-04
EPA/540/G-91/002
NTIS Order No.: PB91-921315/CCE
Price Code: A03

Continuous Release Emergency Response Notification System and Priority Assessment Model; Model Documentation ★

October 1990
OERR/ERD
75 pages

Assists On-Scene Coordinators in their use of the integrated database management system and screening level risk assessment model.

Control No.: 9360.7-03
EPA/540/G-91/004
NTIS Order No.: PB91-921261/CCE
Price Code: A04

Continuous Release Emergency Response Notification System and Priority Assessment Model; User's Manual for EPA Regions ★

October 1990
OERR/ERD
87 pages

Assists personnel in implementing new continuous release reporting regulations.

Control No.: 9360.7-05
EPA/540/G-91/001
NTIS Order No.: PB91-921262/CCE
Price Code: A05

Continuous Release Emergency Response Notification System: User's Manual for Industry ★

October 25, 1990
OERR/ERD
36 pages

Assists industry in complying with continuous release reporting requirements. Designed to allow reports of multiple releases of hazardous substances.

Control No.: 9360.7-02 (Manual)
NTIS Order No.: PB91-921287/CCE
Price Code: A03

Continuous Release Emergency Response Notification System

October 25, 1990
OERR/ERD
2 Diskettes

Control No.: 9360.7-02
NTIS Order No.: PB91-509935/CCE
Price Code: D02 (Sold as a Set)

Reporting Requirements for Continuous Releases of Hazardous Substances; A Guide for Facilities and Vessels on Compliance ★

October 1990
OERR/ERD
43 pages

Provides general information in a question and answer format regarding the continuous release reporting regulation. Contains detailed instructions on how to prepare continuous release reports.

Control No.: 9360.7-01
EPA/540/G-91/003
NTIS Order No.: PB91-921263/CCE
Price Code: A03

Establishing Work Zones at Uncontrolled Hazardous Waste Sites

April 1991
OERR/ERD
12 pages

Summarizes the procedures and requirements for establishing and maintaining work zones, including Support Zones at hazardous waste sites.

Control No.: 9285.2-06FS
NTIS Order No.: PB91-921342/CCE
Price Code: A03

Hazardous Waste Operations and Emergency Response: Available Guidance

April 1991
OERR/ERD
7 pages

Alerts interested parties to the availability of guidance material that will help employers, employees, On-Scene Coordinators (OSCs), and Remedial Projects Managers (RPMs) to better understand and comply with the new Hazardous Waste Operations and Emergency Response: Available Guidance (HAZWOPER) standards.

Control No.: 9285.2-10FS
NTIS Order No.: PB91-921337/CCE
Price Code: A02

Hazardous Waste Operations and Emergency Response: General Information and Comparison

April 1991
OERR/ERD
10 pages

Explains the scope and purpose of the worker protection standards issued under SARA Title I, and distinguishes these standards from other regulations and consensus standards covering the same or similar subject matter.

Control No.: 9285.2-09FS
NTIS Order No.: PB91-921338/CCE
Price Code: A02

Hazardous Waste Operations and Emergency Response: RCRA TSD and Emergency Response Without Regard to Location

April 1991
OERR/ERD
12 pages

Explains the principle requirements of the EPA and OSHA worker protection standards as they apply to employees who perform emergency response operations, irrespective of location, and employees who perform hazardous waste operations at RCRA TSD facilities.

Control No.: 9285.2-07FS
NTIS Order No.: PB91-921340/CCE
Price Code: A03

Hazardous Waste Operations and Emergency Response: Uncontrolled Hazardous Waste Sites and RCRA Corrective Actions

April 1991
OERR/ERD
16 pages

Explains the principle requirements of the EPA and OSHA worker protection standards as they apply to employees engaged in hazardous waste operations at uncontrolled hazardous waste sites, including employees who perform corrective actions at RCRA TSD facilities.

Control No.: 9285.2-08FS
NTIS Order No.: PB91-921339/CCE
Price Code: A03

HAZMAT Team Planning Guidance ★

September 1990
OERR/ERD
65 pages

Outlines factors to consider when planning a HAZMAT Team, including funding, training and medical surveillance, and developing emergency response plans and standard operating procedures.

Control No.: 9285.3-05
EPA/540/G-90/003
NTIS Order No.: PB90-274523/CCE
Price Code: A04

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

December 1989
OERR/ERD
109 pages

Provides step-by-step guidance for assessing preliminary evaluations, health and safety plans (HASPs), and off-site emergency response programs required under the Occupational Safety and Health Administration (OSHA) and EPA worker protection standards. Addresses health and safety provisions at uncontrolled hazardous waste sites and appropriate off-site emergency responses.

Control No.: 9285.8-02
EPA/540/G-89/010
NTIS Order No.: PB90-204157/CCE
Price Code: A06

National On-Scene Coordinator Directory

July 1991
OERR/ERD
62 pages

Promotes 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 hotline listing. Contains a comprehensive "specialty area" index. Updated annually.

Control No.: 9200.0-08
NTIS Order No.: PB91-921279/CCE
Price Code: A04

Field Operations and Safety Procedures

Compendium of ERT Ground Water Sampling Procedures

January 1991
OERR/ERD
82 pages

Describes methods used for preventing or reducing cross-contamination. Provides general guidelines for sampling equipment decontamination procedures at hazardous waste sites.

Control No.: 9360.4-06
EPA/540/P-91/007
NTIS Order No.: PB91-921275/CCE
Price Code: A04

Compendium of ERT Soil Sampling and Surface Geophysics Procedures

January 1991
OERR/ERD
49 pages

Describes methods used for preventing or reducing cross-contamination. Provides general guidelines for sampling equipment decontamination procedures at hazardous waste sites.

Control No.: 9360.4-02
EPA/540/P-91/006
NTIS Order No.: PB91-921273/CCE
Price Code: A03

Compendium of ERT Surface Water and Sediment Sampling Procedures

January 1991
OERR/ERD
38 pages

Describes methods used for preventing or reducing cross-contamination. Provides general guidelines for sampling equipment decontamination procedures at a hazardous waste site.

Control No.: 9360.4-03
EPA/540/P-91/005
NTIS Order No.: PB91-921274/CCE
Price Code: A03

Compendium of ERT Toxicity Testing Procedures

January 1991
OERR/ERD
48 pages

Documents the procedure for conducting a standard reference toxicity test. Estimates fitness, condition, and sensitivity of organisms used in a definitive toxicity test. Allows for inter- and intralaboratory comparisons.

Control No.: 9360.4-08
EPA/540/P-91/009
NTIS Order No.: PB91-921271/CCE
Price Code: A03

Compendium of ERT Waste Sampling Procedures

January 1991
OERR/ERD
58 pages

Describes methods used for preventing or reducing cross-contamination. Provides site guidelines for decontamination procedures

Control No.: 9360.4-07
EPA/540/P-91/008
NTIS Order No.: PB91-921276/CCE
Price Code: A04

Field Standard Operating Procedures For Air Surveillance (F.S.O.P. #8)

January 1985
OERR/ERD
27 pages

Describes air monitoring procedures for obtaining data required to minimize risk exposure at hazardous substance release sites.

Control No.: 9285.2-03
NTIS Order No.: PB91-213843/CCE
Price Code: A03

Field Standard Operating Procedures For Decontamination of Response Personnel (F.S.O.P. #7)

January 1985
OERR/ERD
41 pages

Describes approved operating procedures for decontamination of response personnel and equipment.

Control No.: 9285.2-02
NTIS Order No.: PB91-213850/CCE
Price Code: A03

Field Standard Operating Procedures For Establishing Work Zones (F.S.O.P. #6)

April 1, 1985
OERR/ERD
23 pages

Describes procedures to establish work zones which minimize risk exposure at hazardous release sites.

Control No.: 9285.2-04
NTIS Order No.: PB91-213827/CCE
Price Code: A03

Field Standard Operating Procedures For Preparation of a Site Safety Plan (F.S.O.P. #9)

April 1985
OERR/ERD
37 pages

Establishes requirements for protecting health and safety of field personnel. Contains safety information, instructions, and procedures.

Control No.: 9285.2-05
NTIS Order No.: PB91-213835/CCE
Price Code: A03

OSWER Integrated Health and Safety Policy ★

August 16, 1988
OERR/IO
35 pages

Requires all EPA employees comply with Occupational Health and Safety Administration (OSHA), and with EPA Health and Safety Directives.

Control No.: 9285.0-01
NTIS Order No.: PB90-258344/CCE
Price Code: A03

Priority for Health and Safety Requirements, Especially Medical Surveillance Requirements, for EPA Employees Who Support OSWER Programs

March 1, 1990
OERR/ERD
5 pages

Reminds employees that EPA must comply with OSHA's hazardous waste and emergency response worker protection rule. Provides details regarding medical surveillance requirements.

Control No.: 9285.3-06
NTIS Order No.: PB91-921346/CCE
Price Code: A01

Standard Operating Safety Guides ★

July 5, 1988
OERR/ERD
137 pages

Describes current Occupational Safety and Health Administration (OSHA) regulations as they apply to hazardous waste workers. Updates the November 1984 edition of Standard Operating Safety Guides.

Control No.: 9285.1-01C
NTIS Order No.: PB90-249590/CCE
Price Code: A07

Computerized System for Performing Risk Assessments for Chemical Constituents of Hazardous Waste

January 1990
ORD/OHEA
21 pages

Assists environmental personnel in conducting risk assessments at hazardous waste sites, and also in reviewing assessments generated by contractors for correspondence with EPA and State standards. System combines database, expert exposure, and risk values in an IBM-PC format with a user-friendly interface.

EPA/600/D-90/044
NTIS Order No.: PB90-222001/CCE
Price Code: A03

Guidance for Coordinating ATSDR Health Assessment Activities with the Superfund Remedial Process

April 22, 1987
OERR/HSED
22 pages

Provides guidance to support ATSDR in meeting its health assessment requirements. Summarizes the various EPA response activities for which consultation with ATSDR may be requested. Outlines ATSDRs management process for citizen petitions.

Control No.: 9285.4-02
NTIS Order No.: PB91-214080/CCE
Price Code: A03

Guidance for Data Useability in Risk Assessment ★

September 1990
OERR/HSED
272 pages

Provides a consistent basis for decision making and the minimum quality/quantity of environmental analytical data.

Control No.: 9285.7-05
EPA/540/G-90/008
NTIS Order No.: PB91-921208/CCE
Price Code: A12

Guidance for Data Useability in Risk Assessment (Fact Sheet) ★

September 1990
OERR/HSED
8 pages

Provides data users with a nationally-consistent basis for making decisions about the minimum quality and quantity of environmental analytical data, regardless of which parties conduct the investigation.

Control No.: 9285.7-05FS
NTIS Order No.: PB91-921312/CCE
Price Code: A02

Health Effects Assessment Summary Tables, Fourth Quarter FY 90

January 1991
ORD/OHEA
2 pages

Identifies current literature on changes in assessment criteria for many chemicals. Tables summarize reference doses (RFDs) for toxicity from subchronic and chronic inhalation and from oral exposure, slope factors, and unit risk values. Annual publication with quarterly updates.

Control No.: 9200.5-303
NTIS Order No.: PB90-921100/CCE
Price Code: A00

Integrated Risk Information System (IRIS) (for IBM PC/AT Microcomputers)

April 1990
ORD/OHEA
7 diskettes

Contains summary information related to human health risk assessment. EPA's primary vehicle for communication of chronic health hazard information. Contains chemical-specific information for approximately 500 chemicals. Available in an on-line database and on 5 1/4-inch, high density, 1.2M diskettes.

NTIS Order No.: PB90-591330/CCE
Price Code: D03

Interim Guidance on Establishing Soil Lead Cleanup Levels at Superfund Sites

September 7, 1989
OERR/HSED
3 pages

Sets forth an interim soil cleanup level for total lead, considered protective for direct contact at residential settings.

Control No.: 9355.4-02
NTIS Order No.: PB91-921352/CCE
Price Code: A02

Supplement to Interim Guidance on Establishing Soil Lead Cleanup Levels at Superfund Sites

January 26, 1990
OERR/HSED
2 pages

Reiterates that OSWER Directive 9355.4-02 on interim soil cleanup levels for lead is a guidance document, not a binding regulation.

Control No.: 9355.4-02A
NTIS Order No.: PB91-921352/CCE
Price Code: A02 (Sold as a Set)

Quantifying Effects in Ecological Site Assessments: Biological and Statistical Considerations

1990
ORD/ERL-CORV
31 pages

Describes research on toxicity test methods and on site characterization/assessment methods. Addresses ways of integrating methods to achieve meaningful ecological assessments of hazardous waste sites.

EPA/600/D-90/152
NTIS Order No.: PB91-129189/CCE
Price Code: A03

Risk Assessment Guidance for Superfund, Volume 1: Human Health Evaluation Manual, Part A

April 1990
OERR/HSED
9 pages

The Fact Sheet alerts 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.

Control No.: 9285.7-01FS
NTIS Order No.: PB90-273830/CCE
Price Code: A02

Risk Assessment Guidance for Superfund, Volume 1: Human Health Evaluation Manual, Part A, Interim Final ★

December 1989
OERR/HSED
290 pages

Assists RPMs and OSCs in managing public health risk assessments at Superfund sites. Addresses data collection and evaluation; exposure and toxicity assessment; risk characterization; and management and documentation.

Control No.: 9285.7-01B
EPA/540/1-89/002
NTIS Order No.: PB90-155581/CCE
Price Code: A13

Risk Assessment Guidance for Superfund, Volume 2: Environmental Evaluation Manual, Interim Final ★

March 1989
OERR/HSED
64 pages

Provides RPMs and OSCs with a scientific framework for considering environmental effects of contamination and of remedial designs. Identifies technical resources that may be needed and how to find them.

Control No.: 9285.7-01A
EPA/540/1-89/001
NTIS Order No.: PB90-155599/CCE
Price Code: A04

Human Health Evaluation Manual, Supplemental Guidance: Standard Default Exposure Factors ★

May 1991
OERR/HSED
28 pages

Presents standard exposure factors for use in baseline risk assessments. Intended to promote consistency in estimating concentrations of environmentalcontaminants and in describing responses of exposed populations

Control No.: 9285.6-03
NTIS Order No.: PB91-921314/CCE
Price Code: A03

Risk Assessment in Superfund: A Primer

April 1991
OERR/HSED
85 pages

An introduction to risk assessment for Superfund Remedial Project Managers (RPMs) and On-Scene Coordinator (OSCs). This is an internal training document.

Control No.: 9285.7-05
EPA/540/X-91/002
NTIS Order No.: PB91-214197/CCE
Price Code: A05

Role of the Baseline Risk Assessment in Superfund Remedy Selection Decisions

April 22, 1991
OERR/HSCD
10 pages

Provides further guidance on how to use the baseline risk assessment to make risk management decisions. Clarifies the use of the baseline risk assessment in selecting appropriate remedies under CERCLA Section 121. Promotes consistency in preparing site-specific risk assessments. Helps ensure that appropriate documentation from the baseline risk assessment is included in Superfund remedy selection documents.

Control No.: 9355.0-30
NTIS Order No.: PB91-921359/CCE
Price Code: A03

Superfund Exposure Assessment Manual ★

April 1988
OERR/HSED
166 pages

Provides RPMs with the guidance necessary to conduct exposure assessments that meet the needs of the Superfund human health risk evaluation process. Describes the integrated exposure assessment process as applied to uncontrolled hazardous waste sites, and the use of estimation procedures and computer modeling techniques for the analysis of uncontrolled sites.

Control No.: 9285.5-01
EPA/540/1-88/001
NTIS Order No.: PB89-135859/CCE
Price Code: A08

Superfund Risk Assessment Information Directory

November 1986
OERR/HSED
200 pages

Identifies and describes sources of information useful in conducting Superfund-related risk assessments such as, automated databases, data files and tapes, models, directories, periodicals, publications, and human and corporate resources.

Control No.: 9285.6-01
EPA/540/1-86/061
NTIS Order No.: PB87-188918/CCE
Price Code: A09

General

Expanded Site Inspection Transitional Guidance Fiscal Year 1988

October 1987
OERR/HSED
76 pages

Serves as a consolidated ready reference for conducting site inspection work on sites projected for the NPL.

Control No.: 9345.1-02
NTIS Order No.: PB90-183377/CCE
Price Code: A05

Field Screening Methods Catalog — User's Guide

September 1988
OERR/HSED
128 pages

Assists in identifying field screening methods applicable to specific site characteristics. Database III Plus-based system.

Control No.: 9380.0-08
EPA/540/2-88/005
NTIS Order No.: PB89-134159/CCE
Price Code: A07

Guidance for Performing Preliminary Assessments Under CERCLA ★

September 1991
OERR/HSED
288 pages

Provides instructions for conducting a PA and reporting results. Discusses information required to evaluate and score a site. Assists PA investigators in conducting high-quality assessments.

Control No.: 9345.0-01A
NTIS Order No.: PB92-963303/CCE
Price Code: A13

Management of Investigation-Derived Wastes During Site Inspections ★

May 1, 1991
OERR/HSED
68 pages

Presents a general regulatory background and options for management of investigation-derived wastes (IDW) generated during Superfund site inspections (SIS).

Control No.: 9345.3-02
EPA 540/G-91/009
NTIS Order No.: PB91-921331/CCE
Price Code: A04

PA-Score Software; User's Manual and Tutorial: Version 1.0

September 1991
OERR/HSED
76 pages

Developed to assist preliminary assessment evaluations by generating an upper-bound estimate of the Hazard Ranking System Score and Associated documentation for a site. Provides instructions to install and use PA-Score and PA-Print.

Control No.: 9345.1-11
NTIS Order No.: PB92-963302/CCE
Price Code: A04

PA-Score Software; User's Manual and Tutorial: Version 1.0

September 1991
OERR/HSED
manual and diskette

Control No.: 9345.1-11
NTIS Order No.: PB92-500032/CCE
Price Code: D02 (Sold as a Set)

General

Policy on Floodplains and Wetland Assessments for CERCLA Actions

August 1985
OERR/OPM
12 pages

Discusses specific situations requiring preparation of a floodplains or wetlands assessment and the factors to be considered in preparing such an assessment.

Control No.: 9280.0-02
NTIS Order No.: PB91-921329/CCE
Price Code: A03

National Priorities Listing Process

CERCLIS Listing ★

February 5, 1990
OERR/HSED
7 pages

Assures rapid entry into CERCLIS locations identified to or by the Agency as potential hazardous waste release sites. Re-emphasizes the use of the Preliminary Assessment Petition and provides a copy of the public educational bulletin.

Control No.: 9320.3-08
NTIS Order No.: PB91-921348/CCE
Price Code: A02

CERCLIS (Comprehensive Environmental Response, Compensation, and Liability Information System) Site Location Extract

1991
OERR/OPM
magnetic tapes

Contains data on potential hazardous waste sites that have been reported to EPA by States, municipalities, private companies, and private persons. Lists sites by name, alias, location, and indicators for National Priorities List status and Federal facilities. Revised quarterly.

NTIS Order No.: PB91-591310/CCE
Price Code: T02

Closing the NPL Book Under the Original HRS ★

November 1990
OERR/HSED
6 pages

Summarizes the process for establishing the National Priorities List (NPL) under the original Hazardous Ranking System (HRS). The HRS follows prescribed rules to assign numerical values to factors characterizing the potential of any given release to cause harm to public health or the environment.

Control No.: 9320.7-04FS
NTIS Order No.: PB91-921302/CCE
Price Code: A01

Field Test of the Proposed Revised Hazard Ranking System ★

August , 1989
OERR/HSED
140 pages

Assesses the costs and implementation concerns associated with the modifications in the EPA's Hazard Ranking System (HRS). Examines feasibility, costs, and information availability related to the revised HRS.

Control No.: 9320.7-00
EPA/540/P-90/001
NTIS Order No.: PB90-222746/CCE
Price Code: A07

Procedures for Completion and Deletion of National Priorities List Sites and Update

April 1989
OERR/HSCD
61 pages

Focuses on the technical determination the completion of cleanup at Superfund sites and the subsequent procedural requirements for deleting sites from the National Priorities List (NPL).

Control No.: 9320.2-03A
Control No.: 9320.2-03B
NTIS Order No.: PB90-274556/CCE
Price Code: A04 (Sold as a Set)

The Revised Hazard Ranking System: An Improved Tool for Screening Superfund Sites ★

November 1990
OERR/HSED
6 pages

Summarizes the revisions in the Hazard Ranking System (HRS) and reviews what modifications were made in comparison to the original HRS. 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.

Control No.: 9320.7-01FS
NTIS Order No.: PB91-921307/CCE
Price Code: A01

The Revised Hazard Ranking System: Background Information ★

November 1990
OERR/HSED
14 pages

Provides background information and a summary of the revisions in the Hazard Ranking System (HRS). The system is used to assess relative risks from hazardous waste sites.

Control No.: 9320.7-03FS
NTIS Order No.: PB91-921303/CCE
Price Code: A03

The Revised Hazard Ranking System: Qs and As ★

November 1990
OERR/HSED
10 pages

Discusses the revisions in the Hazard Ranking System (HRS) in a questions and answers format.

Control No.: 9320.7-02FS
NTIS Order No.: PB91-921305/CCE
Price Code: A02

General

Accessing Federal Data Bases for Contaminated Site Clean-Up Technologies

May 1991
OSWER/TIO
32 pages

Provides information on those systems maintaining data on remedial technologies. May be used as a pointer to repositories of technical information. Contains information on specific data elements, system uses, hardware and software requirements, and access.

Control No.: 9380.1-07
EPA/540/8-91/008
NTIS Order No.: PB91-921288/CCE
Price Code: A03

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

September 1988
OSWER/TIO
54 pages

Provides an overview of site remediation technologies used in the United States and Europe. Recommends efforts to transfer European technologies to the United States.

Control No.: 9380.0-10
EPA/540/2-88/003
NTIS Order No.: PB90-106428/CCE
Price Code: A04

Assessment of Tentatively Identified Compounds in Superfund Samples

June 1990
ORD/ERL-ATHENS
10 pages

Compares analysis of stored mass spectral data for 27 semivolatile samples by 7 private laboratories with the reanalysis by the Environmental Research Laboratory, Athens, Georgia.

EPA/600/M-89/030
NTIS Order No.: PB90-253816/CCE
Price Code: A02

Bibliography of Federal Reports and Publications Describing Alternative and Innovative Treatment Technologies for Corrective Action and Site Remediation

May 1991
OSWER/TIO
29 pages

Addresses technologies which provide for the treatment of hazardous wastes. Includes some references for more conventional treatment technologies, such as incineration and solidification. Main focus is on innovative technologies. Scheduled to undergo periodic revisions.

Control No.: 9380.1-08
EPA/540/8-91/007
NTIS Order No.: PB91-921293/CCE
Price Code: A03

Compendium of Technologies Used in the Treatment of Hazardous Wastes

September 1987
ORD/OTTRS
56 pages

Describes applicability and status of a variety of treatment technologies. Includes a non-exhaustive list of vendors, suppliers, and developers.

EPA/625/8-87/014
NTIS Order No.: PB90-274093/CCE
Price Code: A04

Engineering Bulletin: Chemical Dehalogenation Treatment: APEG Treatment

September 1990
ORD/RREL
8 pages

Provides current information on chemical dehalogenation treatment: APEG Treatment and its applicability to aromatic halogenated compounds.

Control No.: 9380.6-01C
EPA/540/2-90/015
NTIS Order No.: PB91-228031/CCE
Price Code: A02

Forum on Innovative Hazardous Waste Treatment Technologies: Domestic and International. Atlanta, Georgia, June 19-21, 1989. Abstract Proceedings

September 1989
OSWER/TIO
56 pages

Presents abstracts of 30 presentations describing successful case studies of physical/chemical, biological, thermal, and stabilization treatment methods. "Forum on Innovative Hazardous Waste Treatment Technologies: Domestic and International," (EPA/540/2-89/056), compiles technical papers presented at the June 1989 conference.

EPA/540/2-89/055
NTIS Order No.: PB90-268509/CCE
Price Code: A04

Forum on Innovative Hazardous Waste Treatment Technologies: Domestic and International

September 1989
OSWER/TIO
329 pages

Control No.: 9380.0-16
EPA/540/2-89/056
NTIS Order No.: PB90-183799/CCE
Price Code: A15

Guide to Treatment Technologies for Hazardous Wastes at Superfund Sites

March 1989
OERR/HSCD
20 pages

Aids in the identification of alternative technologies for treating wastes.

Control No.: 9380.0-18
EPA/540/2-89/052
NTIS Order No.: PB89-190821/CCE
Price Code: A03

Inventory of Treatability Study Vendors

March 1990
OERR/HSCD
303 pages

Facilitates the performance of treatability studies by ensuring that requests for proposals (RFPs) for treatability studies are made available to the broadest subset of contractors.

Control No.: 9380.3-03
EPA/540/2-90/003a
NTIS Order No.: PB91-228395/CCE
Price Code: A14

Laboratory Evaluation of the Low Temperature Characteristics of Four Protective Clothing Materials

January 1991
ORD/RREL
33 pages

Analyses several low-temperature characteristics of Challenge 5100, a new protective clothing material. The material's performance on two stiffness tests is compared to that of three other protective clothing materials: chlorinated polyethylene, polyvinyl chloride/nylon, and butyl/nylon/butyl.

EPA/600/2-91/001
NTIS Order No.: PB91-148452/CCE
Price Code: A03

Superfund Treatment Technologies: A Vendor List

September 1986
OERR/ORD
540 pages

Provides current information, descriptions, and technical information on capability and availability of mobile treatment units.

Control No.: 9380.0-09
EPA/540/2-86/004F
NTIS Order No.: PB87-184578/CCE
Price Code: A23

General

Technical Support Services for Superfund Site Remediation, Second Edition

November 1990
OSWER/TIO
73 pages

Describes technical support services available to EPA field staff. Highlights the significant OSWER and ORD technical assistance programs that have procedures in place to process requests for assistance (e.g. answering a technical question, providing staff to work on the problem, or referring callers to the appropriate source. Updated periodically.

Control No.: 9380.1-14
EPA/540/8-90/011
NTIS Order No.: PB91-921285/CCE
Price Code: A04

SITE Program

American Combustion Pyretron Destruction System: Applications Analysis Report

June 1989
ORD/RREL
54 pages

Discusses advantages of the American Combustion Pyretron Destruction System, an oxygen-enhanced burner system. Analyzes application at uncontrolled hazardous waste sites.

Control No.: 9380.0-35
EPA/540/A5-89/008
NTIS Order No.: PB90-258427/CCE
Price Code: A04

Application Analysis Report: Chemfix Technologies Inc., Solidification/Stabilization Process

May 1991
ORD/RREL
48 pages

Provides an evaluation of the Chemfix Solidification/Stabilization treatment process. Discusses appropriate applications and process limitation particularly reductions of lead and copper.

Control No.:9380.0-49
EPA/540/A5-89/011
NTIS Order No.: PB91-187054/CCE
Price Code: A03

Application Analysis Report: SITE Program, CF Systems Organics Extraction System, New Bedford, Massachusetts.

August 1990
ORD/RREL
74 pages

Summarizes the results of the CF Systems critical fluid organics extraction system. Analyzes best application for this technology.

Control No.: 9380.1-04
EPA/540/A5-90/002
NTIS Order No.: PB91-113845/CCE
Price Code: A04

Applications Analysis Report: SITE Program Demonstration Test Soliditech, Inc. Solidification/Stabilization Process

September 1990
ORD/RREL
59 pages

Evaluates the Soliditech, Inc. Solidification/Stabilization technology. Analyzes contaminant mobility, structure, and integrity of the solidified material.

EPA/540/A5-90/005
NTIS Order No.: PB91-129817/CCE
Price Code: A04

Development of Electro-Acoustic Soil Decontamination (ESD) for In-Situ Applications

April 1990
ORD/RREL
141 pages

Provides an evaluation and demonstrate the removal/concentration of heavy metals such as cadmium and zinc.

EPA/540/5-90/004
NTIS Order No.: PB90-204728/CCE
Price Code: A07

Emerging Technologies: Bio-Recovery Systems Removal and Recovery of Metal Ions from Ground Water

August 1990
ORD/RREL
56 pages

Provides results of laboratory tests and on-site pilot scale demonstration of Bio-Recovery Systems' AlgaSORB technology. Appendices include laboratory analysis results

EPA/540/5-90/005a
NTIS Order No.: PB90-252594/CCE
Price Code: A04

Emerging Technologies: Bio-Recovery Systems Removal and Recovery of Metal Ions from Ground Water. Appendices

August 1990
ORD/RREL
118 pages

EPA/540/5-90/005b
NTIS Order No.: PB90-252602/CCE
Price Code: A06

HAZCON Solidification Process, Douglassville, PA: Applications Analysis Report

May 1989
ORD/RREL
65 pages

Evaluates the HAZCON solidification technology. Analyzes its applicability as an on-site treatment method for waste site cleanup.

Control No.: 9380.0-38
EPA/540/A5-89/001
NTIS Order No.: PB89-206031/CCE
Price Code: A04

International Waste Technologies/Geo-Con In Situ Stabilization/Solidification: Applications Analysis Report

August 1990
ORD/RREL
92 pages

Evaluates applicability of International Waste Technologies as an on-site treatment method for waste site cleanup.

EPA/540/A5-89/004
NTIS Order No.: PB90-269085/CCE
Price Code: A05

Shirco Infrared Incineration System: Applications Analysis Report

June 1989
ORD/RREL
137 pages

Evaluates applicability of the Shirco Infrared Incineration System as an on-site treatment method for waste site cleanup.

Control No.: 9380.0-36
EPA/540/A5-89/010
NTIS Order No.: PB89-233423/CCE
Price Code: A07

SITE Program Demonstration of the Ultrox International Ultraviolet Radiation/Oxidation Technology

January 1990
ORD/RREL
142 pages

Presents field evaluation results of ultraviolet radiation/oxidation technology. Evaluates technology used in treating ground water contaminated with volatile organic compounds.

EPA/540/5-89/012
NTIS Order No.: PB90-198177/CCE
Price Code: A07

Superfund Innovative Technology Evaluation Program: Progress and Accomplishments, Fiscal Year 1989

March 1990
ORD/RREL
84 pages

Annual report to Congress. Summarizes the progress, accomplishments, and results of the Superfund Innovative Technology Evaluation (SITE) program through 1989.

EPA/540/5-90/001
NTIS Order No.: PB90-216516/CCE
Price Code: A05

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

December 1986
OSWER/TIO
58 pages

Describes strategy and program plan, Provides participation information.

Control No.: 9380.2-03
EPA/540/G-86/001
NTIS Order No.: PB87-181939/CCE
Price Code: A04

Superfund Innovative Technology Evaluation; Technology Demonstration Summary, Chemfix Solidification/Stabilization Process, Clackamas, Oregon

December 1990
OSWER/TIO
6 pages

Summarizes demonstration of Chemfix's stabilization/solidification technology.

Control No.: 9380.0-48
EPA/540/S5-89/011
NTIS Order No.: PB91-921373/CCE
Price Code: A02

Superfund Innovative Technology Program: Technology Profiles

November 1989
OERR/RREL
129 pages

Profiles 52 demonstrations and emerging technologies. Discusses appications. Reviews conditions.

Control No.: 9380.0-24
EPA/540/5-89/013
NTIS Order No.: PB90-249756/CCE
Price Code: A07

Technology Evaluation Report: CF Systems Organics Extraction System New Bedford, Massachusetts; Volume 1

January 1990
ORD/RREL
107 pages

Contains information on the performance and cost of processes for use in site assessments. Evaluates specific operating and cost information.

Control No.: 9380.0-47
EPA/540/5-90/002
NTIS Order No.: PB90-186495/CCE
Price Code: A06

Technology Evaluation Report: CF Systems Organics Extraction System New Bedford, Massachusetts; Volume 2

January 1990
ORD/RREL
174 pages

EPA/540/5-90/002
NTIS Order No.: PB90-186503/CCE
Price Code: A08

Technology Evaluation Report: Chemfix Technologies, Inc., Solidification/Stabilization Process Clackamas, Oregon; Volume 1

September 1990
ORD/RREL
134 pages

Reports on the SITE demonstration of the CHEMFIX solidification/stabilization process for treating hazardous waste. Volume 1 includes a comprehensive description of this technology, plus a complete account of the procedures and results of the demonstration. Volume 2 contains the analytical data, QA/QC data, and other information related to this SITE demonstration.

EPA/540/5-89/011a
NTIS Order No.: PB91-127696/CCE
Price Code: A07

Technology Evaluation Report: Chemfix Technologies, Inc., Solidification/Stabilization Process Clackamas, Oregon; Volume 2

September 1990
ORD/RREL
486 pages

EPA/540/5-89/011b
NTIS Order No.: PB90-274127/CCE
Price Code: A21

Technology Evaluation Report: International Waste Technologies/Geo-Con In situ Stabilization/Solidification (Volume 3) Update Report

September 1990
ORD/RREL
54 pages

Updates Volume 1 of the "Technology Evaluation Report: International Waste Technologies/Geo-Con In Situ Stabilization/Solidification," and discusses the results of long term monitoring tests and compares them to the results of the demonstration. Volume 4 updates Volume 2 of the "Technology Evaluation Report: International Waste Technologies/Geo-Con In Situ Stabilization/Solidification," and contains the technical operating data-logs, laboratory analysis, and microstructural analysis.

EPA/540/5-89/004c
NTIS Order No.: PB90-269069/CCE
Price Code: A04

Technology Evaluation Report: International Waste Technologies/Geo-Con In situ Stabilization/Solidification (Volume 4) Update Report

September 1990
ORD/RREL
352 pages

EPA/540/5-89/004d
NTIS Order No.: PB90-269077/CCE
Price Code: A16

Technology Evaluation Report: SITE Program Demonstration Test, the American Combustion Pyretron Thermal Destruction System at the U.S. EPA's Combustion Research Facility

April 1989
ORD/RREL
248 pages

Compares and evaluates performance of the American Combustion, Inc., Thermal Destruction System when fired alone and when mixed with a coal tar waste .

EPA/540/5-89/008
NTIS Order No.: PB89-167894/CCE
Price Code: A11

Technology Evaluation Report: SITE Program Demonstration Test HAZCON Solidification Douglassville, Pennsylvania; Volume 1

February 1989
ORD/RREL
131 pages

Volume 1 summarizes results of the HAZCON Solidification SITE Program Demonstration Test. Volume 2 provides supporting data.

EPA/540/5-89/001a
NTIS Order No.: PB89-158810/CCE
Price Code: A07

Technology Evaluation Report: SITE Program Demonstration Test HAZCON Solidification Douglassville, Pennsylvania; Volume 2

February 1989
ORD/RREL
326 pages

EPA/540/5-89/001b
NTIS Order No.: PB89-158828/CCE
Price Code: A15

Technology Evaluation Report: SITE Program Demonstration Test, International Waste Technologies In Situ Stabilization/Solidification, Hialeah, Florida; Volume 1

June 1989
ORD/RREL
105 pages

Discusses information on the performance and cost of the technology in order to assess its use at uncontrolled hazardous waste sites.

Control No.: 9380.0-37
EPA/540/5-89/004a
NTIS Order No.: PB89-194161/CCE
Price Code: A06

Technology Evaluation Report: SITE Program Demonstration Test, International Waste Technologies In Situ Stabilization/Solidification, Hialeah, Florida; Volume 2

June 1989
ORD/RREL
1121 pages

EPA/540/5-89/004b
NTIS Order No.: PB89-194179/CCE
Price Code: A99

Technology Evaluation Report: SITE Program Demonstration Test of the Shirco Pilot Infrared Incinerator System, Volume 1: Summary of Review

April 1989
ORD/RREL
126 pages

Volume 1 summarizes the effectiveness and technology in thermal destruction of soil contaminants. Volume 2 provides data for the demonstration test.

EPA/540/5-89/007a
NTIS Order No.: PB89-167902/CCE
Price Code: A06

Technology Evaluation Report: SITE Program Demonstration Test of the Shirco Pilot Infrared Incinerator System, Volume 2: Data

April 1989
ORD/RREL
600 pages

EPA/540/5-89/007b
NTIS Order No.: PB89-167910/CCE
Price Code: A25

Technology Evaluation Report: SITE Program Demonstration Test, Soliditech, Inc. Solidification/Stabilization Process; Volume 1

February 1990
ORD/RREL
138 pages

Evaluates solidification/stabilization process focusing on performance and cost. Volume 1 includes contaminant mobility and structural integrity as well as a complete account of the procedures and results of the demonstration. Volume 2 provides the analytical data and other information related to this SITE demonstration.

Control No.: 9380.0-39
EPA/540/5-89/005a
NTIS Order No.: PB90-191750/CCE
Price Code: A07

Technology Evaluation Report: SITE Program Demonstration Test, Soliditech, Inc. Solidification/Stabilization Process; Volume 2

February 1990
ORD/RREL
676 pages

EPA/540/5-89/005b
NTIS Order No.: PB90-191768/CCE
Price Code: A99

Technology Evaluation Report: SITE Program Demonstration Test Terra Vac In Situ Vacuum Extraction System; Volume 1

April 1989
ORD/RREL
112 pages

Discusses the operations of Terra Vac Inc.'s vacuum extraction unit. Volume 1 diagrams the system and contains the final sampling and analytical report including the quality assurance project plan. Volume 2 provides data from the test.

EPA 540/5-89/003a
NTIS Order No.: PB89-192025/CCE
Price Code: A06

Technology Evaluation Report: SITE Program Demonstration Test Terra Vac In Situ Vacuum Extraction System; Volume 2

April 1989
ORD/RREL
337 pages

EPA/540/5-89/003b
NTIS Order No.: PB89-192033/CCE
Price Code: A15

Terra Vac In Situ Vacuum Extraction System: Applications Analysis Report

July 1989
ORD/RREL
65 pages

Evaluates the Terra Vac in situ extraction system and discusses applications.

Control No.: 9380.0-46
EPA/540/A5-89/003
NTIS Order No.: PB90-119744/CCE
Price Code: A04

Toxic Treatments, In Situ Steam/Hot-Air Stripping Technology: Applications Analysis Report

March 1991
ORD/RREL
39 pages

Describes field activities and laboratory results. Provides an interpretation of available data. Discusses the potential applicability of in situ steam/hot-air stripping technology.

EPA/540/A5-90/008
NTIS Order No.: PB91-181768/CCE
Price Code: A03

ULTROX International Ultraviolet Radiation/Oxidation Technology Applications Analysis Report

September 1990
ORD/RREL
80 pages

Analyzes treatment efficiency of the ULTROX technology.

EPA/540/A5-89/012
NTIS Order No.: PB91-129759/CCE
Price Code: A05

Innovative Technologies

Assessing the Geochemical Fate of Deep-Well-Injected Hazardous Waste: A Reference Guide

June 1990
ORD/OTTRS
200 pages

Identifies potentially troubling geochemical reactions and explains how to test for incompatibility.

EPA/625/6-89/025A
NTIS Order No.: PB91-145706/CCE
Price Code: A09

Assessment of Technologies for the Remediation of Radioactively Contaminated Superfund Sites

January 1990
OERR/ORD
115 pages

Evaluates information needs for developing generic treatability studies for the remediation of radiation sites. Categorizes 25 proposed or listed NPL radiation sites and provides a rating system for evaluating remediation technologies. Identifies gaps in data.

Control No.: 9380.0-20
EPA/540/2-90/001
NTIS Order No.: PB90-204140/CCE
Price Code: A06

Engineering Bulletin: In Situ Soil Vapor Extraction Treatment

May 1991
ORD/RREL
12 pages

Summarizes the latest information available on selected treatment and site remediation technologies and related issues.

Control No.: 9380.6-01G
EPA/540/2-91/006
NTIS Order No.: PB91-228072/CCE
Price Code: A03

Furthering the Use of Innovative Treatment Technologies in OSWER Programs

August 1991
OSWER/TIO
20 pages

Describes the use of innovative treatment technologies to better pursue mandates, speed availability of performance data, broaden accepted treatment-based solutions, and lower remediation costs through a larger number of engineering options.

Control No.: 9380.0-17
EPA/540/2-90/004
NTIS Order No.: PB91-921336/CCE
Price Code: A03

Furthering the Use of Innovative Treatment Technologies in OSWER Programs

August 1991
OSWER/TIO
4 pages

Provides an overview of the uses of innovative treatment technologies. Betters the pursuit for mandates, broadens accepted treatment-based solutions, and lowers remediation costs.

Control No.: 9380.0-17FS
NTIS Order No.: PB91-921366/CCE
Price Code: A01

Handbook: Responding to Discharges of Sinking Hazardous Substances

September 1987
OERR/ERD
308 pages

Provides guidance on response to spills of chemicals that sink in water bodies and contaminate bottom materials. Describes the decision making process associated with defining spill parameters and impacts and selecting appropriate response measures. Also describes the cleanup and mitigative technologies that may be used.

Control No.: 9355.0-32
EPA/540/2-87/001
NTIS Order No.: PB91-228346/CCE
Price Code: A13

Innovative Operational Treatment Technologies for Applications to Superfund Sites: Nine Case Studies

April 1990
OSWER/TIO
147 pages

Presents case studies that identify operational data from on-going and completed remediation efforts. Provides process descriptions, performance, and operational and case data.

EPA/540/2-90/006
NTIS Order No.: PB90-202656/CCE
Price Code: A07

Innovative Technology: BEST Solvent Extraction Process

November 1989
OERR/HSCD
5 pages

Describes the BEST solvent extraction process. Discusses site characteristics affecting treatment feasibility, technology considerations, and the status of the first full-scale test units.

Control No.: 9200.5-253FS
NTIS Order No.: PB90-274218/CCE
Price Code: A01

Innovative Technology: Glycolate Dehalogenation

November 1989
OERR/HSCD
5 pages

Describes glycolate dehalogenation as potentially effective in detoxifying specific types of aromatic organic contaminants. Discusses site characteristics affecting treatment feasibility, technology considerations, and the status of new technological developments.

Control No.: 9200.5-254FS
NTIS Order No.: PB90-274226/CCE
Price Code: A01

Innovative Technology: In Situ Vitrification

November 1989
OERR/HSCD
5 pages

Discusses site characteristics affecting treatment feasibility, technology considerations, and the status of new technological developments.

Control No.: 9200.5-251FS
NTIS Order No.: PB90-274192/CCE
Price Code: A01

Innovative Technology: Slurry Phase Biodegradation

November 1989
OERR/HSCD
5 pages

Describes slurry phase biodegradation and its effectiveness in treating various organic contaminants. Also discusses site characteristics affecting treatment feasibility and technology considerations.

Control No.: 9200.5-252FS
NTIS Order No.: PB90-274200/CCE
Price Code: A01

Innovative Technology: Soil Washing

November 1989
OERR/HSCD
5 pages

Describes soil washing and its potential for separating/segregating hazardous materials in solids, sludges, and sediments. Discusses site characteristics affecting treatment feasibility, technology considerations, and the status of new technological developments.

Control No.: 9200.5-250FS
NTIS Order No.: PB90-274184/CCE
Price Code: A01

Innovative Treatment Technologies: Semi-Annual Status Report, January 1991

January 1991
OSWER/TIO
30 pages

Provides information on specific sites that have selected or used innovative treatment technologies. Information serves to track progress. Provides market information to technology vendors. Facilitates communication among innovative technology users.

Control No.: 9380.0-19
EPA/540/2-91/001
NTIS Order No.: PB91-921290/CCE
Price Code: A03

Method for the Supercritical Fluid Extraction of Soils/Sediments

November 1990
ORD/EMSL-LV
256 pages

Evaluates the feasibility of using supercritical fluid extraction as a sample extraction method for pollutants and matrices of concern to the EPA.

EPA/600/4-90/026
NTIS Order No.: PB91-127803/CCE
Price Code: A12

Mobile Treatment Technologies for Superfund Wastes

September 1986
OERR/HSCD
145 pages

Reviews the technologies associated with the use of mobile systems to treat Superfund wastes.

EPA/540/2-86/003F
NTIS Order No.: PB87-110656/CCE
Price Code: A07

Remedial Action, Treatment, and Disposal of Hazardous Waste; Proceedings of the Annual RREL Hazardous Waste Research Symposium (16th), Cincinnati, Ohio, April 3-5, 1990

August 1990
ORD/RREL
668 pages

Presents the latest research findings. Discusses remedial action treatment and control technologies for waste disposal, landfill liner and cover systems, underground storage tanks, and innovative/alternative treatment technologies for hazardous waste.

EPA/600/9-90/037
NTIS Order No.: PB91-148379/CCE
Price Code: A99

Synopses of Federal Demonstrations of Innovative Site Remediation Technologies

May 1991
OSWER/TIO
133 pages

Describes field demonstrations of innovative technologies to treat hazardous waste. Intended to be an information resource for hazardous waste site project managers. Used as a reference tool for assessing the availability and viability of innovative technologies for treating contaminated ground water, soils, and sludge.

Control No.: 9380.1-06
EPA/540/8-91/009
NTIS Order No.: PB91-921284/CCE
Price Code: A07

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

March 12, 1990
OERR/ERD
5 pages

Establishes a formal mechanism to access capabilities in the area of bioremediation of oil spills, hazardous substance spills, and Superfund removal actions.

Control No.: 9380.4-01
NTIS Order No.: PB90-249798/CCE
Price Code: A01

Vendor Information Form, To Be Completed for Participation in the: Vendor Information System for Innovative Treatment Technologies (VISITT)

June 1991
OSWER/TIO
48 pages

VISITT will be used as a tool to screen technologies for remediation. It will direct users to more complete information.

Control No.: 9380.1-12
EPA/540/2-91/011
NTIS Order No.: PB91-921289/CCE
Price Code: A03

Workshop on Innovative Technologies for Treatment of Contaminated Sediments. Cincinnati, Ohio, June 13-14, 1990. Summary Report

November 1990
ORD/RREL
59 pages

Recaps each presentation and panel, including discussion on "Future Direction for Contaminated Sediment Treatment." Other session topics include dredged materials, extraction technologies, and biological/chemical treatment technologies.

EPA/600/2-90/054
NTIS Order No.: PB91-148296/CCE
Price Code: A04

Air

Air/Superfund National Technical Guidance Study Series: Volume 1, Application of Air Pathway Analysis for Superfund Applications, Interim Report (Final)

July 1989
OAQPS
118 pages

Summarizes procedures for evaluating impacts, and the requirements of "air pathway analysis." Volume 2 presents methods for estimating air emissions at Superfund sites. Volume 3 addresses emission of VOCs and particulate matter generated by remedial options. Volume 4 discusses selection of a dispersion model.

Control No.: 9380.5-01A
EPA/450/1-89/001
NTIS Order No.: PB90-113374/CCE
Price Code: A06

Air/Superfund National Technical Guidance Study Series: Volume 2, Estimation of Baseline Air Emissions at Superfund Sites (Revised), Interim Report (Final)

August 1990
OAQPS
390 pages

Control No.: 9380.5-01B
EPA/450/1-89/002A
NTIS Order No.: PB90-270588/CCE
Price Code: A17

Air/Superfund National Technical Guidance Study Series: Volume 3, Estimation of Air Emissions from Clean-up Activities at Superfund Sites, Interim Report (Final)

January 1989
OAQPS
249 pages

Control No.: 9380.5-01C
EPA/450/1-89/003
NTIS Order No.: PB89-180061/CCE
Price Code: A11

Air/Superfund National Technical Guidance Study Series: Volume 4, Procedures for Dispersion Modeling and Air Monitoring for Superfund Air Pathway Analysis, Interim Report (Final)

July 1989
OAQPS
309 pages

Control No.: 9380.5-01D
EPA/450/1-89/004
NTIS Order No.: PB90-113382/CCE
Price Code: A14

Air/Superfund National Technical Guidance Study Series: Contingency Plans at Superfund Sites Using Air Monitoring

September 1990
OAQPS
107 pages

Relates air program established to protect off-site populations. Describes cases of professional judgment as they apply to individual sites.

Control No.: 9380.5-03
EPA/450/1-90/005
NTIS Order No.: PB91-102129/CCE
Price Code: A06

Air/Superfund National Technical Guidance Study Series: Air Stripper Design Manual (Final Report)

May 1990
OAQPS
112 pages

Describes a computer model package "ASPAIR" developed in the project to describe the air stripping process along with processes for controlling air emissions. Provides capital and annualized costs graphs for catalytic oxidation and carbon absorption units used to control the emissions from air strippers.

Control No.: 9380.5-04
EPA/450/1-90/003
NTIS Order No.: PB91-125997/CCE
Price Code: A06

Air/Superfund National Technical Guidance Study Series: Development of Example Procedures for Evaluating the Air Impacts of Soil Excavation Associated with Superfund Remedial Actions (Final Report)

July 1990
OAQPS
80 pages

Identifies and defines the computation requirements for estimating the air impacts from the remediation of Superfund sites. Outlines a set of procedures that could be used to assist in the evaluation of air-pathway effects.

Control No.: 9380.5-05
EPA/450/4-90/014
NTIS Order No.: PB90-255662/CCE
Price Code: A05

Air/Superfund National Technical Guidance Study Series: Emission Factors for Superfund Remediation Technologies

March 1991
OAQPS
91 pages

Contains procedures and example calculations for estimating air emissions generated by contaminated material treatment at Superfund sites.

Control No.: 9380.5-07
EPA/450/1-91/001
NTIS Order No.: PB91-190975/CCE
Price Code: A05

Air/Superfund National Technical Guidance Study Series: Superfund Air Pathway Analyses Review Criteria Checklists (Final Report)

January 17, 1990
OAQPS
64 pages

Presents a systematic approach for air reviewers. Discusses the background, purpose and application of each of four phases, covering the workplan, Remedial Investigation (RI), Feasibility Study (FS), and the Remedial Design (RD).

Control No.: 9380.5-06
EPA/450/1-90/001
NTIS Order No.: PB90-182544/CCE
Price Code: A04

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

May 1990
OERR/ORD
122 pages

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; part 2 presents the technical background.

Control No.: 9285.5-02-1 (Part 1)
EPA/540/2-90/005a
NTIS Order No.: PB90-274283/CCE
Price Code: A06

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

May 1990
OERR/ORD
106 pages

Control No.: 9285.5-02-2 (Part 2)
EPA/540/2-90/005b
NTIS Order No.: PB90-274291/CCE
Price Code: A06

Guidance on Applying the Data Quality Objectives Process for Ambient Air Monitoring Around Superfund Sites (Stages 1 and 2)

August 1989
OAQPS
52 pages

Stages 1 and 2 provide direction and assistance on using the data quality objectives process to design an ambient air monitoring system around a Superfund site. Stage 3 illustrates how the data quality objectives (DQO) process is used to design an ambient air monitoring system that will be adequate for the intended use of the data. Illustrates the complete process of developing a monitoring system for volatile organic compounds in the ambient air.

Control No.: 9380.5-08A
EPA/450/4-89/015
NTIS Order No.: PB90-204603/CCE
Price Code: A04

Guidance on Applying the Data Quality Objectives Process for Ambient Air Monitoring Around Superfund Sites (Stage 3)

March 1990
OAQPS
66 pages

Control No.: 9380.5-08B
EPA/450/4-90/005
NTIS Order No.: PB90-204611/CCE
Price Code: A04

Review and Evaluation of Area Source Dispersion Algorithms for Emission Sources at Superfund Sites (Final Report)

November 1989
OAQPS
124 pages

Examines air quality dispersion modeling algorithms associated with estimating ambient concentrations at Superfund sites. Describes emission characteristics associated with Superfund sites. Reviews available techniques for modeling area sources. Describes the results of area source models that compare concentration predictions.

Control No.: 9380.5-09
EPA/450/4-89/020
NTIS Order No.: PB90-142753/CCE
Price Code: A06

Soil Vapor Extraction VOC Control Technology Assessment (Final Report)

September 1989
OAQPS
74 pages

Investigates and evaluates potential VOC control techniques for use at Soil Vapor Extraction (SVE) sites.

Control No.: 9380.5-10
EPA/450/4-89/017
NTIS Order No.: PB90-216995/CCE
Price Code: A04

TSCREEN: A Model for Screening Toxic Air Pollutant Concentrations (User's Guide)

January 1991
OAQPS
38 pages

Describes TSCREEN, a model for estimating maximum short-term ambient pollution concentrations for a variety of release scenarios from Superfund sites and other sources of toxic air releases. Implements procedures developed in "A Workbook of Screening Techniques for Assessing Impacts of Toxic Air Pollutants," EPA/450/4-88/009 (PB89-13340), and should be used in conjunction with the workbook.

Control No.: 9380.5-11
EPA 450/4-90/013
NTIS Order No.: PB91-141820/CCE
Price Code: A03

User's Guide for the Fugitive Dust Model (FDM) (Final Report)

June 1988
OAQPS
108 pages

Provides a technical description and User's Instructions for the Fugitive Dust Model.

Control No.: 9380.5-12
EPA/910/9-88/202R
NTIS Order No.: PB88-236823/CCE
Price Code: A06

Ground Water

Air/Superfund National Technical Guidance Study Series: Comparisons of Air Stripper Simulations and Field Performance Data (Final Report)

February 1990
OAQPS
112 pages

Compares effectiveness and methods for using air stripping for remediation of contamination of ground water by Volatile Organic Compounds (VOCs).

Control No.: 9380.5-13
EPA/450/1-90/002
NTIS Order No.: PB90-207317/CCE
Price Code: A06

Accuracy of Depth to Water Measurements

August 1989
ORD/RSKERL
4 pages

Discusses the accuracy of depth to water measurements and concludes that the graduated steel tape method is the most accurate for measuring the water level in nonflowing wells. Second in series of issue papers.

EPA/540/4-89/002
NTIS Order No.: PB90-149840/CCE
Price Code: A01

Basic Concepts of Contaminant Sorption at Hazardous Waste Sites

October 1990
ORD/RSKERL
8 pages

Provides guidance for the Regional Superfund Ground Water Forum. Summarizes the basic concepts of sorption in soil and ground water with emphasis on nonpolar organic contaminants.

EPA/540/4-90/053
NTIS Order No.: PB91-191007/CCE
Price Code: A02

Basics of Pump-and-Treat Ground Water Remediation Technology ★

March 1990
ORD/RSKERL
67 pages

Identifies complex chemical and physical interactions between contaminants and subsurface media which may impose limitations on the extraction part of the process.

Control No.: 9380.7-01
EPA/600/8-90/003
NTIS Order No.: PB90-274549/CCE
Price Code: A04

Colloidal-Facilitated Transport of Inorganic Contaminants in Ground Water: Part 1 Sampling Considerations

December 1990
ORD/RSKERL
12 pages

Evaluates routine sampling procedures for determination of aqueous inorganic geochemistry and assessment of contaminant transport by colloidal mobility.

EPA/600/M-90/023
NTIS Order No.: PB91-168419/CCE
Price Code: A03

Considerations in Ground Water Remediation at Superfund Sites

October 18, 1989
OERR/HSCD
8 pages

Summarizes findings from a study on ground water extraction. Presents several recommendations for modifying the approach to ground water remediation.

Control No.: 9355.4-03
NTIS Order No.: PB91-238584/CCE
Price Code: A02

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

June 15, 1989
OERR/HSCD
8 pages

Establishes guidance on control of air emissions from air strippers used at Superfund sites for ground water treatment. Establishes implementation procedures.

Control No.: 9355.0-28
NTIS Order No.: PB90-272667/CCE
Price Code: A02

Ground Water Issue: Dense Nonaqueous Phase Liquids

March 1991
ORD/RSKERL
24 pages

Discusses how dense nonaqueous phase liquids (DNAPLs) limit site remediation actions. Provides an overview of DNAPL phase distribution, monitoring, site characterization, remediation, and modeling.

Control No.: 9380.7-02C
EPA/540/4-91/002
NTIS Order No.: PB91-195974/CCE
Price Code: A03

Determining Soil Response Action Levels Based on Potential Contaminant Migration to Ground Water: A Compendium of Examples

October 1989
OERR/HSCD
145 pages

Presents case studies illustrating various methods to calculate soil clean up based on the potential for hazardous constituents to migrate and contaminate ground water.

Control No.: 9380.0-07
EPA/540/2-89/057
NTIS Order No.: PB90-183575/CCE
Price Code: A07

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

September 1989
OERR/HSCD
65 pages

Provides information assembled from hazardous waste sites throughout the U.S. on how ground water extraction systems are being used, how their performance compares with expectations, and what factors are affecting their success. Volume 1 summarizes general conclusions and observations of the study; Volume 2 presents 19 case studies of individual sites; and Volume 3 presents general information about each site.

Control No.: 9355.4-03 (Volume 1)
EPA/540/2-89/054
NTIS Order No.: PB90-183583/CCE
Price Code: A04

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

October 1989
OERR/HSCD
557 pages

Control No.: 9355.4-03 (Volume 2)
EPA/540/2-89/054b
NTIS Order No.: PB90-274440/CCE
Price Code: A25

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

October 1989
OERR/HSCD
121 pages

Control No.: 9355.4-03 (Volume 3)
EPA/540/2-89/054c
NTIS Order No.: PB90-274457/CCE
Price Code: A06

Selected Technologies: Ground Water

Facilitated Transport
August 1989
ORD/RSKERL
8 pages

Presents the various facilitated transport mechanisms that have been verified in laboratory experiments. Discusses the practical considerations concerning the potential role of facilitated transport at Superfund sites. Third in a series of issue papers.

EPA/540/4-89/003
NTIS Order No.: PB91-133256/CCE
Price Code: A02

Ground Water Modeling: An Overview and Status Report
December 1988
ORD/RSKERL
243 pages

Discusses groundwater models and their application in the management of water resource systems. Reviews developed models and their roles in water resource management.

EPA/600/2-89/028
NTIS Order No.: PB89-224497/CCE
Price Code: A12

Superfund Ground Water Issue: Ground Water Sampling for Metals Analyses
March 1989
ORD/RSKERL
8 pages

Provides technical guidance regarding the filtration of ground water samples for metal analysis. Recommends a dual sampling approach with collection of both filtered and unfiltered samples, requiring added emphasis on appropriate well construction methods, materials, and ground water sampling procedures.

Control No.: 9380.7-02A
EPA/540/4-89/001
NTIS Order No.: PB91-133249/CCE
Price Code: A02

Guidance on Remedial Actions for Contaminated Ground Water at Superfund Sites ★
December 1988
OERR/HSCD
180 pages

Emphasizes decision making issues related to contaminated ground water. 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.

Control No.: 9283.1-02
EPA/540/G-88/003
NTIS Order No.: PB89-184618/CCE
Price Code: A06

Guide on Remedial Actions for Contaminated Ground Water
April 1989
OERR/HSCD
9 pages

Summarizes key issues and objectives presented in the comprehensive guidance, "Guidance on Remedial Actions for Contaminated Ground Water at Superfund Sites," dated December 1988.

Control No.: 9283.1-02FS
NTIS Order No.: PB90-272576/CCE
Price Code: A02

A Guide to Pump and Treat Ground Water Remediation Technology
November 1990
OERR/TIO
8 pages

Summarizes use of available hydrogeological and chemical data to determine when, where, and how pump-and-treat technology can be used successfully to contain and remediate containment plumes. Based on "Basics of Pump-and-Treat Ground Water Remediation Technology" (EPA/600/8-90/003).

Control No.: 9380.7-01FS
EPA/540/2-90/018
NTIS Order No.: PB91-921356/CCE
Price Code: A02

Laboratory Investigation of Residual Liquid Organics From Spills, Leaks and the Disposal of Hazardous Wastes in Ground Water

August 1989
ORD/RSKERL
290 pages

Discusses spatial distribution and saturation of organic liquid within the porous media depends on various processes.

EPA/600/6-90/004
NTIS Order No.: PB90-235797/CCE
Price Code: A13

Leachate Plume Management

November 1, 1985
ORD/RREL
680 pages

Provides an overview of the fundamental concepts, procedures, and technologies used. Serves as a basic reference handbook for governmental and industrial technical personnel working on controlling leachate plumes from uncontrolled hazardous waste sites.

Control No.: 9380.0-05
EPA/540/2-85/004
NTIS Order No.: PB86-122330/CCE
Price Code: A99

A New Approach and Methodologies for Characterizing the Hydrogeologic Properties of Aquifers

January 1990
ORD/RSKERL
236 pages

Provides motivation and new methodology for measuring the distribution of horizontal hydraulic conductivity in the vertical direction in the vicinity of a test well. Suggests that two-dimensional profiles replace limited dispersion dominated models.

EPA/600/2-90/002
NTIS Order No.: PB90-187063/CCE
Price Code: A11

ORD Ground Water Research Plan: Strategy for 1991 and Beyond

September 1990
ORD/OTTRS
18 pages

Describes the direction of EPA programs in ground water research, including an emphasis on the prevention and remediation of ground water contamination. Focuses on increasingly sophisticated technical knowledge.

EPA/600/9-90/042
NTIS Order No.: PB91-145482/CCE
Price Code: A03

Reductive Dehalogenation of Organic Contaminants in Soils and Ground Water

January 1991
ORD/RSKERL
16 pages

Discusses several mechanisms, such as the addition of nutrients to meet the needs of dehalogenating microorganisms, which result in the dehalogenation of some classes of organic contaminants.

EPA/540/4-90/054
NTIS Order No.: PB91-191056/CCE
Price Code: A03

Remediation Completed: But is the Ground Water Meeting the Safe Drinking Water Act Requirements?

May 1990
ORD/OERR
22 pages

Discusses technology research being conducted in drinking water that might be useful to other ground water treatment programs. Analyzes the development of technology under one program and its affective use in other programs. Outlines barriers which limit the transfer of research between programs.

EPA/600/D-90/089
NTIS Order No.: PB90-262999/CCE
Price Code: A03

Selected Technologies: Ground Water

Subsurface Contamination Reference Guide ★

October 1990
OERR/HSCD
26 pages

Provides a matrix of commonly occurring contaminants in ground water at Superfund sites and contaminant characteristics. Identifies innovative technologies to enhance ground water remediation. Provides an estimate of relative uncertainty in achieving full restoration for contaminant classes and environments. Assists in developing remediation strategies amd initial remedial goals. Three tables are included with this guide.

Control No.: 9283.1-04
EPA/540/2-90/011, a, b
NTIS Order No.: PB91-921292/CCE
Price Code: A03

Suggested ROD Language for Various Ground Water Remediation Options

October 10, 1990
OERR/HSCD
9 pages

Suggests standard language that may be employed to correspond to site-specific remediation scenarios such as Final Actions, Contingency Measures/Goals, and Interim Actions. Supplements Directive No. 9355.4-03 "Consideration on Ground Water Remediation at Superfund Sites," dated October 18, 1986.

Control No.: 9283.1-03
NTIS Order No.: PB91-921325/CCE
Price Code: A02

Superfund Ground Water Issue: Contaminant Transport in Fractured Media; Models for Decision Makers

August 1989
ORD/RSKERL
10 pages

Presents up-to-date information related to ground water remediation at Superfund sites as discussed by the Regional Superfund Ground Water forum. Includes mathematical models.

EPA/540/4-89/004
NTIS Order No.: PB90-268517/CCE
Price Code: A02

Incineration

Engineering Bulletin: Mobile/Transportable Incineration Treatment

September 1990
ORD/RREL
10 pages

Describes systems that can be moved to and from Superfund and other hazardous waste sites. Provides information on the technical applicability, the latest performance data, site requirements, and the status of the technology.

Control No.: 9380.6-01B
EPA/540/2-90/014
NTIS Order No.: PB91-228023/CCE
Price Code: A02

Land Disposal

Guidance Document on Cleanup of Surface Impoundment Sites

July 17, 1986
OERR/HSCD
46 pages

Addresses remedial actions for the cleanup of contaminated surface impoundments. Provides information on the scoping and performance of limited RI and limited FS. To be used as a supplement to EPA guidance documents.

Control No.: 9380.0-06
NTIS Order No.: PB87-110664/CCE
Price Code: A03

Soil and Debris

Characterization and Laboratory Soil Treatability Studies for Creosote and Pentachlorophenol Sludges and Contaminated Soil

September 1988
ORD/RSKERL
151 pages

Describes results of a three-phase study of on-site treatability potential of soils containing hazardous constituents from wood-treatment waste.

EPA/600/2-88/055
NTIS Order No.: PB89-109920/CCE
Price Code: A08

Covers for Uncontrolled Hazardous Waste Sites

September 1985
ORD/RREL
554 pages

Provides guidance for the design of cover systems. Offers information on soil properties tests, materials for impermeable applications, site preparation, support material, equipment, and quality control and assurance.

Control No.: 9380.0-13
EPA/540/2-85/002
NTIS Order No.: PB87-119483/CCE
Price Code: A24

Development and Demonstration of a Pilot-Scale Debris Washing System

April 1991
ORD/RREL
12 pages

Describes a technology specifically used for on-site decontamination of debris.

EPA/600/J-91/082
NTIS Order No.: PB91-196626/CCE
Price Code: A03

Dust Control at Hazardous Waste Sites; Handbook

November 1985
ORD/RREL
99 pages

Describes methods of controlling fugitive dust from contaminated land surfaces and possible resultant non-air impacts. Includes information on equipment, decontamination, and worker protection.

Control No.: 9380.0-14
EPA/540/2-85/003
NTIS Order No.: PB86-190105/CCE
Price Code: A05

Engineering Bulletin: In Situ Steam Extraction Treatment

May 1991
ORD/RREL
9 pages

Provides information on in situ steam extraction applicability, description and limitations of said technology, the latest performance data, types of residuals produced, site requirements, status of technology, and sources for further information.

Control No.: 9380.6-01F
EPA/540/2-91/005
NTIS Order No.: PB91-228064/CCE
Price Code: A02

Engineering Bulletin: Thermal Desorption Treatment

May 1991
ORD/RREL
10 pages

Provides current information on the process of physically separating volatile and some semivolatile contaminants from soil, sediments, sludges and filter cakes by temperature thermal desorption.

Control No.: 9380.6-01H
EPA/540/2-91/008
NTIS Order No.: PB91-228080/CCE
Price Code: A02

Selected Technologies: Soil and Debris

Engineering Bulletin: Slurry Biodegradation

September 1990
ORD/RREL
10 pages

Provides current information. Discusses applicability in treating high concentrations of soluble organic contaminants in soils and sludges.

Control No.: 9380.6-01D
EPA/540/2-90/016
NTIS Order No.: PB91-228049/CCE
Price Code: A02

Engineering Bulletin: Solvent Extraction Treatment

September 1990
ORD/RREL
10 pages

Provides current information on solvent extraction treatment as a means of separating hazardous contaminants from soils, sludges, and sediments.

Control No.: 9380.6-01A
EPA/540/2-90/013
NTIS Order No.: PB91-228015/CCE
Price Code: A02

Ground Water Issue: Characterizing Soils for Hazardous Waste Site Assessments

March 1991
ORD/RSKERL
16 pages

Provides technical guidance on current scientific information about soil characterization at hazardous waste sites.

Control No.: 9380.7-02B
EPA/540/4-91/003
NTIS Order No.: PB91-921294
Price Code: A03

Engineering Bulletin: Soil Washing Treatment

September 1990
ORD/RREL
12 pages

Provides current information on Soil Washing as a process to remove undesirable contaminants. Discusses costs, alternatives, areas of use, and technological applicability.

Control No.: 9380.6-01E
EPA/540/2-90/017
NTIS Order No.: PB91-228056/CCE
Price Code: A03

Enhanced Bioremediation Utilizing Hydrogen Peroxide as a Supplemental Source of Oxygen: A Laboratory and Field Study

February 1990
ORD/RSKERL
58 pages

Investigates the feasibility of using hydrogen peroxide as a supplemental source of oxygen for bioremediation of an aviation gasoline fuel spill.

EPA/600/2-90/006
NTIS Order No.: PB90-183435/CCE
Price Code: A04

A Guide: Methods for Evaluating the Attainment of Cleanup Standards for Soils and Solid Media

July 1991
OERR/HSCD
8 pages

Highlights statistical concepts and methods used in the evaluation of the attainment of cleanup standards. Provides an example of a basic procedure for determining sample size required to obtain a given confidence level. Focuses on cleanup standards specified as a mean concentration with a specified confidence. Does not provide policy on specification of cleanup levels.

Control No.: 9355.4-04FS
NTIS Order No.: PB91-921365/CCE
Price Code: A02

Handbook on In Situ Treatment of Hazardous Waste-Contaminated Soils

January 1990
OERR/HSCD
171 pages

Publication

Updates Volume 1 of "Review of In-Place Treatment Techniques for Contaminated Surface Soils." Provides state-of-the-art information.

Control No.: 9380.0-22
EPA/540/2-90/002
NTIS Order No.: PB90-155607/CCE
Price Code: A08

Rationale for the Assessment of Errors in the Sampling of Soils

July 1990
ORD/EMSL-LV
66 pages

Publication

Describes the nature and function of certain quality assurance samples in the assessment and documentation of bias and precision in sampling studies of inorganic pollutant concentrations in soils.

EPA/600/4-90/013
NTIS Order No.: PB90-242306/CCE
Price Code: A04

Superfund Engineering Issue: Treatment of Lead Contaminated Soils

April 1991
ORD/RREL
10 pages

Fact Sheet

Summarizes a seminar on treatment of lead-contaminated soils. Intended to summarize the information presented during the seminar and should not be viewed as a definitive treatise on lead treatment technologies.

Control No.: 9380.7-03A
EPA/540/2-91/009
NTIS Order No.: PB91-921291/CCE
Price Code: A03

Pilot Study on International Information Exchange on Dioxins and Related Compounds: Inventory of Regulations/Statutes Concerning Dioxins and Related Compounds

August 1988
ORD
143 pages

Publication

Provides an inventory of 120 dioxin regulations and statutes from participating nations. Illustrates trends in addressing such problems as incinerator emissions, PCBs, pentachlorophenol, drinking water, emergency response, and hazardous wastes.

EPA/600/6-90/017
NTIS Order No.: PB91-125799/CCE
Price Code: A07

Soil Vapor Extraction Technology Reference Handbook (Final)

February 1991
ORD/RREL
330 pages

Publication

Describes the subsurface environment and the basic sciences of subsurface monitoring, emission control, and treatment costs. Describes the proceedings of an expert workshop on state-of-the-art vapor extraction technology.

EPA/540/2-91/003
NTIS Order No.: PB91-168476/CCE
Price Code: A15

Superfund Treatability Clearinghouse Abstracts

August 1989
OERR/HSCD
121 pages

Publication

Presents studies collected to aid in the development of treatment methods for excavated soils. Contains treatability data for technologies handling soil and debris.

Control No.: 9380.0-26
EPA/540/2-89/001
NTIS Order No.: PB90-119751/CCE
Price Code: A06

Selected Technologies: Soil and Debris

Survey of Materials-Handling Technologies Used at Hazardous Waste Sites

June 1991
ORD/RREL
226 pages

Summarizes the types of debris, material, and contaminants found at Superfund and other hazardous waste sites, and the material-handling equipment and general procedures used to perform site restoration and cleanup.

Control No.: 9380.1-13
EPA/540/2-91/010
NTIS Order No.: PB91-921283/CCE
Price Code: A11

Technology Screening Guide for Treatment of CERCLA Soils and Sludges

September 1988
OERR/HSCD
140 pages

Provides a screening methodology for treatment technologies suitable for the management of soils and sludges containing CERCLA waste. Presents information for each of the treatment technologies on the generic system, unique systems, the developmental status, process schematics, characteristics affecting treatment performance, and contacts.

Control No.: 9380.0-25
EPA/540/2-88/004
NTIS Order No.: PB89-132674/CCE
Price Code: A07

Treatability Potential for EPA Listed Hazardous Wastes in Soil

March 1989
ORD/RSKERL
134 pages

Develops comprehensive screening data on the treatability in soil of specific listed hazardous organic chemicals, and waste sludge from explosives production (K044) and related chemicals.

Control No.: 9380.0-28
EPA/600/2-89/011
NTIS Order No.: PB89-166581/CCE
Price Code: A07

Surface Waters and POTWs

CERCLA Site Discharges to POTWs: Guidance Manual ★

September 1990
OERR/HSCD
226 pages

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).

Control No.: 9330.2-09
EPA/540/G-90/005
NTIS Order No.: PB90-274531/CCE
Price Code: A11

CERCLA Site Discharges to POTWs CERCLA Site Sampling Program Detailed Data Report

August 1990
OERR/OW
251 pages

Evaluates the feasibility of discharging wastes from CERCLA sites to publicly owned treatment works.

Control No.: 9330.2-12
EPA/540/2-90/008
NTIS Order No.: PB91-921270/CCE
Price Code: A12

CERCLA Site Discharges to POTWs Treatability Manual

August 1990
OERR/OW
631 pages

Presents a compilation of technical information and treatability data on CERCLA wastewater discharges. Useful for evaluating feasibility of discharging Superfund site wastes to Publicily Owned Treatment Works (POTWs).

Control No.: 9330.2-11
EPA/540/2-90/007
NTIS Order No.: PB91-921269/CCE (Manual)
Price Code: A99
NTIS Order No.: PB91-507236/CCE (Diskette and Manual)
Price Code: D03

Guide to Discharging CERCLA Aqueous Wastes to Publicly Owned Treatment Works (POTWs)

March 1991
OERR/HSCD
5 pages

Provides quick reference to the statutory, policy, administrative, and technical factors involved in discharging aqueous wastes generated during Superfund response actions to a POTW.

Control No.: 9330.2-13FS
NTIS Order No.: PB91-921364/CCE
Price Code: A01

6 Archived Document List

Control Number	Title
9200.0-03C	OSWER Superfund Telephone Directory; April 1990; PB91-921328/CCE
9200.2-01	Unaddressed NPL Sites; July 6, 1989; PB90-258294/CCE
9200.2-2	Superfund Program Evaluation Handbook Fiscal Year 1987; PB90-183047/CCE
9200.2-10	Progress Toward Implementing Superfund: FY-87 — Report to Congress; April 1989; PB90-233548/CCE
9200.2-11	Progress Toward Implementing Superfund: FY-88 — Report to Congress; April 1990; PB91-921204/CCE
9200.3-01C	Superfund Program Management Manual, FY-90: Volume 1; July 1989; PB90-204199/CCE
9200.3-01C	Superfund Program Management Manual, FY-90: Volume 2, Appendices; July 1989; PB90-204207/CCE
9200.3-01D	Superfund Program Management Manual, FY-91: Volumes 1 & 2; June 1990; PB90-273707/CCE
9200.3-02	Implementation Strategy for Reauthorized Superfund: Short Term Priorities for Action; October 24, 1986; PB91-215004/CCE
9200.3-03	Superfund Comprehensive Accomplishments Plan (SCAP), Fiscal Year 1987, October 28, 1986; PB91-214262/CCE
9200.3-05	Flexibility in the FY 1988 Superfund Regional Extramural Operating Plan; June 7,1988; PB91-214155/CCE
9200.3-08	Flexible Funding in Regional Extramural Operating Plan — Superfund Management Review, Recommendation #10; December 11, 1989; PB90-249467/CCE
9200.5-000	Superfund: A Six-Year Review Perspective; October 1986; PB90-249483/CCE
9200.5-005	Office of Solid Waste and Emergency Response; Annual Report, Fiscal Year 1988; November 1988; PB90-272519/CCE
9200.5-120	National On-Scene Coordinator Directory; November 1989; PB90-249509/CCE
9200.5-210	ROD (Record of Decision) Annual Report, FY-88; July 1989; PB89-235212/CCE
9200.5-301FS	Preliminary Assessment Petition; November 1988; PB90-273723/CCE
9200.5-302	SI/HRS Information Bulletin; April 1989; PB90-258310/CCE
9221.0-01	Data Handling Support for CERCLIS; March 4, 1986; PB91-214999/CCE
9230.1-01	Interim Guidance on Technical Assistance Grants; March 20, 1987; PB91-215012/CCE
9230.1-02	Technical Assistance Grants Program Activities Prior to the Issuance of the Interim Final Rule; PB91-214254/CCE
9234.0-02	CERCLA Compliance With Other Environmental Statutes; October 2, 1985; PB91-214098/CCE
9234.2-01/FS	Applicable or Relevant and Appropriate Requirements (ARARs) Qs & As; May 1989; PB90-273780/CCE

Control Number	Title
9240.0-01A	User's Guide to the Contract Laboratory Program; December 1986; PB91-214296/CCE
9240.0-06	Sampler's Guide to the Contract Laboratory Program; December 1990; PB91-921267/CCE
9242.4-01A	Technical Assistance Team (TAT) Contracts Users' Manual; September 1987; PB91-214163/CCE
9275.1-01	Superfund Removal Program Financial Management Authority, Responsibility and Procedures; July 11, 1984; PB91-214130/CCE
9275.2-01	Superfund Remedial Program Financial Authority, Responsibilities and Procedures; September 21, 1984; PB91-214106/CCE
9283.1-01	Recommendations for Ground Water Remediation at the Millcreek, PA Site; March 24, 1986; PB91-214213/CCE
9295.2-03	Interagency Agreement Between the Corps of Engineers and EPA in Executing P.L. 96.510; December 3, 1984; PB91-214114/CCE
9295.3-01	Memorandum of Understanding Between DOD and EPA for the Implementation of P.L. 96-510 (CERCLA); August 12, 1983; PB91-213488/CCE
9295.5-01	Memorandum of Understanding Between the Federal Emergency Management Agency and EPA for the Implementation of CERCLA Relocation Activities Under P.L. 96.510 (CERCLA); April 8, 1985; PB91214072/CCE
9320.1-09	Listing Municipal Landfills on the National Priorities List; August 21, 1987; PB90-249608/CCE
9320.6-01	Hazardous Waste Sites: Descriptions of Sites on Current National Priorities List, October 1984; PB85-224756/CCE
9330.2-5	CERCLA Off-Site Policy - Providing Notice to Facilities; May 12, 1986; PB90-249624/CCE
9330.2-6	CERCLA Off-Site Policy - Eligibility of Facilities in Assessment Monitoring; July 28, 1986; PB90-249632/CCE
9345.0-01	Preliminary Assessment Guidance Fiscal Year 1988; January 1988; PB90-183054/CCE
9345.2-01	Pre-Remedial Strategy for Implementing SARA; February 12, 1988; PB91-215038/CCE
9345.2-02	Regional Pre-Remedial Program Objectives for FY89 and First Quarter FY90; March 10, 1989; PB91-214239/CCE
9345.2-03	Regional Site Assessment Program Objectives for FY-90; January 5, 1990; PB91-921334/CCE
9355.0-04A	Superfund Remedial Design and Remedial Action (RD/RA) Guidance; June 1, 1986; PB88-107529/CCE
9355.0-14	A Compendium of Superfund Field Operations; December 1, 1987; PB88-181557/CCE
9355.0-19	Interim Guidance on Superfund Selection of Remedy; December 24, 1986; PB91-214940/CCE
9355.0-24	OSWER Strategy for Management Oversight of the CERCLA Remedial Action Start Mandate; December 28, 1987; PB90-258351/CCE
9355.1-01	Superfund Federal-Lead Remedial Project Management Handbook; December 1986; PB87-183133/CCE
9355.2-01	Superfund State-Lead Remedial Project Management Handbook; December 1986; PB87-183141/CCE

Control Number	Title
9355.3-01	Guidance for Conducting Remedial Investigations and Feasibility Studies (RI/FS) Under CERCLA; October 1988; PB89-184626/CCE
9355.3-07	Results of FY-88 Record of Decision Analysis; May 1, 1989; PB90-249665/CCE
9355.3-08	Fiscal Year 1990 Regional Coordination Plan and Themes for the Remedial Investigation Feasibility Study and Selection of Remedy Process; November 30, 1989; PB90-249673/CCE
9355.3-13	National Technical Information Service; Record of Decision Abstracts FY82-FY85; February 1986; PB91-227363/CCE
9355.6-03	ROD (Record of Decision) Annual Report, FY-86; January 1987; PB87-199550/CCE
9360.0-02B	Removal Cost Management Manual; April 1988; PB90-153891/CCE
9360.0-03B	Superfund Removal Procedures: Revision Number Three; February 1988; PB90-192055/CCE
9360.0-15	The Role of Expedited Response Actions Under SARA; April 21, 1987; PB91-214221/CCE
9360.0-16A	Guidance for Conducting Federal-Lead Underground Storage Tank Corrective Actions; July 25, 1989; PB90-273913/CCE
9360.0-18	Removal Program Priorities; March 31, 1988; PB91-205484/CCE
9360.5-00	Proposed Guidelines for the Clean-up of Drug Laboratories; June 2, 1989; PB90-272709/CCE
9360.6-02	Superfund Emergency Response Actions: A Summary of Federally-Funded Removals Volume 1; May 1987; PB90-197310/CCE
9360.6-03	Superfund Emergency Response Actions: A Summary of Federally-Funded Removals Volume 2; June 1988; PB90-197328/CCE
9360.6-04	Superfund Emergency Response Actions: A Summary of Federally-Funded Removals Volume 3; June 1989; PB90-214354/CCE
9375.1-11	Guidance: Procurement Under Superfund Remedial Cooperative Agreements; PB88-242524/CCE
9375.5-01	40 CFR Part 35 Subpart O, Cooperative Agreements and Superfund State Contracts for Superfund Response Actions; March 10, 1989; PB91-214270/CCE
9375.5-02	Interim Final Guidance on Indian Involvement in the Superfund Program; October 1989; PB91-214304/CCE
9375.5-03	Political Subdivision-Lead for Remedial Response; May 1, 1989; PB91-214148/CCE
9375.6-08	An Analysis of State Superfund Programs: 50-State Study; September 1989; PB90-272733/CCE
9380.1-09	Technology Support Services for Superfund Site Remediation: Interim Directory; February 1990; PB91-1228353/CCE
9380.5-01B	Air/Superfund National Technical Guidance Study Series: Volume 2, Estimation of Baseline Air Emissions at Superfund Sites Interim Report (Final); PB89-180053/CCE
9800.0	Superfund Enforcement Strategy and Implementation Plan; April 12, 1990; PB91-138842/CCE
9833.00-1A	Guidance on CERCLA 106(a) Unilateral Administrative Orders for Remedial Designs and Remedial Actions; March 13, 1990; PB91-139089/CCE

Control Number	Title
9833.03A-1	Final Guidance on Administrative Records for Selection of CERCLA Response Actions; December 3, 1990; PB91-139121/CCE
9834.10	Interim Guidance on Notice Letters, Negotiations, and Information Exchange; October 19, 1987; PB91-139253/CCE
9836.0	Interim Guidance on Community Relations Activities at Superfund Enforcement Sites; March 22, 1985; PB91-139501/CCE
9837.2	Enforcement Project Management Handbook; September 18, 1989; PB90-780115/CCE
9837.2	Enforcement Project Management Handbook; July 1989; PB90-780115/CCE
9840.2	Final FY86 SCAP Instructions; June 27, 1985; PB91-139592/CCE
9840.0	FY 1986 Superfund Comprehensive Accomplishments Plan; December 24, 1984; PB91-139576/CCE
9840.1	FY 86 SCAP Passback; May 9, 1985; PB91-139584/CCE
9992.4	Federal Facilities Hazardous Waste Compliance Manual (Final Report); January 9, 1990; PB90-188749/CCE

Archived documents having only an agency or Department of Transporation number are listed below:

540/5-88/003	Superfund Innovative Technology Information Service: Technology Profiles; November 1988; PB89-132690
DOT-TSC-RSPA	Impacts of CERCLA Release Notification Requirements on Transportation of Products Containing Hazardous Substances; August 1986; PB87-110870/CCE

Archived documents having only an NTIS order number are listed below:

PB82-213984	Notification of Hazardous Waste Sites Required Under Section 103(c) of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) of 1980; March 1982
PB82-213992	Region 1; March 1982
PB82-214008	Region 2; March 1982
PB82-214016	Region 3; March 1982
PB82-214024	Region 4; March 1982
PB82-214032	Region 5; March 1982
PB82-214040	Region 6; March 1982
PB82-214057	Region 7; March 1982
PB82-214065	Region 8; March 1982
PB82-214073	Region 9; March 1982
PB82-214081	Region 10; March 1982
PB89-114144	ROD (Record of Decision) Annual Report, FY-87; July 1988

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ACTION MEMORANDA - (*See also* Section 5, Abstracts: Removal Action)
A Guide to Developing Action Memorandums; PB91-921317/CCE 74
Superfund Removal Procedures: Action Memorandum Guidance ★; PB90-274473/CCE 76

ADMINISTRATION - (*See* Section 5, Abstracts: Administration and Management)

ADMINISTRATIVE ENFORCEMENT PROCEDURES - (*See also* Administrative Orders, and Section 5, Abstracts: Enforcement (CERCLA) -- Litigation Support)
Transmittal of Guidance on Use and Enforcement of CERCLA Information Requests and Administrative Subpoenas; PB91-139170/CCE 35
Transmittal of Model Consent Decree for CERCLA Section 104 (e) Information Request Enforcement Actions; PB91-193417/CCE 35

ADMINISTRATIVE ORDERS - (*See also* Section 5, Abstracts: Enforcement (CERCLA) -- Litigation Support: Administrative Order)
Administrative Order on Consent for Remedial Investigations/Feasibility Study; PB91-139378/CCE 40
Evaluation of, and Additional Guidance on, Issuance of Unilateral Administrative Orders (UAOs) for RD/RA; PB91-201764/CCE 39
Final Guidance on Administrative Records for Selection of CERCLA Response Actions; PB91-139121/CCE 39
Guidance on CERCLA 106 (a) Unilateral Administrative Orders for Remedial Designs and Remedial Actions; PB91-139089/CCE 39
Guidance on CERCLA Section 106 Judicial Actions; PB91-139428/CCE 41
Issuance of Administrative Orders for Immediate Removal Actions; PB91-139105/CCE 39
Model Unilateral Order for Remedial Design and Remedial Action; PB91-139097/CCE 40
Interim Model CERCLA Section 122 (g) (4) De Minimis Waste Contributor Consent Decree and Administrative Order on Consent; PB91-139204/CCE 32
Use of CERCLA Section 106 Unilateral Enforcement for Remedial Design and Remedial Action: Strategy for Fiscal Year 1990; PB91-139733/CCE 30

ADMINISTRATIVE RECORD - (*See also* Section 5, Abstracts: Enforcement (CERCLA) -- Program Implementation: Community Relations, Litigation Support: Cost Recovery; Removal Action)
Community Relations During Enforcement Activities and Development of the Administrative Record; PB91-139519/CCE 48

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Compendium of CERCLA Response Selection Guidance Documents; PB91-139139/CCE 39
Cost Recovery Actions Under CERCLA; PB91-138966/CCE 36
Guidance on Documenting Decisions Not to Task Cost Recovery Actions; PB91-139048/CCE 37
Model Litigation Report for CERCLA Sections 106 and 107 and RCRA Section 7003; PB91-139451/CCE 42
Small Cost Recovery Referrals; PB91-139006/CCE 38

AGENCY FOR TOXIC SUBSTANCES AND DISEASE REGISTRY (ATSDR)
Guidance for Coordinating ATSDR Health Assessment Activities with the Superfund Remedial Process; PB91-214080/CCE 82

AIR
Air/Superfund National Technical Guidance Study Series: Contingency Plans at Superfund Sites Using Air Monitoring; PB91-102129/CCE 99
Environmental Asbestos Assessment Manual; Superfund Method for the Determination of Asbestos in Ambient Air, Part 1: Method (Interim Version); PB90-274283/CCE 100
Field Standard Operating Procedures For Air Surveillance (F.S.O.P. #8); PB91-213843/CCE 81

AIR EMISSIONS
Air/Superfund National Technical Guidance Study Series:
Volume 1, Application of Air Pathway Analysis for Superfund Applications, Interim Report (Final); PB90-113374/CCE 99
Volume 2, Estimation of Baseline Air Emissions at Superfund Sites (Revised), Interim Report (Final); PB90-270588/CCE 99
Volume 3, Estimation of Air Emissions from Clean-up Activities at Superfund Sites, Interim Report (Final); PB89-180061/CCE 99
Volume 4, Procedures for Dispersion Modeling and Air Monitoring for Superfund Air Pathway Analysis, Interim Report; PB90-113382/CCE 99
Superfund Air Pathway Analyses Review Criteria Checklists (Final Report); PB90-182544/CCE 100
Development of Example Procedures for Evaluating the Air Impacts of Soil Excavation Associated with Superfund Remedial Actions (Final Report); PB90-255662/CCE 100
Contingency Plans at Superfund Sites Using Air Monitoring; PB91-102129/CCE 99
Air Stripper Design Manual (Final Report); PB91-125997/CCE 99
Emission Factors for Superfund Remediation Technologies; PB91-190975/CCE 100
Control of Air Emissions From Superfund Air Strippers at Superfund Ground Water Sites ★; PB90-272667/CCE 103

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Dust Control at Hazardous Waste Sites; Handbook; PB86-190105/CCE 107
Review and Evaluation of Area Source Dispersion Algorithms for Emission Sources at Superfund Sites (Final Report); PB90-142753/CCE 101
TSCREEN: A Model for Screening Toxic Air Pollutant Concentrations (User's Guide); PB91-141820/CCE 101
User's Guide for the Fugitive Dust Model (FDM) (Final Report); PB88-236823/CCE 101

AIR STRIPPERS - (*See also* Section 5, Abstracts: Technology -- Selected Technologies: Ground Water)
Air/Superfund National Technical Guidance Study Series:
Volume 1, Application of Air Pathway Analysis for Superfund Applications, Interim Report (Final); PB90-113374/CCE 99
Volume 2, Estimation of Baseline Air Emissions at Superfund Sites (Revised), Interim Report (Final): PB90-270588/CCE 99
Volume 3, Estimation of Air Emissions from Clean-up Activities at Superfund Sites, Interim Report (Final); PB89-180061/CCE 99
Volume 4, Procedures for Dispersion Modeling and Air Monitoring for Superfund Air Pathway Analysis, Interim Report; PB90-113382/CCE 99
Comparisons of Air Stripper Simulations and Field Performance Data (Final Report); PB90-207317/CCE 102
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Control of Air Emissions From Superfund Air Strippers at Superfund Ground Water Sites ★; PB90-272667/CCE 103

ANALYSIS - (*See also* Contract Laboratory Program, Data Quality, Sampling)
Assessment of Tentatively Identified Compounds in Superfund Samples; PB90-253816/CCE 88
Guidance on Applying the Data Quality Objectives Process for Ambient Air Monitoring Around Superfund Sites:
Stages 1 and 2; PB90-204603/CCE 101
Stage 3; PB90-204611/CCE 101
Quantifying Effects in Ecological Site Assessments: Biological and Statistical Considerations; PB91-129189/CCE 83

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PB91-921367/CCE	Superfund LDR Guide #10: Guide to Obtaining No Migration Variances for CERCLA Remedial Actions		9.00		9.00	
PB91-921309/CCE	CERCLA Compliance with the RCRA Toxicity Characteristics (TC) Rule: Part 2		9.00		9.00	
PB91-921318/CCE	Superfund LDR Guide to RCRA Management Require ments for Mineral Processing Wastes		9.00		9.00	
PB90-274515/CCE	ARCS Construction Contract Modification Procedures		12.50		9.00	
PB90-273822/CCE	Approval of Long-Term Contracting Strategy for Superfund (Superfund Management Review: Recommendation E. 2)		17.00		9.00	
PB91-921308/CCE	Long-Term Contracting Strategy for Superfund		9.00		9.00	
PB90-258336/CCE	Model Performance Standards for SUPERFUND Project Officers, Deputy Project Officers, and Work Assignment Managers/Delivery Order Officers		17.00		9.00	
PB90-153875/CCE	Management Review of the Superfund Program		26.00		9.00	
PB90-153883/CCE	Management Review of the Superfund Program: Implementation Plan		26.00		9.00	
ANALYTICAL SERVICES						
PB90-249558/CCE	Decentralization of Superfund Bottle Repository Functions		17.00		9.00	
PB90-191545/CCE	Guidelines for Effective Management of the Contract Laboratory Program, Part 1: Contract Award; Part 2: Contract Administration		43.00		12.50	
PB90-249541/CCE	Superfund Analytical Data Review and Oversight		12.50		9.00	
PB91-921278/CCE	User's Guide to the Contract Laboratory Program		19.00		9.00	
PUBLIC PARTICIPATION						
PB89-180830/CCE	Community Relations In Superfund: A Handbook (Interim Guidance)		26.00		9.00	
PB90-273749/CCE	Community Relations: Use of Senior Environmental Employees in Superfund (Superfund Management Review: Recommendation 43.K,L)		12.50		9.00	
PB91-921344/CCE	Innovative Methods to Increase Public Involvement in Superfund Community Relations (Superfund Management Review Recommendation #43.A)		12.50		9.00	
PB91-921322/CCE	Making superfund Documents Available to the Public Throughout the Clean-up Process and Discussing Site Findings and Decisions as they are Developed		12.50		9.00	
PB91-921345/CCE	Minimizing Problems Caused by Staff Turnover (Superfund Management Review: Recommendations #43, M, N, O)		9.00		9.00	
PB 90-249533/CCE	Planning for Sufficient Community Relations		12.50		9.00	
PB90-273764/CCE	Proposed Method to Evaluate the Effectiveness of Community Involvement in Superfund (Superfund Manage ment Review: Recommendation No. 43.A)		12.50		9.00	
PB91-921306/CCE	Public Awareness Signs at Superfund Sites		9.00		9.00	
PB90-273756/CCE	Role of Community Interviews in the Development of a Community Relations Program for Remedial Response		9.00		9.00	
				Subtotal		

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NTIS ORDER FORM SUPPLEMENT—Side 4

		Printed Copy		Microfiche		
		Quantity	Unit Price	Quantity	Unit Price	TOTAL PRICE
PB90-273731/CCE	Superfund Responsiveness Summaries (Superfund Management Review: Recommendation No. 43.E)		12.50		9.00	
PB91-921320/CCE	Using State and Local Officials to Assist in Community Relations		12.50		9.00	
PB90-273772/CCE	Superfund Technical Assistance Grants (TAG) Brochure		12.50		9.00	
REMEDIAL ACTION						
PB90-272659/CCE	Advancing the Use of Treatment Technologies for Superfund Remedies		12.50		9.00	
PB90-272634/CCE	Data Quality Objectives for Remedial Response Activi ties Example Scenario: RI/FS Activities at a Site with Contaminated Soils and Groundwater (Volumes 1 & 2)		35.00		12.50	
PB91-921205/CCE	Conducting Remedial Investigations/Feasibility Stud ies for CERCLA Municipal Landfill Sites		43.00		12.50	
PB90-272675/CCE	The Feasibility Study: Detailed Analysis of Remedial Action Alternatives		12.50		9.00	
PB90-274416/CCE	The Feasibility Study: Development and Screening of Remedial Action Alternatives		12.50		9.00	
PB90-274390/CCE	Getting Ready: Scoping the RI/FS		12.50		9.00	
PB90-249772/CCE	Guide for Conducting Treatability Studies Under CERCLA (Interim Final)		26.00		9.00	
PB89-184626/CCE	Guidance for Conducting Remedial Investigations and Feasibility Studies (RI/FS) Under CERCLA		26.00		9.00	
PB90-273855/CCE	A Guide to Developing Superfund Proposed Plans		9.00		9.00	
PB90-273863/CCE	A Guide to Selecting Superfund Remedial Actions		12.50		9.00	
PB90-274408/CCE	The Remedial Investigation: Site Characterization and Treatability Studies		12.50		9.00	
PB90-273871/CCE	Guidance on Expediting Remedial Design and Reme-dial Action		19.00		9.00	
PB90-249707/CCE	Guidance on EPA Oversight of Remedial Designs and Remedial Acrions Performed by Potentially Respon sible Parties; Interim Final		19.00		9.00	
PB91-921265/CCE	Guidance on Preparing Superfund Decision Docu ments: The Proposed Plan, The Record of Decision, Explanation of Significant Differences, The Record of Decision Amendment		35.00		12.50	
REMOVAL ACTION						
PB90-191966/CCE	Emergency Response Cleanup Services Contracts (ERCS): User's Manual		35.00		12.50	
PB90-274465/CCE	Final Guidance on Implementation of the "Consistency" Exemption to the Statutory Limits on Removal Actions		12.50		9.00	
PB89-167969/CCE	Guidance Document For Providing Alternative Water Supplies		19.00		9.00	
PB90-274481/CCE	Quality Assurance/Quality Control Guidance for Remova Activities: Sampling QA/QC Plan and Data Validation Procedures (Interim Final)		19.00		9.00	
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		Printed Copy		Microfiche		
		Quantity	Unit Price	Quantity	Unit Price	TOTAL PRICE
PB92-963401/CCE	Superfund Removal Procedures: Guidance on the Consideration of ARARs During Removal Actions		17.00		9.00	
PB90-274473/CCE	Superfund Removal Procedures: Action Memorandum Guidance		19.00		9.00	
PB91-921315/CCE	Assessing Reports of Continuous Releases of Hazardous Substances; A Guide for EPA Regions		17.00		9.00	
PB91-921261/CCE	Continuous Release Emergency Response Notification System and Priority Assessment Model; Model Documentation		19.00		9.00	
PB91-921262/CCE	Continuous Release Emergency Response Notification System and Priority Assessment Model; User's Manual for EPA Regions		19.00		9.00	
PB91-921287/CCE	Continuous Release Emergency Response Notification System: User's Manual for Industry		17.00		9.00	
PB91-921263/CCE	Reporting Requirements for Continuous Releases of Hazardous Substances; A Guide for Facilities and Vessels on Compliance		17.00		9.00	
PB90-274523/CCE	HAZMAT Team Planning Guidance		19.00		9.00	
PB90-204157/CCE	Health and Safety Audit Guidelines: SARA Title I, Section 126		26.00		9.00	
PB90-258344/CCE	OSWER Integrated Health and Safety Policy		17.00		9.00	
PB90-249590/CCE	Standard Operating Safety Guidelines		26.00		9.00	
RISK ASSESSMENT AND RISK MANAGEMENT						
PB91-921208/CCE	Guidance for Data Usability in Risk Assessment, Interim Report		35.00		12.50	
PB91-921312/CCE	Guidance for Data Usability in Risk Assessment		12.50		9.00	
PB90-155581/CCE	Risk Assessment Guidance for Superfund, Volume 1: Human Health Evaluation Manual, Part A. Interim Final		35.00		12.50	
PB90-155599/CCE	Risk Assessment Guidance for Superfund, Volume 2: Environmental Evaluation Manual, Interim Final		19.00		9.00	
PB91-921314/CCE	Human Health Evaluation Manual, Supplemental Guidance: Standard Default Exposure Factors		17.00		9.00	
PB89-135859/CCE	Superfund Exposure Assessment Manual		26.00		9.00	
SITE ASSESSMENT						
PB92-963303/CCE	Guidance for Performing Preliminary Assessments Under CERCLA		35.00		17.00	
PB91-921331/CCE	Management of Investigation-Derived Wastes During Site Inspections		19.00		9.00	
PB91-921348/CCE	CERCLIS Listing		12.50		9.00	
PB91-921302/CCE	Closing the NPL Book under the Original HRS		9.00		9.00	
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		Quantity	Unit Price	Quantity	Unit Price	TOTAL PRICE
PB90-222746/CCE	Field Test of the Proposed Revised Hazard Ranking System		26.00		9.00	
PB91-921307/CCE	The Revised Hazard Ranking System: An Improved Tool for Screening Superfund Sites		9.00		9.00	
PB91-921303/CCE	The Revised Hazard Ranking System: Background Information		17.00		9.00	
PB91-921305/CCE	The Revised Hazard Ranking System: Q's & A's		12.50		9.00	
TECHNOLOGY						
PB90-274549/CCE	Basics of Pump-and-Treat Ground Water Remediation Technology		19.00		9.00	
PB90-272667/CCE	Control of Air Emissions From Superfund Air Strippers at Superfund Ground Water Sites		12.50		9.00	
PB90-183583/CCE	Evaluation of Ground-Water Extraction Remedies, Volume 1 Summary Report		19.00		9.00	
PB90-274440/CCE	Evaluation of Ground Water Extraction Remedies, Volume 2: Case Studies 1-19 (Interim Final)		59.00		N/A	
PB89-184618/CCE	Guidance on Remedial Actions for Contaminated Ground Water at Superfund Sites		26.00		9.00	
PB91-921292/CCE	Subsurface Contamination Reference Guide		17.00		9.00	
PB90-274531/CCE	CERCLA Site Discharges to POTWs: Guidance Manual		35.00		12.50	
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				GRAND TOTAL (all pages)		

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