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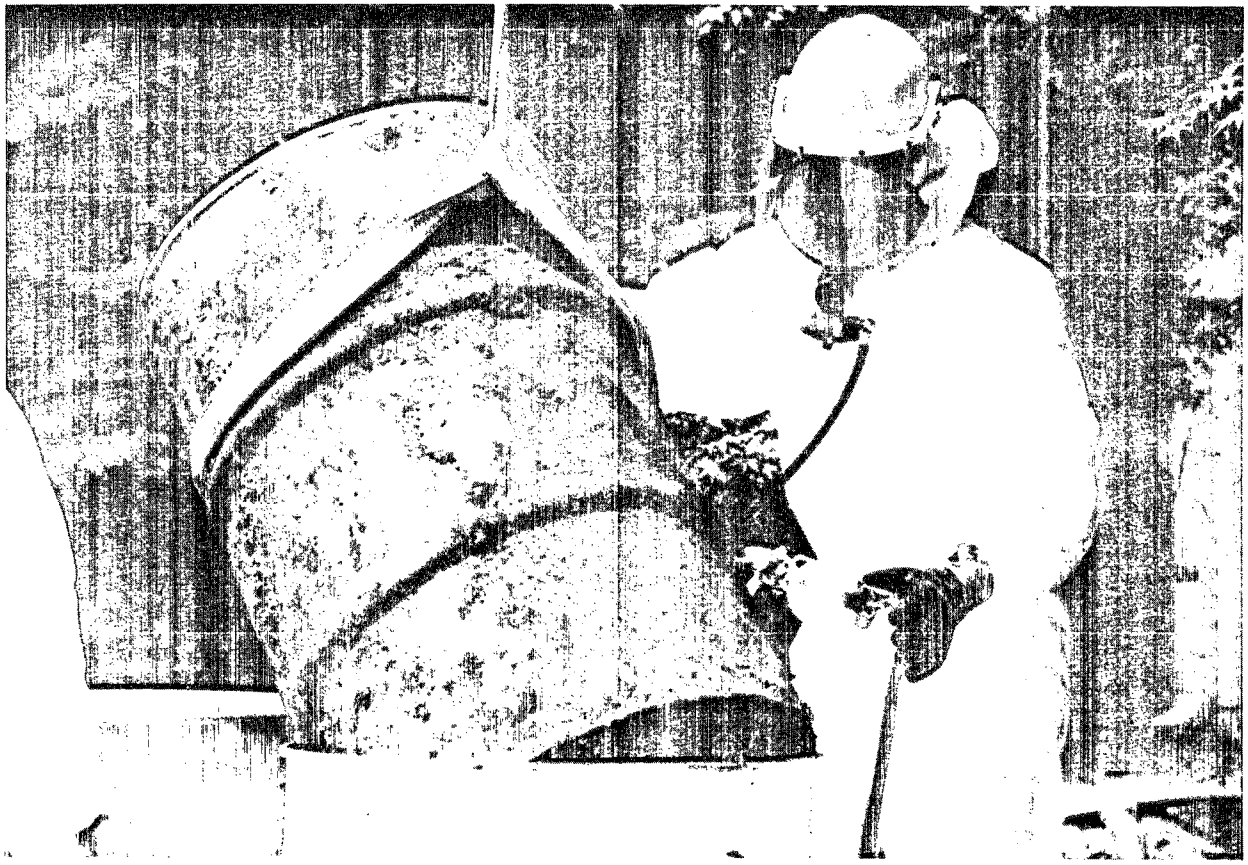
EPA

Superfund Emergency Response Actions

A Summary of Federally Funded Removals

Fourth Annual Report - Fiscal Year 1989



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A Summary of Federally Funded Removals

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Office of Solid Waste and Emergency Response

Printed on Recycled Paper

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SUPERFUND EMERGENCY RESPONSE ACTIONS

Fourth Annual Report

The Superfund removal program has achieved significant accomplishments in responding to environmental emergencies, cleaning up hazardous waste sites, and making sites safe. For this reason, EPA publishes the Superfund Emergency Response Actions Summary, which provides the public with valuable information about Superfund removal actions undertaken by EPA. This document is updated annually. The Fourth Annual Report, which is the third update to the initial document, summarizes the Superfund removal actions undertaken by EPA between October 1988 and September 1989.

Don R. Clay
Assistant Administrator
Office of Solid Waste and Emergency Response

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THE SUPERFUND REMOVAL PROGRAM

In response to increasing national hazardous waste disposal problems, Congress passed the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), commonly known as Superfund. This law was passed in 1980. Superfund authorizes the Federal government to work with State and local governments and private parties to provide responses to releases of hazardous substances and inactive hazardous waste sites.

Superfund cleanups were financed by a $1.6 billion Trust Fund collected over the first five-year period of the program. The Fund was financed through taxes paid by manufacturers, producers, and exporters and importers of oil and designated chemical substances. It can be used to provide both short-term actions and long-term cleanup, with the latter generally undertaken only at inactive waste sites listed on the National Priorities List (NPL). Short-term actions are referred to as removal actions, while long-term actions at NPL sites are referred to as remedial actions. Short-term actions (which also include emergency responses) occur in response to hazardous substance releases at both NPL and non-NPL sites.

During the sixth year of the program, Congress appropriated funds so that removal actions could continue while the law was being reauthorized. On October 17, 1986, the Superfund Amendments and Reauthorization Act (SARA) was enacted. SARA reauthorized Superfund for five more years and provided for a Fund of $8.5 billion. The new Superfund raised the statutory limitations on removal actions from 6 months to 12 months and from $1 million to $2 million. These statutory limitations may be exceeded if site conditions meet one of the two CERCLA exemptions. The "emergency" exemption permits a waiver to the limitations if: 1) there is an immediate risk to public health, welfare, or the environment, 2) continued response actions are immediately required to prevent, limit, or mitigate an emergency, and 3) assistance will not otherwise be provided on a timely basis. The second exemption, referred to as the "consistency" exemption, was enacted under the new Superfund law and permits a waiver to the limitations where a continued response action is appropriate and consistent with the remedial action to be taken. In addition, removal actions, to the maximum extent possible, must contribute to the efficient performance of long-term remedial actions.

The National Oil and Hazardous Substances Pollution Contingency Plan, referred to as the National Contingency Plan (NCP), establishes procedures and standards for responding to releases of hazardous substances, pollutants, and contaminants. The NCP details the responsibilities of 14 Federal agencies and State and local governments for cleaning up releases of hazardous substances and oil spills to all media: land, air, surface water, and groundwater. The lead responsibility for emergencies occurring inland or in inland waters belongs to the U.S. Environmental Protection Agency (EPA). Primary responsibility for addressing accidental releases in or near coastal waters and the Great Lakes rests with the U.S. Coast Guard (USCG). Although other Federal agencies (i.e., the Federal Emergency Management Agency and the Agency for Toxic Substances and Disease Registry) do not lead Fund-financed actions, they provide assistance as necessary. In addition, special technical assistance teams and cleanup contractors provide significant support to removal actions.

The Superfund removal program, which manages removal actions and emergency responses, is characterized by close cooperation among Federal, State, and local government agencies and between government and industry. Removal sites are discovered through referral from State, local, and other Federal agencies; the general public; other EPA program offices; removal program inspection efforts; and through notifications to the Federal government as required under CERCLA Section 103(a). In FY 89, there were 6,510 CERCLA 103(a) notifications to the Federal government of releases of CERCLA hazardous substances. In addition to these CERCLA notifications, there were 11,165

notifications to the Federal government of releases of substances suspected of being CERCLA hazardous substances or that posed a potential threat to the environment. Upon notification or site discovery, the EPA or USCG On-Scene Coordinator (OSC) evaluates the reported incident and determines whether or not a Federal response is warranted. EPA maintains a technical team on call 24 hours a day to respond to emergencies.

In FY 89, approximately 70 percent of all completed removal actions listed in CERCLIS were led by EPA or USCG (with the support and assistance from industry, other Federal agencies, and/or State and local agencies). The remaining 30 percent of these completed removals, including emergency responses, were conducted by the responsible party (e.g., generator, transporter, or disposer) with support from EPA or USCG.

Although removal actions must be flexible and tailored to the specific needs of each site, some response activities are common to many removal actions.

Some of these typical activities are noted below:

- Sampling drums, storage tanks, lagoons, surface water, groundwater, and the surrounding soil and air;
- Installing security fences and providing other security measures;
- Removing and disposing of containers and contaminated debris;
- Excavating contaminated soil and debris, and restoring the site;
- Pumping out contaminated liquids from overflowing lagoons; and
- Collecting contaminants through drainage systems or skimming devices.

Other activities might include providing alternate water supplies, installing decontamination devices, evacuating threatened individuals, and providing of temporary shelter for these individuals.

Occasionally unforeseen circumstances, such as adverse weather conditions, vandalism, fire, or explosions, arise and a "restart" is necessary. A restart is the initiation of additional removal activities at a site where there has been a previously completed removal. In FY 89, 34 restarts were completed. (In the descriptions of the removal actions, a restart is connoted by a +.)

Potential and actual releases of hazardous substances are extremely variable in size, threat, and location. The Superfund removal program is capable and available to address all such situations, as long as CERCLA and NCP response criteria are met. Actions under the removal program can range from erecting a fence to removing and disposing of thousands of drums.

In FY 89, EPA Regions performed many technologically or logistically complex responses, often using state-of-the-art technologies. The variability in hazardous substance releases and sites is reflected in the wide range of removal program activities and methods of response. For example, response to two incidents involving compressed gas cylinders, described below, varied according to site-specific situations. Other examples of notable removal actions that were performed in FY 89 are also described below.

NOTABLE REMOVAL ACTIONS OF FY 89

- <u>Eastern Surplus</u>

The Eastern Surplus Site (EPA Region I), located in Meddybemps, Maine, contained large volumes of scrap metal, junk cars, old appliances, miscellaneous personnel equipment, and a variety of hazardous materials including ammunition. These materials were stored in compressed gas cylinders, drums, and 5-gallon cans. In addition, the site also included a trailer full of calcium carbide and numerous electrical transformers containing oil contaminated with polychlorinated biphenyls (PCBs).

The discovery of the hazardous materials on the site prompted a removal action by the Maine Department of Environmental Protection (ME DEP), which removed all ammunition and disposed of 4,650 gallons of waste oil, 2,400 gallons of PCB oil, and 117 transformer casings. After having expended $370,000 on these activities, ME DEP requested that EPA continue site operations as a removal action. An immediate removal action was initiated in November 1986. The removal action at the site was extremely complex and was conducted in several phases due to the large variety of contaminants and materials present at the site and the various ways in which these materials were stored.

Compressed gas cylinder disposal took place in two phases, the first between July and December 1988 and the second in October 1989. During the first phase, the US DOD accepted responsibility for all compressed gas cylinders of military origin.

All cylinders had to be either treated or vented on the property due to the aging and instability of the compounds in the cylinders. The cylinders were inspected, and their contents were identified by the type of cylinder and valve, and by their markings. The cylinders were then categorized according to the characteristics of their contents. Cylinders containing atmospheric gases, such as oxygen, nitrogen, and carbon dioxide were vented to the atmosphere. Cylinders containing flammable gases were vented and burned under controlled conditions. Cylinders containing chlorine were neutralized by bubbling their contents through a caustic soda solution.

Twenty cylinders contained ethylene oxide, which had become shock-sensitive with age, making them unsafe to transport off the site. These cylinders were explosively opened and their contents burned under controlled conditions. During the explosion, all parties wore Level B personal protective equipment on site (highly protective gear, including a self-contained breathing apparatus). The air downwind of the detonation site was monitored in order to ensure safe reentry for the residents.

During the second part of the disposal of compressed gases, the manufacturers of the remaining cylinders disposed of eight commercial cylinders. One cylinder containing nitric oxide was thought to have become shock-sensitive with age and could not be moved. It was explosively opened and the contents burned under controlled conditions on site. Also, as part of the monitoring program, the CAMEO II computer Air Model Program was utilized to determine the direction and concentration of the vented plume. Air monitors were placed in the area that the computer model determined could be affected by a release. The other seven cylinders were identified, overpacked, and transported to the manufacturer for controlled venting.

- <u>Chemical Control Corporation</u>

In 1980, the Chemical Control Corporation in Elizabeth, New Jersey (EPA Region II) was consumed in a fire which burned for 10 days. The fire and resulting explosions were fueled by 35,000 drums that were improperly stored on the facility. The resulting contaminant plume impacted areas within a 50-mile radius of the site. The ensuing cleanup lasted four years, but did not address any of the 188 charred compressed gas cylinders discovered at the facility. In 1984, technology was not available to safely dispose of these cylinders, therefore they were overpacked in specially designed cylinder sleeves and staged in place.

In 1989, the EPA removal program contracted for use of the patented Cylinder Recovery Vessel (CRV) process to identify the contents of the cylinders, treat the contaminants, and dispose of the cylinders. The process consisted of remotely sampling each cylinder in the explosion resistant CRV unit, analyzing the contents in the on-site laboratory, and transferring the cylinder contents to the appropriate on-site treatment unit. The basic process was modified to include sampling, analysis, and treatment (if necessary) of the cylinder overpacks.

The on-site laboratory was equipped with a gas chromatograph and a mass spectrometer. These instruments were linked into the site computer which contained a database of over 2,000 chemicals. Following the analysis, the database was searched for a match with the sample drawn from the sampling port. This automated identification process provided accurate results, usually within fifteen minutes. Treatment selection was based on the type and quantity of material in the CRV unit.

Four treatment units were available, three of which were located inside the Vapor Containment Area (VCA), an adjustable structure which served as the tertiary containment area. A portable sampling rig was designed to sample and treat the cylinder overpacks that were too large to fit inside the CRV unit. Approximately 78 percent of the overpacks contained explosive mixtures of hydrogen which had been generated by the naturally occurring oxidation of the cylinders. As a result, each overpack was grounded to reduce ignition potential from static electricity.

Of all the cylinders containing gas, approximately 85 percent required on-site treatment. Some of the treated materials included: iron pentacarbonyl, vinyl bromide, sulfur dioxide, propadiene, cyanogen, hydrogen chloride, and several short-chain hydrocarbon compounds. The entire process took twelve weeks to complete.

- General Refining

EPA Region IV originally responded to this abandoned waste-oil recycling facility in Garden City, Georgia in 1985. This removal involved cleanup of lagoons of oily corrosive liquids, sludges, and sediments having high concentrations of lead and other metals (which were extracted during the oil recycling process). During the 1985 removal action, water was treated using an on-site wastewater treatment process and sludges were treated using a solvent extraction process.

Filter cake and solidified lagoon sediments (contaminated with lead) were stockpiled on site during the original removal; however, this material still presented a potential for lead to leach from the sediment to the soil, groundwater, and surface water. Lead levels in soil were still as high as 10,000 ppm following this response.

A second removal was initiated at this site in 1989, to address elevated lead levels in the soil and stockpiled lagoon sediments. A treatability study was conducted in order to assess the feasibility of on-site fixation/solidification and to design the optimum mix of fixation agents to soil. Cement, kiln dust, and fly ash were mixed in various preparations with the contaminated soil. Samples of the product were then subjected to rigorous testing. The chosen mix consisted of one part kiln dust to one part contaminated soil.

The field application of the treatment technology required specialized equipment. A power screen was brought on site to sieve the contaminated soil to a suitable grain size and to remove any foreign material such as wood, brick, or concrete. After power screening, the waste was loaded into a pug mill where the kiln dust and water were added. All three feedstocks were metered so that the designed proportions were maintained.

Quality was assured and controlled on the project by periodically sampling the solidified material, analyzing it for total lead, and conducting an EP Toxicity test for lead. The objective of this quality assurance/quality control (QA/QC) was to keep the leachable lead levels below the EPA drinking water standard of 50 ppb. The weighbelts and flow meters which metered the three different feedstocks were periodically checked for accuracy.

The end product was conveyed into dump trucks and consolidated into a monolith on a cleared area of the site. The monolith was two to four feet thick and covered approximately 6 acres. A vegetative soil cover was placed over the monolith. Approximately 10,000 cubic yards of waste were treated.

- Dayton Tire

The Dayton Tire site (EPA Region V) was a large inactive industrial facility in Dayton, Ohio which manufactured tires from 1941 to 1980. The buildings contained many large electrical capacitors and transformers which used coolant liquids containing PCBs. After the facility was closed and abandoned, salvagers and looters caused widespread damage in their attempts to recover metals. Some of this damage resulted in PCB oil contamination in many areas of the buildings. Additionally, large amounts of asbestos insulation had been stripped and pulverized, thus creating a significant friable asbestos problem.

The State responded to a PCB-contaminated oil release in April 1987 when approximately 1,600 gallons of contaminated oil flowed into nearby Wolf Creek after vandals damaged transformers on the roof of the facility. Samples from building surfaces on site and sediments from Wolf Creek indicated PCB concentrations as high as 22,900 ppm. The State immediately requested EPA assistance in initiating response activity.

Phase I of the removal consisted of removing contaminated sediments from the creek and placing booms in the creek to prevent further inflow of contaminants from the site. Phase II consisted of decontaminating the building and surrounding soil, and removing, sealing, or isolating the friable asbestos.

Helicopters removed large transformers from the building and an adjacent rail line transported the waste material. Several experimental techniques for removing PCBs from concrete surfaces were tried, but scabbling of the building surfaces was proven the only effective method for decontamination.

- Bull Chemical

The Bull Chemical site (EPA Region VI) was an inactive chemical storage, sales, and blending facility located on 2.2 acres in Spring, Harris County, Texas. The facility had a history of air, water, and solid waste operational violations with the county, including 1,162 deteriorated and leaking drums, 16 leaking bulk storage tanks, and contaminated soil. In August 1988, EPA conducted a site inspection and noted a significant potential for off-site migration of chemicals. Contaminants of concern include chlorinated solvents, corrosive products, dichloropropane, styrene, toluene, diamine, chloroform, and other volatile chemicals. On June 27, 1989, a removal action was initiated at this site to mitigate the surface threat. All storage tank liquids/sludges were removed and drummed wastes were overpacked and removed.

A total of 67,102 gallons of bulk liquids were shipped to RCRA-approved facilities for incineration and/or hazardous fuels blending; 239 drums of solids, 305 cubic yards of stabilized tank sludge, and 275 cubic yards of crushed drums and contaminated debris were placed in Federally-approved landfills; and 180,000 pounds of scrap metal in bulk storage tanks were sent to a metal recycling facility. In addition, 451 drums/containers were voluntarily removed form the site by the Potentially Responsible Parties (PRPs). The site was secured by a 5-foot chainlink fence and padlocked gate.

- Scott Lumber Company

The Scott Lumber Company (Region VII) is an abandoned facility in Oregon County, Missouri. From 1973 until it filed for bankruptcy in 1985, the company used creosote to preserve railroad ties. The abandoned site consisted of a tie treatment area, an office, a maintenance and boiler building area, and equipment storage an debris areas.

Vapors created during tie treatment were condensed and discharged into a small pond, which overflowed into the Culp Branch of Piney Creek. Investigations also revealed that a creosote spill of 300 to several thousand gallons occurred on site.

Soil sample analyses revealed that 105,000 square feet (approximately 19 percent of the site) were contaminated to levels that exceeded EPA's action levels for total polynuclear aromatic hydrocarbons (PAHs), which include benzo-a-pyrene (BAP). Concentrations for PAHs were as high as 64,000 ppm, while those for BAP were 260 ppm. PRPs did not take responsibility for the site; therefore EPA began cleanup in September 1985.

Site preparation for a removal action using bioremediation began on July 11, 1988. Contaminated soil was removed from an area of 20,000 square feet and to a depth of 6 inches. A liner, designed as a temporary storage surface to prevent the spread of contamination, was installed in this excavated area. During 1988 and 1989, approximately 16,380 tons of contaminated soil were excavated and stockpiled in preparation for treatment. The site was graded and contoured, a drainage system was installed, and layers of clay and sand were spread to produce a treatment cell of approximately 8 acres.

Treatment of creosote-contaminated soil through bioremediation will take place in two phases. In the first phase, a total of 9,200 tons (approximately one-half of the total soil to be treated) of contaminated soil was spread on the land treatment cell. In the second phase, the remaining half will be spread on the treatment cell when bioremediation of the first half is complete. The soil in the treatment cell will be watered, fertilized, and tilled to produce optimal conditions for bioremediation. Water from the treatment cell will be recirculated over the contaminated soil. If the microbes are not increasing rapidly, they will be cultivated in the laboratory for reintroduction into the soil. Various monitoring devices have been installed to determine if wastes have or may impact groundwater and/or air. The goal of the bioremediation process is to reduce concentrations of PAH to less than 500 ppm, and BAP (the most dangerous PAH present on site) to less than 14 ppm.

All creosote-contaminated soil will be treated through bioremediation, except for 95 tons of more highly contaminated sludge excavated from the creosote treatment containment basin. This sludge was isolated in five trailers and shipped to a hazardous waste disposal site.

- Norco Battery

The Norco Battery site, located in Norco, Riverside County, California (EPA Region IX), consists of a 4-acre residential property, and the former location of a battery recycling business. Soil sampling conducted by Riverside County Department of Health (RCDH) in July 1985 identified lead concentrations ranging from 8 ppm to 67,000 ppm on the property and adjacent properties. Battery casings were found several hundred yards off site. RCDH contacted the EPA for assistance on May 15, 1987.

EPA initiated an removal action which included application of a polymer soil sealant to the site to prohibit dust movement. Due to the presence of off-site (residential property) contamination, a community relations campaign was organized by EPA and RCDH, and sampling was conducted to characterize the extent of contamination both on and off site. Approximately 16 acres were characterized by collecting and analyzing 929 samples in an on-site laboratory.

Removal operations began in February 1988. Cement fixation technology was determined to be the most appropriate for the mitigation of this site. During the analysis of treatment technologies, EPA's Enforcement Branch identified N.L. Industries as an additional potentially responsible party (PRP) and sent an administrative order to the company. Mitigative actions were initiated by N.L. Industries on August 15, 1988. The company completed a portion of the site remediation required by the order, but they stopped all work in December 1989.

Federal removal activities began in February 1989, and occurred in two phases. Phase I activities (February 9 to March 23, 1989) included design and

excavation of the containment cell; excavation of contaminated soil and stockpiling of the soil on site; monitoring the progress of the site cleanup using an X-ray fluorescence (XRF) spectrometer; conducting a geophysical survey; and sampling and monitoring air. During April and May 1989, contractors negotiated for the implementation of the cement fixation technology proposed for site mitigation.

Phase II work (June 1 to November 14, 1989) encompassed all on-site fixation activities. Daily operations included soil fixation, air monitoring and sampling, medical monitoring of removal team personnel in cooperation with the USCG Pacific-Area Strike-Team (PST), soil sampling, and conducting XRF field surveys. A total of 7,300 tons of contaminated soil was processed.

Removal activities concluded with decontaminating and sampling an on-site residence; excavating off-site soil contamination that resulted from dust generated during the fixation operations; capping the cement monolith with lime; and regrading and re-vegetating the site. A land use restriction was placed on the site to prohibit all activities that could breach the monolith.

- Martin Electric

Martin Electric, an inactive, privately owned company in Lake Oswego, Oregon (EPA Region X) was involved in the purchase and resale of electric transformers from 1962 until 1979. As a result of transformer handling activities, soil at the Martin Electric site was contaminated with polychlorinated biphenyls (PCBs). EPA and PRP sampling inspections documented surficial PCB soil contamination as high as 172,000 ppm and subsurface PCB contamination up to 1,500 ppm. The threat of PCB-contaminated leachate migrating off site via drains in the facility's retaining wall also existed. Drainage of contaminants off site posed a potential threat to workers at an adjacent facility and to the Williamette River, which provides drinking water and is a recreational area.

The site is currently being used by the Warren Oliver Company. None of the PRPs accepted responsibility for the cleanup, therefore EPA assumed the lead and initiated a removal action on March 27, 1989. On-site removal activities were performed until April 19, 1989 and included: excavation, transportation, and disposal of approximately 1,120 tons of PCB-contaminated soils; site security; and daily cost tracking using the Removal Cost Management System (RCMS). After sampling verified cleanup, excavated areas were backfilled and capped and a water barrier was installed.

THE PROGRAM TO DATE

From December 1980 through September 1988, EPA and USCG completed 1,127 removal actions at an extramural cost of $248,038,560. From October 1988 through September 1989, EPA completed 175 removal actions at an extramural cost of $79,640,932. In addition, USCG completed 25 removal actions. Total Superfund removal completions and associated costs for the period December 12, 1980 through September 30, 1989 are as follows:

TOTAL COMPLETIONS

NPL*SITE	385
NON-NPL SITES	942
TOTAL	1,327

TOTAL COSTS OF REMOVALS

NPL* SITES	$140,544,608
NON-NPL SITES	$187,134,884
TOTAL	$327,679,492

* National Priorities List (NPL) - List of nationwide priority hazardous waste sites requiring comprehensive, long-term actions under Superfund.

ABOUT THIS REPORT

The Fourth Annual Report summarizes removal activities completed during the ninth year of the Superfund program. This report is presented as a series of matrices that are organized numerically by Region and alphabetically by State and site name within each Region. It contains the same types of information included in all previous annual reports. EPA intends to continue providing this information in future updates. The list of removal actions completed in FY 89 is based on data contained in Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) as of June 25, 1990. (Very short, low-cost USCG actions, such as retrieving a drum that has washed up on a beach, are not summarized but are included in the totals.)

The back of the report contains an index of all removal actions completed by September 30, 1988, listed alphabetically by State, and then by site name. This list also provides information on the site's NPL status and the previous annual report in which the site is described. Additionally, a summary list of all FY 89 removal completions (including small, low-cost USCG cleanups) is included for each Region. These ten summary lists provide information on the NPL status of a site and whether or not the site was a Classic Emergency. (Classic Emergencies are those actions where the release requires that on-site activities be initiated within hours of the lead agency's determination that a removal action is appropriate.)

Inquiries regarding information contained in this document should be referred to the appropriate EPA Regional office. A list of EPA contacts and a map delineating the States and territories within each Region are provided in this report.

Much of the work EPA and USCG undertake in response to releases of hazardous substances is highly technical. Definitions of the information provided in the matrices are presented in the key below.

Key to Superfund Emergency Response Actions Fourth Annual Report

Data

1. REGION: EPA Regions I, II, III, IV, V, VI, VII, VIII, IX, X

2. NAME/LOCATION: Site name and local jurisdiction

3. STATE: Standard state abbreviation

4. NPL STATUS: (Y) Yes - on proposed or final NPL when action started
   (N) No - not on proposed or final NPL when action started

5. COST: These are extramural costs, which include cleanup contractor costs as reported by the Regions. Costs are subject to changes as final invoicing and data entry occur. Cost is cumulative for these actions and prior completions

6. START AND COMPLETION DATES

7. INCIDENT CATEGORY:

- Active Production Facility - any ongoing operation which manufactures, recycles, handles, stores, or transports hazardous materials or waste as a primary ingredient, product, or by-product of operations, or any location contaminated due to off-site migration of hazardous materials or wastes from such ongoing operations.

- Inactive Production Facility - any facility no longer in operation which manufactured, recycled, handled, stored, or transported hazardous materials or wastes as a primary ingredient, product, or by-product of operations, or any location

contaminated due to off-site migration of hazardous materials or wastes from such previous operations.

- Midnight Dump - any illegal dumping of hazardous substances into the air, land, water, or other element, whether accidental or deliberate.

- Transportation-Related - any release or potential release of hazardous substances due to a transportation accident or malfunction.

- Other - any release of hazardous substances which does not conform to any of the above categories and/or where sources of contamination are unknown.

8. DESCRIPTION: A brief account of site events or conditions necessitating a response action.

9. PRIMARY CONTAMINANTS CATEGORY:

- Arsenic
- Dioxin/Furans
- PCBs
- Asbestos
- Cyanide
- Non-Volatile Organics
- Pesticides
- Waste Oil
- Toxic Gases
- Metals
- Acids
- Bases
- Solvents
- Inorganic Waste
- Low-Level Radioactive Waste

10. THREAT CATEGORY:

- Air Contamination
- Direct Contact - skin contact, ingestion, inhalation
- Drinking Water Contamination
- Ecological Damage
- Fire/Explosion Hazard
- Food Chain Contamination
- Groundwater Contamination
- Soil Contamination
- Surface Water Contamination

11. MITIGATIVE ACTIONS:

- Migration control - specific measures used to control or eliminate contaminants from migrating off site

- Provision of alternate water supplies - temporary or permanent

- Temporary relocation/evacuation - of nearby populations

- Controlling source of threat

  - overpacking: sealing open containers and putting leaky, corroded containers of hazardous substances into new containers

  - reducing volume of hazardous substances in lagoons/containment areas

  - isolating incompatible substances

  - covering/capping: surface containment of airborne threats, landfills, lagoons, hazardous materials

  - extinguishing a fire

  - bulking materials

  - solidifying materials

  - neutralizing materials

  - collecting and/or retaining contaminants

  - other (specified).

- Excavation - soil, contaminated materials, containers

- Site restoration - backfilling, grading, seeding, repaving

- Treatment/disposal of wastes - all treatment/disposal done in accordance with applicable hazardous waste management regulations.

- Alternative technology (AT) Indicators - alternatives to land disposal may be used to treat or dispose of wastes in accordance with applicable hazardous waste management regulations:

  - Recycling - treats or processes hazardous waste to recapture material that may be reused in manufacturing and other processes

  - Thermal Destruction (e.g., incineration) - destroys or reduces waste to a safer concentration through heat application

  - Stabilization (e.g., cement-based techniques) - treatment method that limits solubility or toxicity of hazardous waste constituents

  - Chemical (e.g., chemical oxidation) - addition of chemical compounds to hazardous waste to destroy or neutralize hazardous waste constituents

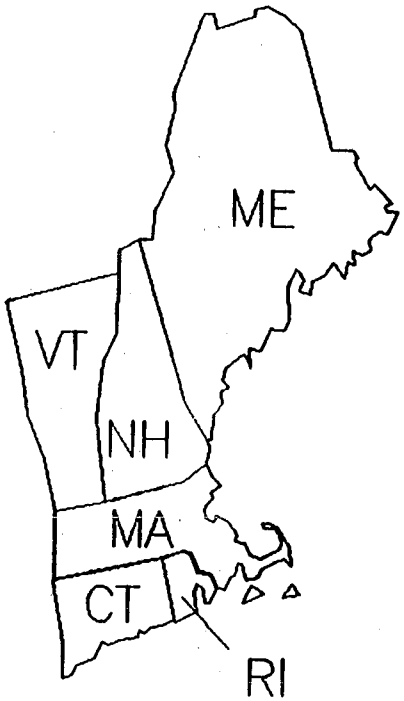
  - Physical, Phase Separation (e.g., gravity separation) - physical process whereby solids or oil are removed from liquid

  - Physical, Component Separation (e.g., air stripping) - physicochemical process involving ionic separation or separating dissolved solids from liquid

  - Biological (e.g., activated sludge) - uses microorganisms to degrade organic compounds

  - Other (e.g., installing a ventilation system, detonation) - any mitigative actions which do not conform to the above categories.

U.S. EPA REGION 1



For Information Contact:

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REGION 1 FY 1989 REMOVAL COMPLETIONS

STATE	SITE NAME	CITY	NPL STATUS	CLASSIC EMERGENCY*
CT	Old Saybrook Fire	Old Saybrook	N	X
MA	Megunco Road	Ashland	N	X
	Putnam Fire	Putnam	N	X
ME	Waterboro Patent Corporation	Waterboro	N	
NH	Auburn Road Landfill +	Londonderry	Y	
	Fletcher's Paint Store Facility	Milford	N	
	Fletcher's Paint Works	Milford	Y	
RI	Stamina Mills, Inc.	North Smithfield	Y	

USCG SITES

MA	Chatham Drums	Chatham	N
	Edgartown	Martha's Vineyard	N
	Marconi Beach	Wellfleet	N
	Menemsha II	Martha's Vineyard	N
	Merrimack River	Lowell	N
	Pamet River	Truro	N
	South Beach	Edgartown	N
	Vineyard Sound	Martha's Vineyard	N

TOTALS FOR REGION 1:
- Number of Removal Completions..... 16
  - NPL Sites..... 3
  - Classic Emergency Sites..... 3
- Total Cost for FY 89 (excluding USCG sites): $3,283,712

\+ A removal action was previously completed at this site.

* Classic Emergencies are those actions where the release requires that on-site activities be initiated within hours of the lead agency's determination that a removal action is appropriate.

SUPERFUND EMERGENCY RESPONSE ACTIONS

Site Information	Incident Category/Description	Primary Contaminants	Threat(s)	Mitigative Action(s)
Name Old Saybrook Fire * **City** Old Saybrook **State** CT **NPL** N **Cost** $10,000 **Start** 09/15/89 **Completion** 09/17/89	Active Production Facility Fire-fighting efforts resulted in run-off water contaminated with hazardous substances.	Metals Volatile Organics Solvents	Air Contamination Fire/Explosion Hazard Groundwater Contamination Soil Contamination Surface Water Contamination	Migration Control Collection/Retention Pumped Contaminants
Name Megunco Road * **City** Ashland **State** MA **NPL** N **Cost** $50,000 **Start** 02/14/89 **Completion** 04/21/89	Inactive Production Facility Reports of sulfur-like odor emanating from the site led to the discovery of three abandoned pressure vessels, one of which was leaking.	Volatile Organics	Air Contamination Direct Contact Fire/Explosion Hazard Soil Contamination	Collection/Retention Solidified Materials Excavation AT: Thermal Destruction
Name Putnam Fire * **City** Putnam **State** MA **NPL** N **Cost** $755,000 **Start** 12/04/87 **Completion** 10/19/88	Other A fire at the site caused a release which contaminated a nearby river and the local water supply.	Solvents Acids Volatile Organics Bases	Direct Contact Groundwater Contamination Surface Water Contamination Air Contamination	Sampling/Analysis Overpacked Drums Disposal AT: Thermal Destruction
Name Waterboro Patent Corporation **City** Waterboro **State** ME **NPL** N **Cost** $468,712 **Start** 03/10/89 **Completion** 07/06/89	Active Production Facility A large fire burned a number of buildings in which asbestos had been used for insulation. Friable asbestos was exposed and large amounts were scattered throughout the site.	Asbestos	Air Contamination Soil Contamination	Site Security Collection/Retention Disposal

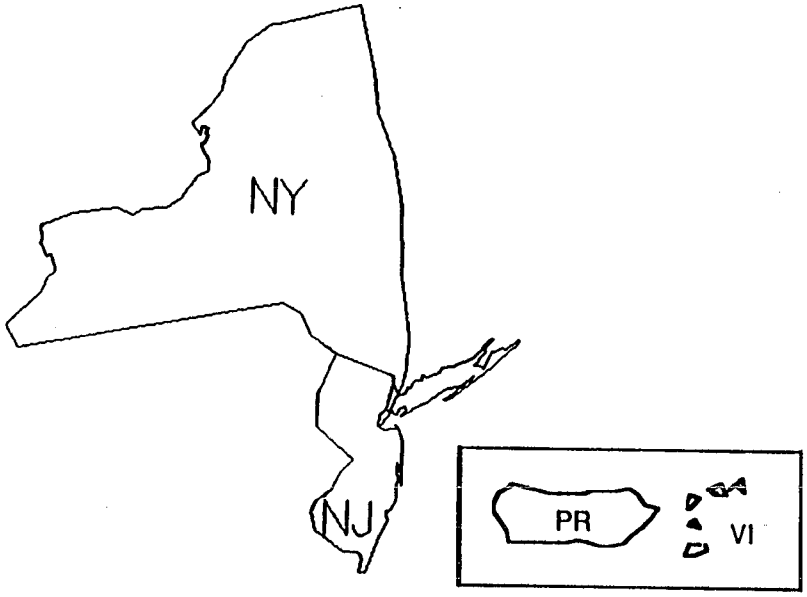
* This site is a Classic Emergency removal action.

SUPERFUND EMERGENCY RESPONSE ACTIONS

Site Information	Incident Category/Description	Primary Contaminants	Threat(s)	Mitigative Action(s)
Name Auburn Road Landfill + **City** Londonderry **State** NH **NPL** Y **Cost** $700,000 **Start** 08/10/88 **Completion** 06/19/89	Industrial Waste Management Facility The site was a former sand and gravel pit that was used as a town landfill. VOCs were detected in surface water and in residential well water at and near the site. Buried drums were discovered during on-site remedial activity.	Volatile Organics PCBs Solvents Waste Oil	Soil Contamination Surface Water Contamination Groundwater Contamination Drinking Water Contamination Direct Contact Air Contamination	Excavation Organized Materials Overpacked Drums Site Restoration Disposal AT: Thermal Destruction
Name Fl[illegible]her's Paint Store Facility **City** Mi[illegible]ord **State** NH **NPL** N **Cost** $150,000 **Start** 05/13/88 **Completion** 10/03/88	Active Production Facility An investigation was prompted by contamination at a municipal supply well located adjacent to the site. PCBs were detected in the soil of the parking lot. Twelve bags of asbestos and hundreds of bags of pigments were located in the storage facility.	PCBs Asbestos	Soil Contamination Surface Water Contamination Groundwater Contamination Drinking Water Contamination	Site Security Capping Disposal
Name Fletcher's Paint Works **City** Milford **State** NH **NPL** Y **Cost** $1,000,000 **Start** 05/13/88 **Completion** 10/10/88	Active Production Facility An investigation was prompted by contamination in a municipal supply well located adjacent to the site. PCBs were detected in the soil of the parking lot. Several drums, some of which were leaking, were located in the parking lot.	PCBs Metals Volatile Organics Waste Oil	Soil Contamination Surface Water Contamination Groundwater Contamination Drinking Water Contamination	Site Security Capping Excavation Organized Materials Overpacked Drums Site Restoration Disposal AT: Thermal Destruction
Name Stamina Mills, Inc. **City** North Smithfield **State** RI **NPL** Y **Cost** $150,000 **Start** 07/12/88 **Completion** 11/17/88	Inactive Production Facility In the 1970s, 800 to 900 gallons of TCE spilled from the site, contaminating drinking water wells. This removal action mitigated threats posed by two underground storage tanks discovered during the remedial activity.	Volatile Organics Solvents	Soil Contamination Groundwater Contamination Drinking Water Contamination	Excavation Collection/Retention Overpacked Drums Disposal AT: Thermal Destruction Recycling

+ A removal action was previously completed at this site. Cost is cumulative for this action and price completion(s).

U. S. EPA REGION 2



For Information Contact:

Chief, Response and Prevention Branch, Emergency and Remedial Response Division
2890 Woodbridge Avenue
Bldg. 209
Edison, NJ 08837
(201) 321-6656

REGION 2 FY 1989 REMOVAL COMPLETIONS

STATE	SITE NAME	CITY	NPL STATUS	CLASSIC EMERGENCY*
NJ	Arkansas Company	Newark	N	
	Chemical Insecticide Corp. +	Edison Township	Y	X
	Ewan Property	Shamong Township	Y	
	Higgins Farm, Rt. 518	Franklin Township	Y	
	Industrial Latex +	Wallington	Y	
	International Metallurgical Services +	Newark	N	
	NL Industries, Inc.	Pedricktown	Y	
	Roebling Steel Co.	Florence	Y	X
	Sondey Paint	Wallington	N	
	Tidewater Baling	Newark	N	
NY	Atlas Electroplating	Buffalo	N	
	Bern Metals +	Buffalo	N	
	Bossert Manufacturing	Utica	N	
	Canny Trucking	Binghampton	N	
	Catskill Tire Fire	Catskill	N	X
	Circuitron Corporation	Farmingdale	Y	
	Claremont Polychemical	Old Bethpage	Y	
	East Moriches	Brookhaven	N	
	Friendship Drive	Rocky Point	N	
	High View Terrace +	West Seneca	N	
	Long Island Sound (CG)	Moriches	N	
	Newstead Site	Newstead	N	
	Noah's Path	Rocky Point	N	
	Rosen Site	Cortland	Y	
	Sabre Park	Niagara	N	
	Vanderhurst #2	Olean	N	

TOTALS FOR REGION 2
Number of Removal Completions..... 26
NPL Sites..... 9
Classic Emergency Sites..... 3

Total Cost for FY 89: $15,387,455

\+ A removal action was previously completed at this site.

* Classic Emergencies are those actions where the release requires that on-site activities be initiated within hours of the lead agency's determination that a removal action is appropriate.

SUPERFUND EMERGENCY RESPONSE ACTIONS

Site Information	Incident Category/Description	Primary Contaminants	Threat(s)	Mitigative Action(s)
Name Arkansas Company **City** Newark **State** NJ **NPL** N **Cost** $2,847,380 **Start** 01/20/87 **Completion** 02/02/89	Inactive Production Facility The site was an abandoned textile manufacturing facility located in a densely populated commercial area. The facility contained improperly stored hazardous substances. There has been vandalism, including arson, at the site.	Asbestos Volatile Organics Acids Inorganic Waste	Direct Contact Fire/Explosion Hazard	Site Security Sampling/Analysis Temporary Storage Disposal
Name Chemical Insecticide Corp. +* **City** Edison Township **State** NJ **NPL** Y **Cost** $25,000 **Start** 03/07/89 **Completion** 03/13/89	Inactive Production Facility The site was an abandoned pesticide manufacturing facility. Surface and subsurface soils were contaminated with pesticides and pesticide by-products. After a winter freeze, leachate material leaked from an off-site drainage ditch and flowed into a parking lot.	Pesticides	Direct Contact Surface Water Contamination	Site Security Sampling/Analysis Migration Control
Name Ewan Property **City** Shamong Township **State** NJ **NPL** Y **Cost** $2,000 **Start** 06/03/88 **Completion** 11/07/88	Midnight Dump The 44-acre site was an abandoned drum dumping area. Numerous drums were exposed due to erosion, and the soil was stained in areas near the exposed drums.	Metals Volatile Organics	Direct Contact Soil Contamination	Site Security
Name Higgins Farm, Rt. 518 **City** Franklin Township **State** NJ **NPL** Y **Cost** $384,000 **Start** 03/16/87 **Completion** 07/18/89	Midnight Dump Buried drums and dioxin-contaminated soil were discovered at this site. The contaminated soil was excavated and stored on site. Groundwater exceeded Removal Action Levels and residents were provided with bottled water.	Dioxin Volatile Organics	Direct Contact Drinking Water Contamination Groundwater Contamination Soil Contamination Surface Water Contamination	Provided Bottled Water Installed Carbon Filters Site Security Excavation Temporary Storage

+ A removal action was previously completed at this site. Cost is cumulative for this action and price completion(s).

* This site is a Classic Emergency removal action.

SUPERFUND EMERGENCY RESPONSE ACTIONS

Site Information	Incident Category/Description	Primary Contaminants	Threat(s)	Mitigative Action(s)
Name Industrial Latex + **City** Wallington **State** NJ **NPL** Y **Cost** $10,000 **Start** 01/09/89 **Completion** 02/28/89	Inactive Production Facility This abandoned industrial adhesive manufacturing facility contained 2,300 drums, 3 roll-offs filled with product, 30 vats, 22 USTs, 2 aboveground tanks, and various lab chemicals. Some of the drums containing hazardous materials were leaking.	PCBs Volatile Organics Cyanide Solvents	Air Contamination Direct Contact Fire/Explosion Hazard Groundwater Contamination Surface Water Contamination	Erected Fire/ Windbreak Fence Organized Materials
Name International Metallurgical Services + **City** Newark **State** NJ **NPL** N **Cost** $423,000 **Start** 09/21/88 **Completion** 08/21/89	Inactive Waste Management Facility An abandoned precious metals facility contained 45 tanks, 100 drums, and 1,100 lab containers. All of these items were deteriorating.	Acids Bases Metals Cyanide	Direct Contact Fire/Explosion Hazard	Site Security Disposal
Name NL Industries, Inc. **City** Pedricktown **State** NJ **NPL** Y **Cost** $50,000 **Start** 01/09/89 **Completion** 05/31/89	Inactive Waste Management Facility This lead smelting facility violated proper storage and State air and water regulations.	Metals Bases	Direct Contact Fire/Explosion Hazard Groundwater Contamination Surface Water Contamination Soil Contamination	Site Security Capping
Name Roebling Steel Co. * **City** Florence **State** NJ **NPL** Y **Cost** $3,160,000 **Start** 10/26/87 **Completion** 08/31/89	Inactive Production Facility This plant had been used to produce steel and steel wire. Large volumes of hazardous substances were improperly stored throughout the site.	Metals Waste Oil Acids Bases Asbestos	Direct Contact Fire/Explosion Hazard	Site Security Organized Materials Pumped Contaminants Sampling/Analysis Disposal

+ A removal action was previously completed at this site. Cost is cumulative for this action and price completion(s).

* This site is a Classic Emergency removal action.

SUPERFUND EMERGENCY RESPONSE ACTIONS

Site Information	Incident Category/Description	Primary Contaminants	Threat(s)	Mitigative Action(s)
Name Sondey Paint **City** Wallington **State** NJ **NPL** N **Cost** $373,000 **Start** 10/12/88 **Completion** 07/19/89	Inactive Production Facility The site was an abandoned paint blending and storage facility. Improperly stored paints and solvents posed a fire/explosion hazard to the nearby community.	Asbestos Metals Solvents	Ecological Damage Direct Contact Fire/Explosion Hazard	Site Security Organized Materials Overpacked Drums Disposal
Name Tidewater Baling **City** Newark **State** NJ **NPL** N **Cost** $50,000 **Start** 07/25/89 **Completion** 09/26/89	Other Soil and groundwater contamination were discovered during excavation at this scrap metal baling facility.	Volatile Organics Acids Metals Arsenic PCBs	Direct Contact Soil Contamination Groundwater Contamination	Site Security Sampling/Analysis Migration Control
Name Atlas Electroplating **City** Buffalo **State** NY **NPL** N **Cost** $150,000 **Start** 06/17/88 **Completion** 05/03/89	Inactive Production Facility This site was an abandoned electroplating facility which contained 150 drums and 4 open vats. The site assessment revealed that some drums and containers were leaking onto the ground.	Cyanide Acids Metals Volatile Organics Solvents Bases	Direct Contact Soil Contamination	Site Security Organized Materials Sampling/Analysis Overpacked Drums Disposal AT: Physical
Name Bern Metals + **City** Buffalo **State** NY **NPL** N **Cost** $6,000 **Start** 01/09/89 **Completion** 03/15/89	Inactive Waste Management Facility Soil at this metal waste processing facility site was highly contaminated from metal recovery and battery recycling activities. This site was located in a mixed residential area.	Metals	Direct Contact Soil Contamination	Site Security Sampling/Analysis

+ A removal action was previously completed at this site. Cost is cumulative for this action and price completion(s).

SUPERFUND EMERGENCY RESPONSE ACTIONS

Site Information	Incident Category/Description	Primary Contaminants	Threat(s)	Mitigative Action(s)
Name Bossert Manufacturing **City** Utica **State** NY **NPL** N **Cost** $1,905,609 **Start** 11/08/86 **Completion** 02/16/89	Inactive Production Facility This salvage company had been dismantling PCB-contaminated machinery and shipping it to buyers. The building contained large volumes of hazardous PCB-contaminated equipment and other hazardous substances.	PCBs Acids Solvents Metals	Direct Contact	Site Security Excavation Sampling/Analysis Disposal AT: Recycling
Name Canny Trucking **City** Binghampton **State** NY **NPL** N **Cost** $10,000 **Start** 09/30/88 **Completion** 01/25/89	Inactive Waste Management Facility The site involved three leaking underground fuel tanks in a residential area.	Waste Oil Solvents Volatile Organics	Direct Contact	Sampling/Analysis Disposal
Name Catskill Tire Fire * **City** Catskill **State** NY **NPL** N **Cost** $50000 **Start** 02/26/89 **Completion** 03/03/89	Other EPA was requested by local officials to help respond to a tire fire that encompassed 8 acres and involved approximately 2 million tires. EPA contractors performed air monitoring and used heavy equipment to break up the tire piles.	Volatile Organics Toxic Gases	Air Contamination Direct Contact Soil Contamination Surface Water Contamination	Sampling/Analysis Extinguished Fire
Name Circuitron Corporation **City** Farmingdale **State** NY **NPL** Y **Cost** $545,000 **Start** 09/15/88 **Completion** 09/28/89	Inactive Production Facility The site was an abandoned circuit board printing facility that contained above-ground storage tanks, underground storage tanks, and drums holding corrosive and flammable liquids. An underground storage tank was leaking. A university is within 1 mile of the site.	Solvents Metals	Air Contamination Direct Contact Drinking Water Contamination Fire/Explosion Hazard Groundwater Contamination Soil Contamination	Sampling/Analysis Organized Materials Disposal

* This site is a Classic Emergency removal action.

SUPERFUND EMERGENCY RESPONSE ACTIONS

Site Information		Incident Category/Description	Primary Contaminants	Threat(s)	Mitigative Action(s)
Name	Claremont Polychemical	Inactive Production Facility	Volatile Organics Metals Solvents	Air Contamination Direct Contact Fire/Explosion Hazard Soil Contamination	Site Security Overpacked Drums
City	Old Bethpage				
State	NY	The site was an abandoned facility that manufactured dyes for plastics. The buildings and their contents were in poor condition, resulting in a release to the environment.			
NPL	Y				
Cost	$135,000				
Start	09/22/88				
Completion	01/17/89				
Name	East Moriches	Other	Volatile Organics Solvents	Direct Contact Drinking Water Contamination Groundwater Contamination	Provided Bottled Water
City	Brookhaven				
State	NY	Drinking water at seven residences and one commercial establishment was found to exceed state guidelines for drinking water purity. EPA provided bottled water.			
NPL	N				
Cost	$461,000				
Start	02/13/87				
Completion	02/28/88				
Name	Friendship Drive	Other	Volatile Organics Solvents	Direct Contact Drinking Water Contamination Groundwater Contamination	Provided Bottled Water Provided Hookups to Water Main
City	Rocky Point				
State	NY	Sampling results indicated that the 10-day Health Advisory was exceeded in residential wells. Residences were provided bottled water until completion of the water main installation.			
NPL	N				
Cost	$2,045,300				
Start	03/26/86				
Completion	02/28/89				
Name	High View Terrace +	Other	Cyanide	Direct Contact Soil Contamination	Site Security Sampling/Analysis Excavation Disposal
City	West Seneca				
State	NY	Excavation in a vacant lot in a dense residential area revealed that cyanide in the soil was migrating into a nearby creek.			
NPL	N				
Cost	$1,562,000				
Start	10/10/88				
Completion	04/13/89				

+ A removal action was previously completed at this site. Cost is cumulative for this action and price completion(s).

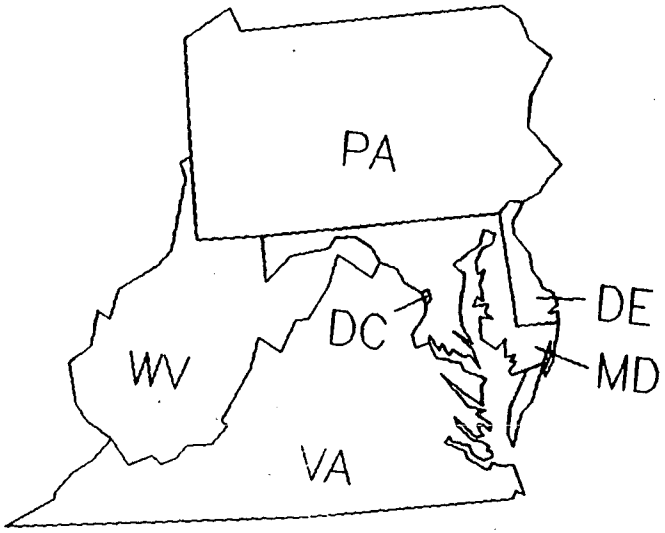
SUPERFUND EMERGENCY RESPONSE ACTIONS

Site Information	Incident Category/Description	Primary Contaminants	Threat(s)	Mitigative Action(s)
Name Long Island Sound (CG) **City** Moriches **State** NY **NPL** N **Cost** $2,000 **Start** 09/17/88 **Completion** 11/23/88	Other Wells supplying drinking water to residences on this street exceeded Removal Action Levels for VOCs. Residents were provided bottled water until the completion of the water main installation.	Volatile Organics Solvents	Drinking Water Contamination Groundwater Contamination	Provided Bottled Water Sampling/Analysis Capped Wells Provided Hookups to Water Main
Name Newstead Site **City** Newstead **State** NY **NPL** N **Cost** $117,000 **Start** 08/22/89 **Completion** 09/27/89	Other Hazardous waste from a manufacturing plant was illegally dumped near a residential area.	Volatile Organics Acids Metals	Direct Contact Soil Contamination	Sampling/Analysis Excavation Site Security
Name Noah's Path **City** Rocky Point **State** NY **NPL** N **Cost** $640,750 **Start** 12/11/87 **Completion** 08/10/89	Other Drinking water supplies to 142 homes were contaminated with various VOCs. Residents were provided bottled water until the completion of the water main installation.	Volatile Organics Solvents	Drinking Water Contamination	Provided Bottled Water Provided Hookups to Water Main
Name Rosen Site **City** Cortland **State** NY **NPL** Y **Cost** $238,416 **Start** 07/17/87 **Completion** 12/08/88	Inactive Waste Management Facility This abandoned metal recovery facility contained hazardous waste and was located near schools, housing areas, and creeks. EPA sampled, analyzed, and overpacked the hazardous substance. The PRPs agreed to coordinate disposal.	Volatile Organics Metals Solvents	Direct Contact Drinking Water Contamination Groundwater Contamination Surface Water Contamination Soil Contamination	Site Security Organized Materials Sampling/Analysis

SUPERFUND EMERGENCY RESPONSE ACTIONS

Site Information	Incident Category/Description	Primary Contaminants	Threat(s)	Mitigative Action(s)
Name Sabre Park **City** Niagara **State** NY **NPL** N **Cost** $175,000 **Start** 10/10/88 **Completion** 07/19/89	Other The site is a residential trailer park. During construction activities to expand the park, residents complained of odors emanating from the backfill used for grading the site. A chemical company was the source of the backfill material.	Metals Volatile Organics Solvents	Direct Contact Soil Contamination	Sampling/Analysis Excavation Disposal Site Restoration
Name Vanderhurst #2 **City** Olean **State** NY **NPL** N **Cost** $20,000 **Start** 03/03/89 **Completion** 03/31/89	Other The site was an abandoned iron-plating facility in a residential/industrial area. Shutdown of the facility resulted in a release of untreated sewage into the Allegheny River. The site contained drums and tanks holding various hazardous materials, posing a fire/explosion threat.	Acids Bases Solvents	Direct Contact Drinking Water Contamination Fire/Explosion Hazard	Site Security Monitoring Sampling/Analysis Inventoried Tanks

U.S. EPA REGION 3



For Information Contact:

Chief, Superfund Removal Branch,
Hazardous Waste Management Division
841 Chestnut Street
Philadelphia, PA 19107
(215) 597-8132

REGION 3 FY 1989 REMOVAL COMPLETIONS

STATE	SITE NAME	CITY	NPL STATUS	CLASSIC EMERGENCY*
DE	Raintree	Christiana	N	
MD	Spectron, Inc.	Elkton	N	
PA	Abandoned Chemical Trailer	West Versailles	N	
	Alderfer Landfill	Franconia Township	N	
	East Kane Tar Pit	East Kane	N	X
	Eddystone Ave. Trailer Site	Eddyston	N	
	Jackson Ceramics Inc.	Falls Creek	N	
	Monroe Street Site	York	N	X
	Municipal & Industrial Disposal Corp.	Elizabeth Township	N	
	Thompson Street Trailer	Philadelphia	N	X
	Valmont Site	Hazleton	N	
VA	Point of Rocks	Enon	N	X
WV	Fifth Street Drum Dump	Huntington	N	
	Kay Lane Drum Dump	Charleston (Knollwood)	N	
	Leetown Abandoned Chemical Drum	Leetown	N	
	Mechling Hill Drum Dump	Follansbee	N	
	Mount Clare Drum Dump	Mount Clare	N	
	Otsego PCB Capacitor	Otsego	N	

TOTALS FOR REGION 3
Number of Removal Completions..... 18
NPL Sites..... 0
Classic Emergency Sites..... 4

Total Cost for FY 89: $4,929,908

+ A removal action was previously completed at this site.

* Classic Emergencies are those actions where the release requires that on-site activities be initiated within hours of the lead agency's determination that a removal action is appropriate.

SUPERFUND EMERGENCY RESPONSE ACTIONS

Site Information	Incident Category/Description	Primary Contaminants	Threat(s)	Mitigative Action(s)
Name Raintree **City** Christiana **State** DE **NPL** N **Cost** $1,134,350 **Start** 02/01/88 **Completion** 04/05/89	Other The site included 12 homes in which dangerous levels of methane gas were detected. Four fill areas in the community were the suspected sources of this methane. DNREC installed basement ventilation systems, which EPA later upgraded.	Methane Gas	Fire/Explosion Hazard Direct Contact Threat	Excavation Site Restoration Basement Ventilation Disposal
Name Spectron, Inc. **City** Elkton **State** MD **NPL** N **Cost** $41500 **Start** 05/24/89 **Completion** 08/25/89	Active Waste Management Facility The plant operated as a resource recovery facility, reclaiming a wide range of industrial solvents generated by pharmaceutical, paint, lacquer, coatings, and chemical process industries. EPA conducted a site assessment, which was requested by the State.	PCBs Solvents Volatile Organics	Direct Contact Fire/Explosion Hazard Groundwater Contamination Soil Contamination	Migration Control Overpacked Drums Bulked Materials
Name Abandoned Chemical Trailer **City** West Versailles **State** PA **NPL** N **Cost** $197,000 **Start** 04/01/88 **Completion** 01/19/89	Other A trailer was abandoned on the site of a car rental facility. The trailer contained hazardous materials and showed signs of vandalism.	Acids	Fire/Explosion Hazard Direct Contact Surface Water Contamination	Bulked Materials Disposal
Name Alderfer Landfill **City** Franconia Township **State** PA **NPL** N **Cost** $85,403 **Start** 03/01/89 **Completion** 05/26/89	Inactive Waste Management Facility This landfill, used for solid waste dumping, was closed in 1962. The site continued to be used for midnight dumping.	Low-Level Radioactive Waste	Direct Contact Groundwater Contamination Soil Contamination Surface Water Contamination	Capping Site Restoration

SUPERFUND EMERGENCY RESPONSE ACTIONS

Site Information	Incident Category/Description	Primary Contaminants	Threat(s)	Mitigative Action(s)
Name East Kane Tar Pit * **City** East Kane **State** PA **NPL** N **Cost** $999,655 **Start** 06/06/85 **Completion** 02/14/89	Other A tornado disrupted the vegetative cover over a chemical tar pit in a rural community. Tar began seeping to the surface.	Volatile Organics Acids	Direct Contact Drinking Water Contamination	Site Security Capping Migration Control Pumped Contaminants Disposal
Name Eddystone Ave. Trailer Site **City** Eddyston **State** PA **NPL** N **Cost** $100,000 **Start** 12/09/88 **Completion** 06/09/89	Other The site was a trucking facility in an industrial/commercial/residential area. This site included a trailer containing organic compounds and flammable liquids.	Volatile Organics	Fire/Explosion Hazard	Disposal AT: Thermal Destruction
Name Jackson Ceramics Inc. **City** Falls Creek **State** PA **NPL** N **Cost** $600,000 **Start** 03/03/88 **Completion** 02/10/89	Inactive Production Facility An abandoned china-producing facility, that used a lead-based glazing process, illegally dumped wastes on site. The site contained many drums and a lagoon.	Metals	Direct Contact Soil Contamination Surface Water Contamination	Site Security Sampling/Analysis Excavation Capping Disposal
Name Monroe Street Site * **City** York **State** PA **NPL** N **Cost** $50,000 **Start** 08/03/88 **Completion** 11/09/88	Inactive Production Facility The site contained approximately 40 drums that were corroded and leaking.	Volatile Organics Acids Waste Oil	Direct Contact Fire/Explosion	Sampling/Analysis Overpacked Drums Disposal

* This site is a Classic Emergency removal action.

REGION 3

SUPERFUND EMERGENCY RESPONSE ACTIONS

Site Information	Incident Category/Description	Primary Contaminants	Threat(s)	Mitigative Action(s)
Name Municipal & Industrial Disposal Corp. **City** Elizabeth Township **State** PA **NPL** N **Cost** $135,000 **Start** 02/19/88 **Completion** 01/10/89	Inactive Waste Management Facility The site was an inactive disposal facility, containing a lagoon holding contaminated run-off water and sludge.	Metals Volatile Organics	Soil Contamination	Migration Control Sampling/Analysis AT: Chemical
Name Thompson Street Trailer * **City** Philadelphia **State** PA **NPL** N **Cost** $505,000 **Start** 09/30/88 **Completion** 06/08/89	Other The site involved five tractor trailers containing drums of unknown contaminants. The trailers were unsecured and located in a residential community.	Volatile Organics Solvents	Fire/Explosion Hazard Direct Contact	Sampling/Analysis Overpacked Drums
Name Valmont Site **City** Hazleton **State** PA **NPL** N **Cost** $704,000 **Start** 10/26/87 **Completion** 11/18/88	Other The site involved 32 residences with wells contaminated from the Valmont Industrial Park. Residences were provided bottled water until water main installation was completed.	Volatile Organics Solvents	Drinking Water Contamination Direct Contact	Installed Carbon Filters Provided Bottled Water Provided Hookups to Water Main Site Restoration
Name Point of Rocks * **City** Enon **State** VA **NPL** N **Cost** $49500 **Start** 10/26/87 **Completion** 10/14/88	Other The site encompassed 7 miles of roadside littered with containers of reagent bottles.	Acids Volatile Organics	Direct Contact Soil Contamination	Site Security Sampling/Analysis Overpacked Drums Disposal

* This site is a Classic Emergency removal action.

SUPERFUND EMERGENCY RESPONSE ACTIONS

Site Information	Incident Category/Description	Primary Contaminants	Threat(s)	Mitigative Action(s)
Name Fifth Street Drum Dump **City** Huntington **State** WV **NPL** N **Cost** $19,000 **Start** 05/10/88 **Completion** 01/11/89	Other Five drums were abandoned near a private residence.	Solvents	Direct Contact Soil Contamination Surface Water Contamination Fire/Explosion Hazard	Sampling/Analysis Overpacked Drums Disposal
Name Kay Lane Drum Dump **City** Charleston (Knollwood) **State** WV **NPL** N **Cost** $10,000 **Start** 02/27/89 **Completion** 09/07/89	Midnight Dump An unlabelled, leaking drum was illegally dumped at an unoccupied residence.	Volatile Organics	Direct Contact Fire/Explosion Hazard	Overpacked Drums Disposal
Name Leetown Abandoned Chemical Drum **City** Leetown **State** WV **NPL** N **Cost** $15,000 **Start** 03/17/88 **Completion** 09/07/89	Other Two drums were found on the banks of the Shenandoah River and were moved to the WVDOH facility.	Arsenic	Direct Contact Drinking Water Contamination Soil Contamination	Overpacked Drums Temporary Storage Disposal
Name Mechling Hill Drum Dump **City** Follansbee **State** WV **NPL** N **Cost** $15,000 **Start** 02/27/89 **Completion** 08/29/89	Midnight Dump Two drums containing hazardous materials were abandoned near a trailer court.	Volatile Organics Solvents	Fire/Explosion Hazard	Overpacking Drums Temporary Storage Disposal

SUPERFUND EMERGENCY RESPONSE ACTIONS

Site Information	Incident Category/Description	Primary Contaminants	Threat(s)	Mitigative Action(s)
Name Mount Clare Drum Dump **City** Mount Clare **State** WV **NPL** N **Cost** $69,500 **Start** 10/06/88 **Completion** 10/02/89	Midnight Dump Fifteen deteriorating drums were abandoned on a reclaimed strip mine. The drums contained flammable wastes.	Volatile Organics	Direct Contact Soil Contamination Fire/Explosion Hazard	Excavation Overpacked Drums Site Restoration Disposal
Name Otsego PCB Capacitor **City** Otsego **State** WV **NPL** N **Cost** $200,000 **Start** 05/15/89 **Completion** 07/25/89	Other The site included 120 leaking capacitors in a storage unit at a closed mining operation site. Soil and equipment were contaminated with PCBs.	PCBs	Direct Contact Soil Contamination Surface Water Contamination	Sampling/Analysis Disposal

U. S. EPA REGION 4

For Information Contact:

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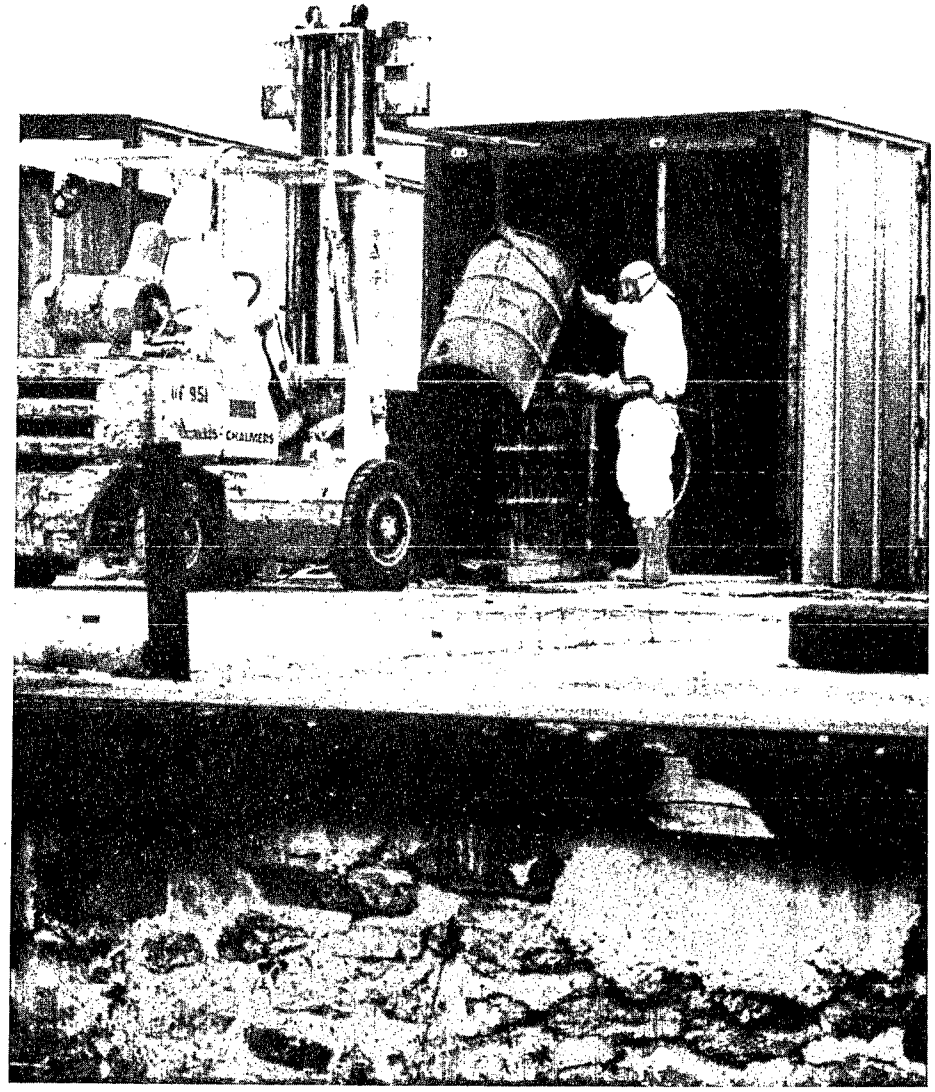
Atlanta, GA 30365
(404) 347-4097



REGION 4 FY 1989 REMOVAL COMPLETIONS

STATE	SITE NAME	CITY	NPL STATUS	CLASSIC EMERGENCY*
AL	Bayfront Road Drum Site	Mobile	N	
	Floyd Bradford Road Chemicals	Leeds	N	X
	Richwood Avenue	Irondale	N	X
	Southern Plating	Mobile	N	X
	Welco Inc. Dump +	Woodville	N	
FL	Ellis Road	Jacksonville	N	
	S & S Flying Service	Marianna	N	
	Southern Crop Services	Delray Beach	N	
GA	Abrams Big Star Prop. Dump Site	Oakwood	N	X
	Battlefield Parkway Ammo Dump	Fort Oglethorpe	N	X
	Cedartown Battery	Cedartown	N	
	Chemresol Inc.	Brunswick	N	
	Gwinnett County Lab Pack	Suwanee	N	X
	Headland Drive Drums	East Point	N	X
	Khoury Trailer Park	Fort Valley	N	
	National Smelting & Refining Co.	Atlanta	N	
	Paper Mill Road Abandoned Drum	Lawrenceville	N	X
KY	Clyde Elrod Drum Site	Kevil	N	X
	Donaldson Art Sign Company	Covington	N	
	Henderson Drum Site	Henderson	N	X
	National Electric Service Site	Dayhoit	N	X
	Taylor A L Site +	Shepherdsville	Y	X
MS	Amory Civil Defense Hospital	Amory	N	
	DSI Facility	Biloxi	N	
	Newsom Bros. Old Reichold Site +	Columbia	Y	
	Prentiss Creosote & Forest Products	Prentiss	N	
NC	Cape Fear Wood Processing +	Fayetteville	Y	
	Carbonton Road Drum Site	Sanford	N	
	Chadbourn Tire Fire	Chadbourn	N	X
	Currituck Phosphorus	Currituck	N	X
	Martins Creek Road	Barnardsville	N	X

\+ A removal action was previously completed at this site.

* Classic Emergencies are those actions where the release requires that on-site activities be initiated within hours of the lead agency's determination that a removal action is appropriate.

REGION 4 FY 1989 REMOVAL COMPLETIONS

STATE	SITE NAME	CITY	NPL STATUS	CLASSIC EMERGENCY*
NC	Pierce (Lynn) Property	Apex	N	
	Pilot Mountain Tire Fire	Pilot Mountain	N	X
	Red Cap Dog Food	Burlington	N	X
	United House of Prayer Drum Site	Salisbury	N	X
SC	B. Miller Site	Mullins	N	X
	Hurricane Hugo Reconnaissance	Charleston	N	X
	Kellwood Timber Products	Hardeeville	N	X
	US Highway 17A South Drum	Georgetown	N	X
TN	American Creosote Works, Inc. +	Jackson	Y	X
	Wrigley Charcoal	Wrigley	Y	
	Wrigley Charcoal +	Wrigley	Y	

USCG SITES

AL	Mobile River	Mobile	N	X
FL	Gulf Breeze II	Fort Walton Beach	N	X
	Gulf Breeze Nat'l Seashore	Pensacola	N	X
	Hillsborough River Aban. Drum	Tampa	N	X

TOTALS FOR REGION 4:
- Number of Removal Completions..... 46
  - NPL Sites..... 6
  - Classic Emergency Sites..... 27
- Total Cost for FY 89 (excluding USCG sites): $11,288,965

\+ A removal action was previously completed at this site.

* Classic Emergencies are those actions where the release requires that on-site activities be initiated within hours of the lead agency's determination that a removal action is appropriate.

SUPERFUND EMERGENCY RESPONSE ACTIONS

Site Information	Incident Category/Description	Primary Contaminants	Threat(s)	Mitigative Action(s)
Name Bayfront Road Drum Site **City** Mobile **State** AL **NPL** N **Cost** $1,600 **Start** 03/21/89 **Completion** 07/10/89	Midnight Dump One unlabelled 55-gallon drum washed ashore on beachfront property.	Unknown	Surface Water Contamination	Overpacked Drums Temporary Storage
Name Floyd Bradford Road Chemicals * **City** Leeds **State** AL **NPL** N **Cost** $210,750 **Start** 01/12/89 **Completion** 08/15/89	Midnight Dump Numerous drums and containers were found stored under the main floor of an abandoned house.	Volatile Organics Acids	Direct Contact Drinking Water Contamination Fire/Explosion Hazard Groundwater Contamination Soil Contamination Surface Water Contamination	Sampling/Analysis Overpacked Drums Disposal
Name Richwood Avenue * **City** Irondale **State** AL **NPL** N **Cost** $34,000 **Start** 03/21/89 **Completion** 08/15/89	Midnight Dump Several 55-gallon drums and 3 compressed gas cylinders were abandoned. One drum of toluene had exploded and one drum of paint had caught fire.	Volatile Organics Solvents	Air Contamination Direct Contact Fire/Explosion Hazard Soil Contamination	Sampling/Analysis Overpacked Drums Disposal
Name Southern Plating * **City** Mobile **State** AL **NPL** N **Cost** $170,000 **Start** 05/12/88 **Completion** 05/11/89	Inactive Production Facility The site was an electroplating company that closed after Hurricane Frederick caused the roof of a building on the site to collapse. Plating wastes were left on site and were being released to the environment.	Cyanide Acids Metals	Air Contamination Direct Contact Soil Contamination	Sampling/Analysis Overpacked Drums Disposal

* This site is a Classic Emergency removal action.

SUPERFUND EMERGENCY RESPONSE ACTIONS

Site Information	Incident Category/Description	Primary Contaminants	Threat(s)	Mitigative Action(s)
Name Welco Inc. Dump + **City** Woodville **State** AL **NPL** N **Cost** $427,180 **Start** 09/26/88 **Completion** 05/19/89	Active Production Facility Liquid plating waste was disposed of improperly at four sites. The fourth dump site was less than 500 yards from the City of Woodville's drinking water well.	Cyanide Metals	Direct Contact Groundwater Contamination Soil Contamination Surface Water Contamination	Monitoring Disposal AT: Stabilization
Name Ellis Road **City** Jacksonville **State** FL **NPL** N **Cost** $170,000 **Start** 09/04/87 **Completion** 06/26/89	Inactive Production Facility Rain water had collected and mixed with contaminants to a depth of 2.5 feet behind a 3-foot dike. Three residential wells were within 100 yards of the dike.	PCBs	Direct Contact Drinking Water Contamination Groundwater Contamination Surface Water Contamination	Pumped Contaminant Migration Control
Name S & S Flying Service **City** Marianna **State** FL **NPL** N **Cost** $250,000 **Start** 09/30/88 **Completion** 11/23/88	Other Pesticide containers and wing tanks were routinely rinsed out on the grounds of the facility. Eight thousand cubic yards of soil were contaminated.	Volatile Organics Pesticides Solvents	Direct Contact Groundwater Contamination Soil Contamination Surface Water Contamination	Excavation Sampling/Analysis Capping
Name Southern Crop Services **City** Delray Beach **State** FL **NPL** N **Cost** $1,926,726 **Start** 02/08/88 **Completion** 03/04/89	Active Production Facility Improper disposal of pesticide waste and containers in a natural pit posed potential threats.	Pesticides PCBs	Direct Contact Groundwater Contamination Surface Water Contamination	Sampling/Analysis Disposal AT: Thermal Destruction

+ A removal action was previously completed at this site. Cost is cumulative for this action and price completion(s).

SUPERFUND EMERGENCY RESPONSE ACTIONS

Site Information	Incident Category/Description	Primary Contaminants	Threat(s)	Mitigative Action(s)
Name Abrams Big Star Prop. Dump Site * **City** Oakwood **State** GA **NPL** N **Cost** $5,000 **Start** 01/31/89 **Completion** 06/09/89	Midnight Dump Eight marked containers of hydriodic acid were abandoned on the Abrams property. The material was pH 0.	Acids	Direct Contact Fire/Explosion Soil Contamination	Site Security Sampling/Analysis Overpacked Drums Disposal
Name Battlefield Parkway Ammo Dump * **City** Fort Oglethorpe **State** GA **NPL** N **Cost** $10,000 **Start** 03/15/88 **Completion** 01/01/89	Midnight Dump Several broken and smoking bottles containing horse medicine and several rounds of ammunition were discovered by contractors who were upgrading the site.	Non-Volatile Organics Metals	Direct Contact Fire/Explosion Hazard	Sampling/Analysis Overpacked Drums Site Security Disposal
Name Cedartown Battery **City** Cedartown **State** GA **NPL** N **Cost** $1,692,300 **Start** 06/26/89 **Completion** 09/09/89	Other The site of an inactive battery and scrap metal business contained large piles of battery casings. The site covers approximately 6 acres.	Acids Metals	Air Contamination Direct Contact Groundwater Contamination Soil Contamination Surface Water Contamination	Sampling/Analysis Site Security AT: Stabilization
Name Chemresol Inc. **City** Brunswick **State** GA **NPL** N **Cost** $250,150 **Start** 04/20/88 **Completion** 12/22/88	Inactive Waste Management Facility Seven hundred tons of galvanized pit wastes and smelter dust were stored in deteriorating fiber bags and drums. Various lab chemicals were also present at the facility. The site was near residential drinking water wells.	Acids Metals Non-Volatile Organics	Direct Contact Groundwater Contamination Soil Contamination	Sampling/Analysis Site Security Disposal AT: Chemical

* This site is a Classic Emergency removal action.

SUPERFUND EMERGENCY RESPONSE ACTIONS

Site Information	Incident Category/Description	Primary Contaminants	Threat(s)	Mitigative Action(s)
Name Gwinnett County Lab Pack * **City** Suwanee **State** GA **NPL** N **Cost** $5,000 **Start** 10/28/88 **Completion** 10/28/88	Midnight Dump A lab pack was found in a wooded area by a hunter. Thirty-eight containers of various substances had been abandoned.	Bases Acids Solvents Salts	Fire/Explosion Hazard Direct Contact Soil Contamination	Excavation Disposal AT: Thermal Destruction
Name Headland Drive Drums * **City** East Point **State** GA **NPL** N **Cost** $1,000 **Start** 05/14/89 **Completion** 05/14/89	Midnight Dump The site involved 11 abandoned drums (labelled as hazardous wastes) dumped behind a shopping center.	Suspected Hazardous Materials	Direct Contact	Disposal
Name Khoury Trailer Park **City** Fort Valley **State** GA **NPL** N **Cost** $20,000 **Start** 09/13/88 **Completion** 03/15/89	Other Five abandoned, unmarked, and leaking drums were found near a mobile home park.	Unknown	Direct Contact Surface Water Contamination	Sampling/Analysis Overpacked Drums Disposal
Name National Smelting & Refining Co. **City** Atlanta **State** GA **NPL** N **Cost** $1,170 **Start** 06/14/89 **Completion** 06/26/89	Inactive Production Facility The site involved several waste disposal pits. Waste was dumped on the ground, and lead slag and dust covered the site. Lead sludge was also present. PRP did actual cleanup.	Metals Arsenic	Air Contamination Biological Threats Direct Contact Surface Water Contamination Soil Contamination	Sampling/Analysis Organized Materials Bulked Materials

* This site is a Classic Emergency removal action.

SUPERFUND EMERGENCY RESPONSE ACTIONS

Site Information	Incident Category/Description	Primary Contaminants	Threat(s)	Mitigative Action(s)
Name: Paper Mill Road Abandoned Drum *. City: Lawrenceville State: GA NPL: N Cost: $15,000 Start: 10/11/88 Completion: 01/25/89	Midnight Dump A leaking drum was abandoned on the roadside.	Unknown	Direct Contact Soil Contamination	Sampling/Analysis Overpacked Drums Disposal
Name: Clyde Elrod Drum Site * City: Kevil State: KY NPL: N Cost: $13,000 Start: 06/07/89 Completion: 07/31/89	Other Approximatley 50 paint drums were removed from a paint shop and stored at a privately owned farm.	Volatile Organics Solvents	Groundwater Contamination Direct Contact Soil Contamination	Sampling/Analysis
Name: Donaldson Art Sign Company City: Covington State: KY NPL: N Cost: $120,000 Start: 05/31/88 Completion: 02/22/89	Active Production Facility The plant was an abandoned sign painting company. The site was in an urban residential neighborhood, within 50 feet of homes. Several fires had occurred on site.	Volatile Organics	Fire/Explosion Hazard Direct Contact	Sampling/Analysis Bulked Materials Overpacked Drums Disposal
Name: Henderson Drum Site * City: Henderson State: KY NPL: N Cost: $54,250 Start: 01/20/89 Completion: 07/19/89	Other The site was a 14-acre concrete and construction debris-filled area. Eighty-three 55-gallon drums have been dumped on the site. Thirty-six of these drums had leaked their contents.	Volatile Organics Solvents	Fire/Explosion Hazard Soil Contamination Direct Contact Groundwater Contamination	Sampling/Analysis Overpacked Drums Disposal

* This site is a Classic Emergency removal action.

SUPERFUND EMERGENCY RESPONSE ACTIONS

Site Information	Incident Category/Description	Primary Contaminants	Threat(s)	Mitigative Action(s)
Name National Electric Service Site * **City** Dayhoit **State** KY **NPL** N **Cost** $11,000 **Start** 03/04/89 **Completion** 09/18/89	Active Production Facility This facility manufactured mining machinery. Degreasing solvents and repainting wastes were found on site. Waste disposal practices at the company on and off site resulted in contamination of drinking water wells adjacent to and approximately 1 mile down river from the facility.	Volatile Organics Solvents	Drinking Water Contamination	Sampling/Analysis Alternate Drinking Water
Name Taylor A L Site + * **City** Shepherdsville **State** KY **NPL** Y **Cost** $200,000 **Start** 10/28/88 **Completion** 07/01/89	Inactive Waste Management Facility A 13-acre refuse/chemical dump and drum recycling center contained 4,200 leaking drums of ignitable solvents and incompatible acids. The drums were leaking into a tributary of the Ohio River.	PCBs Volatile Organics Solvents Acids Bases	Fire/Explosion Hazard Groundwater Contamination Soil Contamination Surface Water Contamination	Capping Migration Control
Name Amory Civil Defense Hospital **City** Amory **State** MS **NPL** N **Cost** $59,750 **Start** 04/11/89 **Completion** 04/13/89	Other A former civil defense hospital, located in the basement of a Post Office, contained old laboratory chemicals and ether dating back to 1957.	Volatile Organics Solvents	Fire/Explosion Hazard	Detonation Disposal AT: Recycling
Name DSI Facility **City** Biloxi **State** MS **NPL** N **Cost** $1,000,000 **Start** 07/07/88 **Completion** 05/31/89	Active Waste Management Facility Waste oil sludge remained on site in three lagoons and at the bottom of treatment tanks. A river, which is a habitat for endangered species, is located within 3 miles of the site.	Volatile Organics Waste Oil Acids	Direct Contact Soil Contamination Surface Water Contamination	Excavation Disposal

+ A removal action was previously completed at this site. Cost is cumulative for this action and price completion(s).

* This site is a Classic Emergency removal action.

SUPERFUND EMERGENCY RESPONSE ACTIONS

Site Information	Incident Category/Description	Primary Contaminants	Threat(s)	Mitigative Action(s)
Name Newsom Bros. Old Reichold Site + **City** Columbia **State** MS **NPL** Y **Cost** $25,000 **Start** 11/09/88 **Completion** 02/17/89	Inactive Waste Management Facility This chemical manufacturing facility closed following an explosion in 1979. Many chemical wastes were left on site.	Volatile Organics Non-Volatile Organics Bases	Drinking Water Contamination Soil Contamination Surface Water Contamination	Sampling/Analysis Migration Control
Name Prentiss Creosote & Forest Products **City** Prentiss **State** MS **NPL** N **Cost** $2,250,612 **Start** 03/30/87 **Completion** 02/17/89	Inactive Waste Management Facility A bankrupt wood-treating company included three lagoons that threatened to overflow into a stream. The site was located 2 miles outside of the city, and near residents with private wells.	Volatile Organics Non-Volatile Organics	Groundwater Contamination Direct Contact Surface Water Contamination	Pumped Contaminants Treatment Temporary Storage Disposal AT: Thermal Destruction
Name Cape Fear Wood Processing + **City** Fayetteville **State** NC **NPL** Y **Cost** $25,000 **Start** 11/09/88 **Completion** 02/17/89	Inactive Production Facility Containers of chemicals for wood treatment were deteriorating at this abandoned facility.	Arsenic Volatile Organics Metals	Direct Contact Groundwater Contamination Soil Contamination	Sampling/Analysis
Name Carbonton Road Drum Site **City** Sanford **State** NC **NPL** N **Cost** $11,000 **Start** 05/24/88 **Completion** 11/11/88	Other A residential property, which was used for waste disposal, contained deteriorating drums.	Arsenic Metals Waste Oil	Direct Contact Fire/Explosion Hazard	Sampling/Analysis Overpacked Drums Disposal

+ A removal action was previously completed at this site. Cost is cumulative for this action and price completion(s).

SUPERFUND EMERGENCY RESPONSE ACTIONS

Site Information	Incident Category/Description	Primary Contaminants	Threat(s)	Mitigative Action(s)
Name Chadbourn Tire Fire * **City** Chadbourn **State** NC **NPL** N **Cost** $25,000 **Start** 11/24/88 **Completion** 11/24/88	Other A warehouse with 100,000 used tires and an adjoining dry cleaning establishment caught fire and burned. There is a surrounding population of 2,100.	Volatile Organics Metals Acids	Air Contamination Soil Contamination	Sampling/Analysis Extinguished Fire Migration Control
Name Currituck Phosphorus * **City** Currituck **State** NC **NPL** N **Cost** $1,000 **Start** 01/20/89 **Completion** 01/20/89	Midnight Dump A phosphorus flare was found on the beach and then moved to the emergency services command post.	Inorganic Waste	Direct Contact	Detonation
Name Martins Creek Road * **City** Barnardsville **State** NC **NPL** N **Cost** $12,000 **Start** 10/04/88 **Completion** 05/31/89	Other An abandoned 55-gallon drum was found in a vacant lot.	Unknown	Direct Contact Soil Contamination	Sampling/Analysis Overpacked Drums Disposal
Name Pierce (Lynn) Property **City** Apex **State** NC **NPL** N **Cost** $16,435 **Start** 09/28/88 **Completion** 06/01/89	Other Residents discovered drums of unknown contents in their backyards.	Volatile Organics	Direct Contact Soil Contamination Surface Water Contamination	Sampling/Analysis Overpacked Drums Disposal

* This site is a Classic Emergency removal action.

SUPERFUND EMERGENCY RESPONSE ACTIONS

Site Information	Incident Category/Description	Primary Contaminants	Threat(s)	Mitigative Action(s)
Name Pilot Mountain Tire Fire * **City** Pilot Mountain **State** NC **NPL** N **Cost** $190,000 **Start** 10/27/88 **Completion** 11/03/88	Other Over a million tires caught fire in a ravine that was 30 feet deep and 8 to 10 feet wide.	Volatile Organics Acids Metals	Air Contamination Soil Contamination	Monitoring Collection/Retention Installing Heat Sensors
Name Red Cap Dog Food * **City** Burlington **State** NC **NPL** N **Cost** $70,000 **Start** 03/30/89 **Completion** 09/14/89	Inactive Production Facility The site involved approximately 20 55-gallon abandoned drums and 40 containers.	Volatile Organics Metals Acids Bases Pesticides	Direct Contact Air Contamination	Sampling/Analysis Overpacked Drums Disposal
Name United House of Prayer Drum Site * **City** Salisbury **State** NC **NPL** N **Cost** $5,000 **Start** 11/04/88 **Completion** 12/22/88	Other This site involved eleven abandoned drums. A small stream that flows within 100 feet of the drum site was threatened by a potential release.	Unknown	Direct Contact Soil Contamination Surface Water Contamination	Sampling/Analysis Overpacked Drums Disposal
Name B. Miller Site * **City** Mullins **State** SC **NPL** N **Cost** $95,000 **Start** 07/31/89 **Completion** 08/26/89	Inactive Production Facility A load of chemicals, probably from a truck, was illegally dumped on the highway right-of-way. The chemicals dissolved a buried water supply line.	Volatile Organics Solvents	Direct Contact Drinking Water Contamination Soil Contamination	Excavation Disposal Restoration

* This site is a Classic Emergency removal action.

SUPERFUND EMERGENCY RESPONSE ACTIONS

Site Information	Incident Category/Description	Primary Contaminants	Threat(s)	Mitigative Action(s)
Name Newsom Bros. Old Reichold Site + **City** Columbia **State** MS **NPL** Y **Cost** $25,000 **Start** 11/09/88 **Completion** 02/17/89	Inactive Waste Management Facility This chemical manufacturing facility closed following an explosion in 1979. Many chemical wastes were left on site.	Volatile Organics Non-Volatile Organics Bases	Drinking Water Contamination Soil Contamination Surface Water Contamination	Sampling/Analysis Migration Control
Name Prentiss Creosote & Forest Products **City** Prentiss **State** MS **NPL** N **Cost** $2,250,612 **Start** 03/30/87 **Completion** 02/17/89	Inactive Waste Management Facility A bankrupt wood-treating company included three lagoons that threatened to overflow into a stream. The site was located 2 miles outside of the city, and near residents with private wells.	Volatile Organics Non-Volatile Organics	Groundwater Contamination Direct Contact Surface Water Contamination	Pumped Contaminants Treatment Temporary Storage Disposal AT: Thermal Destruction
Name Cape Fear Wood Processing + **City** Fayetteville **State** NC **NPL** Y **Cost** $25,000 **Start** 11/09/88 **Completion** 02/17/89	Inactive Production Facility Containers of chemicals for wood treatment were deteriorating at this abandoned facility.	Arsenic Volatile Organics Metals	Direct Contact Groundwater Contamination Soil Contamination	Sampling/Analysis
Name Carbonton Road Drum Site **City** Sanford **State** NC **NPL** N **Cost** $11,000 **Start** 05/24/88 **Completion** 11/11/88	Other A residential property, which was used for waste disposal, contained deteriorating drums.	Arsenic Metals Waste Oil	Direct Contact Fire/Explosion Hazard	Sampling/Analysis Overpacked Drums Disposal

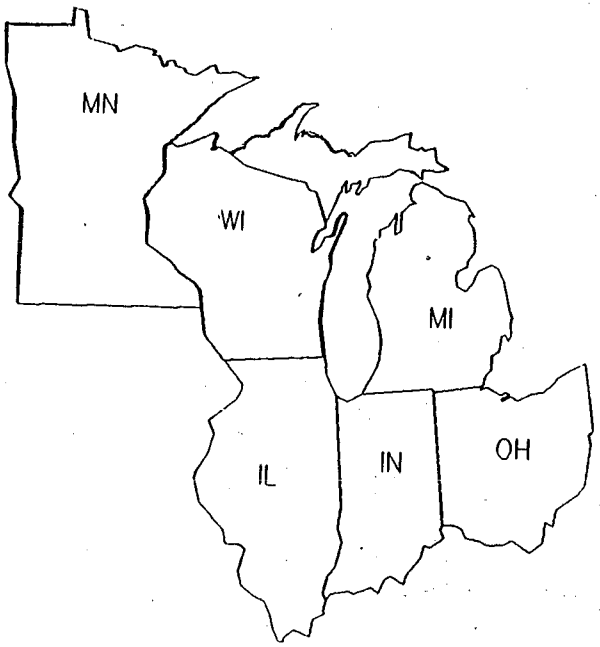
+ A removal action was previously completed at this site. Cost is cumulative for this action and price completion(s).

SUPERFUND EMERGENCY RESPONSE ACTIONS

Site Information	Incident Category/Description	Primary Contaminants	Threat(s)	Mitigative Action(s)
Name Wrigley Charcoal **City** Wrigley **State** TN **NPL** Y **Cost** $1,200,000 **Start** 08/24/88 **Completion** 11/04/88	Inactive Production Facility Tar sludge (4,200 cubic yards) was left on site in tar pits. Mill Creek, which serves 5,500 people, is located near the site and there was a danger that the west bank of the creek would cut into the tar pit.	Volatile Organics Acids	Direct Contact Soil Contamination Surface Water Contamination Drinking Water Contamination	Migration Control
Name Wrigley Charcoal + **City** Wrigley **State** TN **NPL** Y **Cost** $575,042 **Start** 02/06/89 **Completion** 02/15/89	Inactive Production Facility Leaks developed at several points in the berm that contains the tar pit. Leaked contaminants are flowing into Mill Creek.	Volatile Organics Acids	Direct Contact Soil Contamination Surface Water Contamination Drinking Water Contamination	Migration Control

+ A removal action was previously completed at this site. Cost is cumulative for this action and price completion(s).

U.S. EPA REGION 5



For Information Contact:

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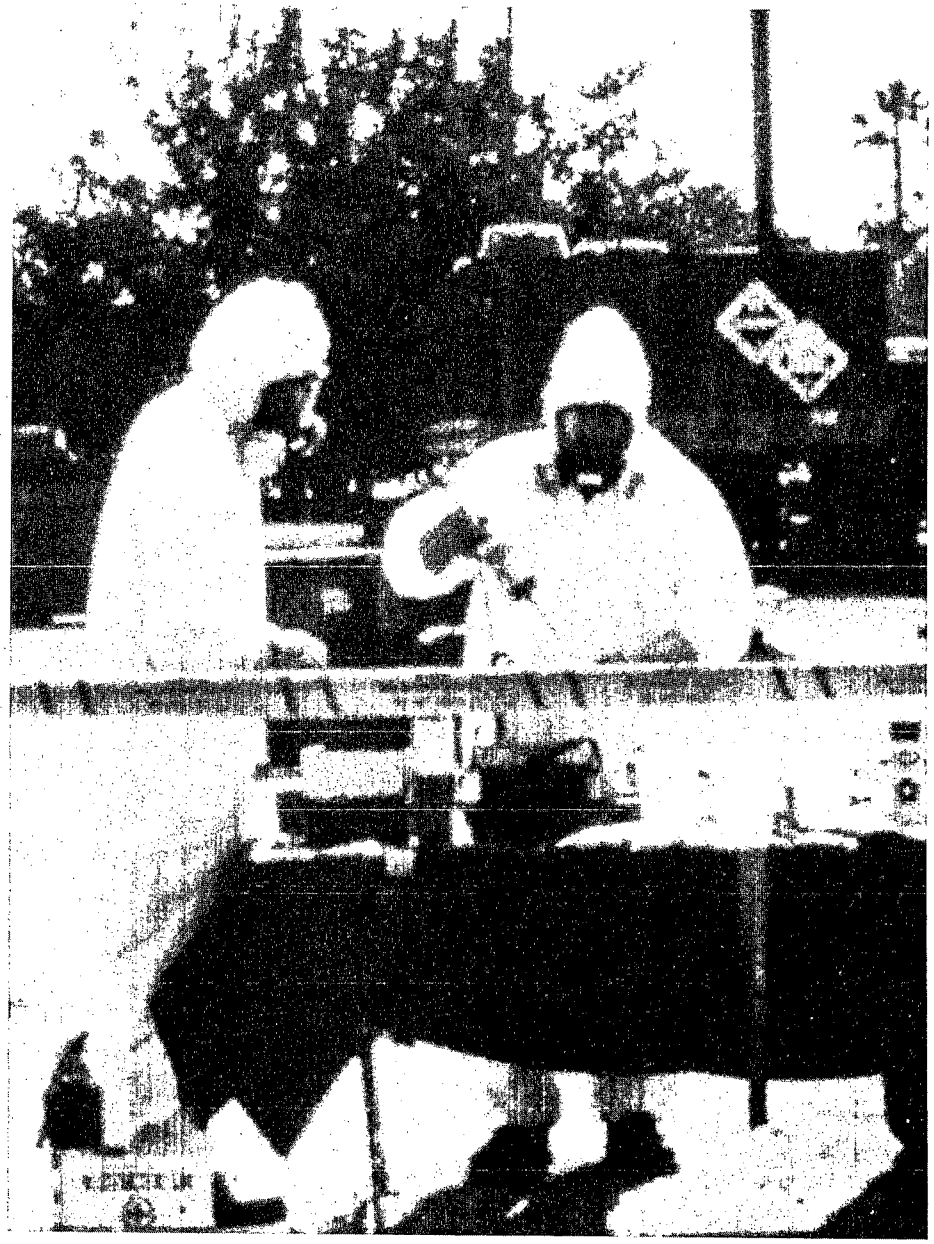
230 S. Dearborn Street
Chicago, IL 60604
(312) 886-6236



REGION 5 FY 1989 REMOVAL COMPLETIONS

STATE	SITE NAME	CITY	NPL STATUS	CLASSIC EMERGENCY*
IL	Chicago Industrial Waste Haulers +	Alsip	N	
IN	I.J. Recycling +	Fort Wayne	N	
	Midco II +	Gary	Y	
	Western Scrap Corp.	Gary	N	
	Westville Oil Co. +	Westville	N	
MI	Carter Industrials, Inc. +	Detroit	Y	
	Carter Industries	Detroit	Y	
	Group Eight Technology	Wyandotte	N	
	Holtzman/Silverman	Ypsilanti	N	
	Pioneer Equipment Co.	Detroit	N	
	Thermo Chem Inc.	Muskegon	Y	X
	Zeiman & Grames Road Dump Site	Milan	N	
MN	South Andover Sites	Andover	Y	
	Union Scrap Iron Metal +	Minneapolis	Y	
OH	Dayton Tire & Rubber Co. +	Dayton	N	
	Krejci Dump	Boston Twp., Summit County	N	
	Summit Nat'l Liquid Disposal Serv. +	Deerfield	Y	X
WI	Alpha Casting Foundries	Palmyra	N	X
	J.K. Drum	New London	N	

TOTALS FOR REGION 5
Number of Removal Completions..... 19
NPL Sites..... 7
Classic Emergency Sites..... 3

Total Cost for FY 89: $18,324,135

+ A removal action was previously completed at this site.

* Classic Emergencies are those actions where the release requires that on-site activities be initiated within hours of the lead agency's determination that a removal action is appropriate.

SUPERFUND EMERGENCY RESPONSE ACTIONS

Site Information	Incident Category/Description	Primary Contaminants	Threat(s)	Mitigative Action(s)
Name: Chicago Industrial Waste Haulers + City: Alsip State: IL NPL: N Cost: $100,000 Start: 05/19/89 Completion: 06/09/89	Inactive Waste Management Facility The site was a facility that formerly cleaned and repaired tanks, brokered waste oil, and transported hazardous wastes. EPA began the removal action when the PRPs were in non-compliance with an AO. The PRP will finish cleaning up the site.	PCBs Volatile Organics Solvents	Soil Contamination Direct Contact Fire/Explosion Hazard Groundwater Contamination Drinking Water Contamination Air Contamination Surface Water Contamination	Organized Materials Disposal AT: Thermal Destruction
Name: I.J. Recycling + City: Fort Wayne State: IN NPL: N Cost: $2,815,000 Start: 09/27/87 Completion: 11/18/88	Inactive Waste Management Facility The site was a former waste oil/solvent recycling facility and includes approximately 3,000 drums and 21 above-ground storage tanks. EPA's initial removal action involved stabilizing the site. This removal action involved removing wastes. The PRP will finish cleaning up the site.	PCBs Solvents Volatile Organics	Direct Contact Fire/Explosion Hazard Surface Water Contamination Air Contamination/Inhalation Soil Contamination Drinking Water Contamination	Site Security Bulked Materials Overpacked Drums Disposal AT: Thermal Destruction
Name: Midco II + City: Gary State: IN NPL: Y Cost: $2,853,000 Start: 12/19/84 Completion: 05/26/89	Inactive Waste Management Facility This 7-acre site was a solvent industrial waste recycling and disposal facility. The site was abandoned after a fire occurred on site. An initial action addressed the above-ground tanks. This particular action addressed twelve burned and deteriorating 10,000 gallon above ground tanks, a sludge pit, and a filter pit. The site was abandoned after a fire occurred.	PCBs Solvents Volatile Organics Metals	Direct Contact Fire/Explosion Hazard Soil Contamination Surface Water Contamination Groundwater Contamination Drinking Water Contamination	Site Security Excavation Bulked Materials Disposal AT: Thermal Destruction
Name: Western Scrap Corp. City: Gary State: IN NPL: N Cost: $296,200 Start: 07/09/86 Completion: 03/16/89	Other The site included 400 drums, small pails and cans, and 7 tanker trailers, many of which were leaking. The site was unsecured.	PCBs Non-Volatile Organics Volatile Organics Cyanide	Direct Contact Fire/Explosion Hazard Soil Contamination	Sampling/Analysis Solidified Materials Overpacked Drums Disposal AT: Thermal Destruction

+ A removal action was previously completed at this site. Cost is cumulative for this action and price completion(s).

SUPERFUND EMERGENCY RESPONSE ACTIONS

Site Information	Incident Category/Description	Primary Contaminants	Threat(s)	Mitigative Action(s)
Name Westville Oil Co. + **City** Westville **State** IN **NPL** N **Cost** $3,260,000 **Start** 10/07/88 **Completion** 12/12/88	Industrial Waste Management Facility The site was a former waste oil recycling facility that was contaminated with PCBs. EPA's initial response was to stabilize the site, including installing a synthetic liner. This removal action was an emergency response to repair the liner.	PCBs Volatile Organics	Direct Contact Drinking Water Contamination Groundwater Contamination Soil Contamination	Collection/Retention Migration Control
Name Carter Industrials, Inc. * **City** Detroit **State** MI **NPL** Y **Cost** $1,904,000 **Start** 06/06/86 **Completion** 05/31/89	Inactive Production Facility The site was unsecured and involved PCB-contaminated soil, oil, and areas outside of the site. The surrounding neighborhood had significant contamination.	PCBs	Direct Contact Soil Contamination	Sampling/Analysis Site Security Excavation Capping Disposal
Name Group Eight Technology **City** Wyandotte **State** MI **NPL** N **Cost** $42,500 **Start** 08/11/89 **Completion** 09/19/89	Inactive Production Facility This site was a hubcap manufacturing plant partially destroyed by a fire. Several plating pits with high levels of chromium and PCB-contaminated transformers were on site. After EPA secured the site, the PRP took responsibility for cleanup.	PCBs Chromium	Soil Contamination Direct Contact Surface Water Contamination Groundwater Contamination	Site Security Migration Control
Name Holtzman/Silverman **City** Ypsilanti **State** MI **NPL** N **Cost** $38,000 **Start** 03/27/89 **Completion** 03/29/89	Other The site was a sand and gravel extraction facility. Former dumping activities resulted in PCB contamination and drums of wastes left on site.	PCBs Volatile Organics Solvents	Direct Contact Soil Contamination Surface Water Contamination	Sampling Analysis

+ A removal action was previously completed at this site. Cost is cumulative for this action and price completion(s).

* This site is a Classic Emergency removal action.

SUPERFUND EMERGENCY RESPONSE ACTIONS

Site Information	Incident Category/Description	Primary Contaminants	Threat(s)	Mitigative Action(s)
Name: Pioneer Equipment Co. City: Detroit State: MI NPL: N Cost: $716,000 Start: 07/22/87 Completion: 12/02/88	Inactive Waste Management Facility Electrical equipment leaking oil, as well as drums and compressed tanks containing unknown materials, were discovered in a warehouse. Residential areas and two schools are located near the site.	PCBs Asbestos	Direct Contact Surface Water Contamination	Bulked Material Overpacked Drums Disposal AT: Thermal Destruction
Name: Thermo Chem Inc. * City: Muskegon State: MI NPL: Y Cost: $50,000 Start: 09/12/88 Completion: 12/20/88	Inactive Production Facility This inactive facility included contaminated soils, pits, vats, three small buildings, three seepage lagoons, and two above-ground tank farms.	Solvents Acids Bases	Direct Contact Fire/Explosion Hazard	Sampling/Analysis Bulked Materials Disposal AT: Thermal Destruction
Name: Zeiman & Grames Road Dump Site City: Milan State: MI NPL: N Cost: $1,470,000 Start: 10/05/87 Completion: 12/22/88	Other The site included 5 acres of farmland which were utilized as a disposal area for drums of hazardous wastes. Residents with drinking water wells are located within 1/2 mile of the site.	PCBs Acids Solvents Inorganic Waste	Direct Contact Soil Contamination Surface Water Contamination Groundwater Contamination Drinking Water Contamination	Sampling/Analysis Excavation Overpacked Drums Migration Control Disposal AT: Chemical
Name: South Andover Sites City: Andover State: MN NPL: Y Cost: $66,032 Start: 06/19/89 Completion: 08/11/89	Inactive Waste Management Facility This site included chemical wastes, paints, solvents, and inks. There were also over 3 million tires on site. The mitigative action involved erecting a fence to eliminate midnight dumping and to secure the site pending remedial action.	PCBs Solvents Metals Volatile Organics	Fire/Explosion Groundwater Contamination Surface Water Contamination Soil Contamination Ecological Damage	Site Security

* This site is a Classic Emergency removal action.

SUPERFUND EMERGENCY RESPONSE ACTIONS

Site Information	Incident Category/Description	Primary Contaminants	Threat(s)	Mitigative Action(s)
Name Union Scrap Iron Metal + **City** Minneapolis **State** MN **NPL** Y **Cost** $628,500 **Start** 11/27/87 **Completion** 12/12/88	Inactive Waste Management Facility Prior battery recycling activities at this site resulted in lead contamination of on-site soils, debris, a building, and a concrete pad.	Metals	Air Contamination/Inhalation Direct Contact Soil Contamination Groundwater Contamination	Site Security Containment/Retention Excavation Disposal
Name Dayton Tire & Rubber Co. + **City** Dayton **State** OH **NPL** N **Cost** $2,133,927 **Start** 12/07/87 **Completion** 08/08/89	Inactive Production Facility The site was an abandoned tire manufacturing plant. During periods of heavy rainfall, PCB-contaminated oil washed into an adjacent creek.	PCBs Waste Oil	Surface Water Contamination Soil Fire/Explosion Hazard Groundwater Contamination Ecological Damage	Site Security Excavation Solidified Materials Disposal AT: Thermal Destruction Chemical
Name Krejci Dump **City** Boston Twp., Summit County **State** OH **NPL** N **Cost** $1,509,650 **Start** 06/09/87 **Completion** 11/04/88	Inactive Waste Management Facility Several thousand leaking drums, lab packs, compressed gas cylinders, bulk sludge containers, and a lagoon were discovered on site. A residential area is located 1/4 mile away.	PCBs Solvents Metals	Direct Contact Surface Water Contamination Soil Contamination	Sampling/Analysis Site Security Solidified Materials Overpacked Drums Disposal
Name Summit Nat'l Liquid Disposal Serv. +* **City** Deerfield **State** OH **NPL** Y **Cost** $363,326 **Start** 06/15/89 **Completion** 06/17/89	Inactive Waste Management Facility The site is an abandoned incineration facility. Two previous removals addressed surface containers, an underground storage tank, and migration control. This action addressed overflow caused by heavy rainfall.	Volatile Organics Acids	Surface Water Contamination Soil Contamination Direct Contact	Migration Control Site Restoration

+ A removal action was previously completed at this site. Cost is cumulative for this action and price completion(s).

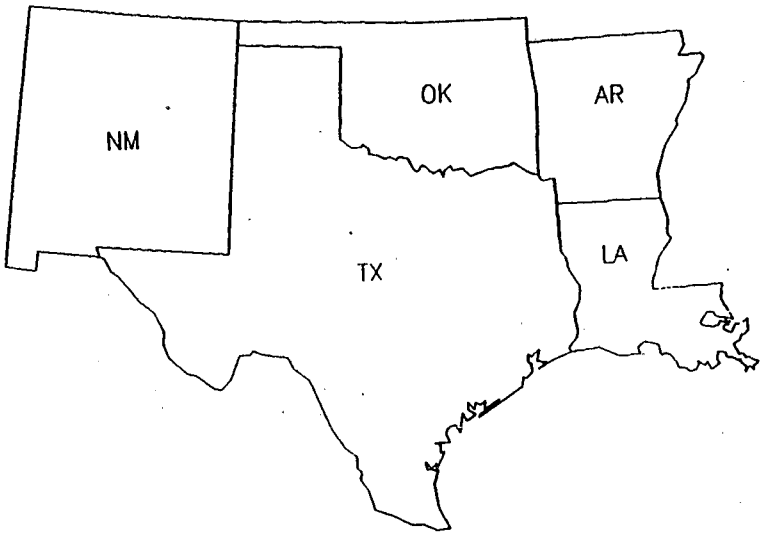
* This site is a Classic Emergency removal action.

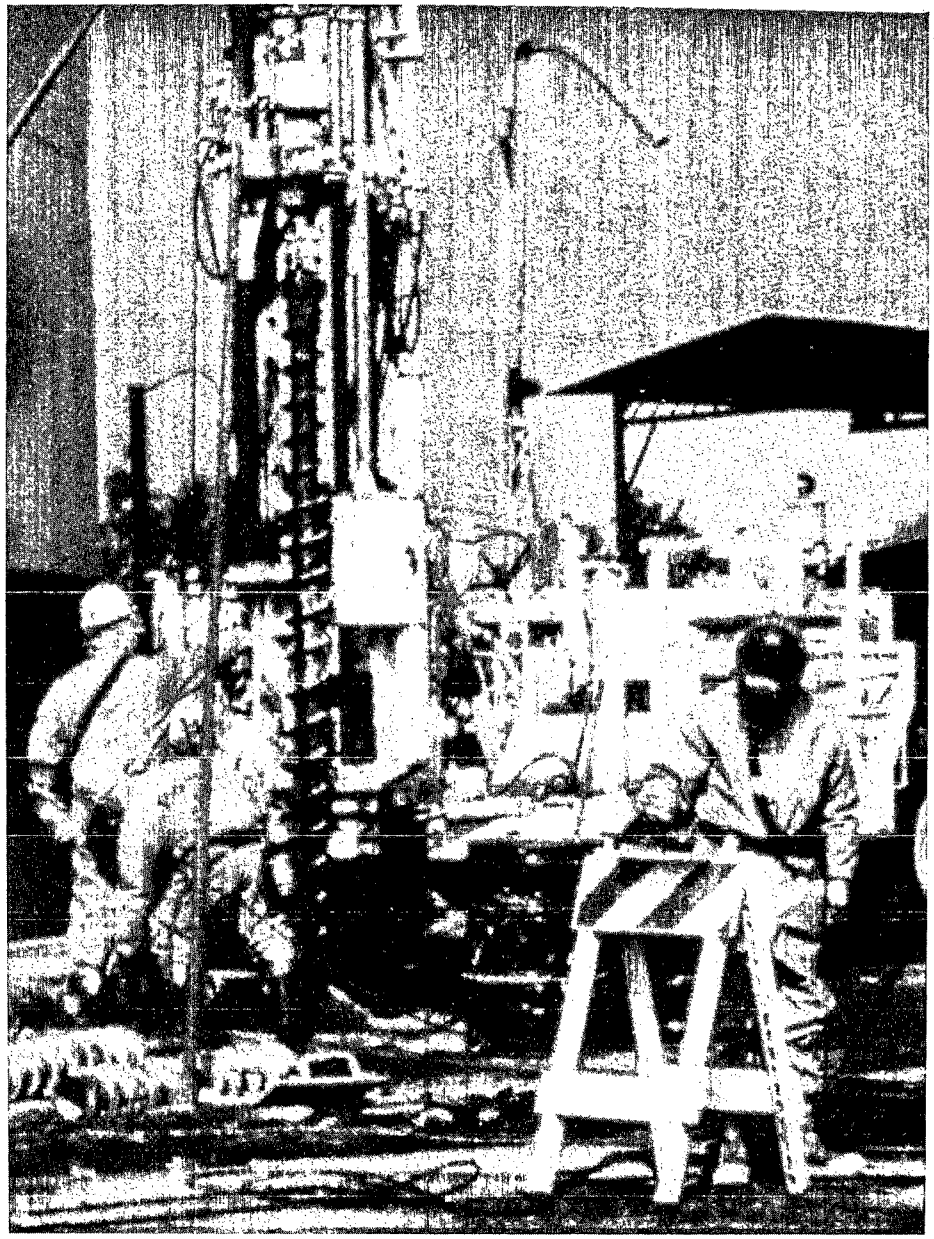
SUPERFUND EMERGENCY RESPONSE ACTIONS

Site Information	Incident Category/Description	Primary Contaminants	Threat(s)	Mitigative Action(s)
Name: Alpha Casting Foundries * City: Palmyra State: WI NPL: N Cost: $53,000 Start: 07/13/88 Completion: 02/23/89	Other Wastes left on site contaminated the air, causing dizziness and nausea to personnel from the Palmyra Police and WDNR who visited the site.	Bases	Fire/Explosion Hazard Air Contamination Direct Contact	Sampling/Analysis Excavation Disposal AT: Thermal Destruction
Name: J.K. Drum City: New London State: WI NPL: N Cost: $25,000 Start: 08/16/89 Completion: 08/18/89	Other The site was a former drum reconditioning facility that included a building with open vats of acid and deteriorating drums. This removal action involved securing and stabilizing the site.	Bases Acids Volatile Organics	Direct Contact Fire/Explosion Hazard Groundwater Contamination Soil Contamination Surface Water Contamination	Site Security Organized Materials Overpacked Drums

* This site is a Classic Emergency removal action.

U.S. EPA REGION 6





For Information Contact:

Chief, Emergency Response Branch, Environmental Services Division
1445 Ross Avenue
Dallas, TX 75202
(214) 655-2270

REGION 6 FY 1989 REMOVAL COMPLETIONS

STATE	SITE NAME	CITY	NPL STATUS	CLASSIC EMERGENCY*
AR	Gramlich Residence Site	Fort Smith	N	
	Jacksonville Crane Site	Jacksonville	N	
	Weatherford Residence	Jacksonville	N	
LA	American Creosote +	Winnifield	N	
NM	Springer Wood Treater	Springer	N	
OK	Fourth Street Abandoned Refinery	Oklahoma City	Y	
TX	Catford Road	Houston	N	
	Crystal Chemical Company	Houston	Y	
	Davis Street Drum Site	Houston	N	
	French, Ltd.	Crosby	Y	X
	Jensen Drive Drum Site	Houston	N	
	Jensen Drive Drum Site +	Houston	N	
	Sikes Disposal Pits +	Crosby	Y	X
	Sikes Disposal Pits +	Crosby	Y	X
	Texarkana Wood Preserving Co. +	Texarkana	Y	
	Texarkana Wood Preserving Co. +	Texarkana	Y	X
	U.S. Customs - Millington Addition	Presidio	N	

\+ A removal action was previously completed at this site.

* Classic Emergencies are those actions where the release requires that on-site activities be initiated within hours of the lead agency's determination that a removal action is appropriate.

REGION 6 FY 1989 REMOVAL COMPLETIONS

USCG SITES

LA	Seawall	New Orleans	N
TX	Affel Part	Galveston	N
	Bolivar Beach	Bolivar	N
	Galveston Beach	Galveston	N
	Gulf Intercoastal Waterway	Galveston	N
	Matagorda Beach	Matagorda	N
	Offatts Bayou	Galveston	N
	Pirate's Beach	Galveston Island	N
	Pocket Park	Galveston	N
	Port Bolivar	Galveston	N
	Rollover Pass	Gilchrist	N
	Spanish Grant Beach	Galveston	N
	Stewart Beach	Galveston	N

TOTALS FOR REGION 6:
- Number of Removal Completions..... 30
  - NPL Sites..... 7
  - Classic Emergency Sites..... 5
- Total Cost for FY 89 (excluding USCG sites): $4,029,210

+ A removal action was previously completed at this site.

* Classic Emergencies are those actions where the release requires that on-site activities be initiated within hours of the lead agency's determination that a removal action is appropriate.

SUPERFUND EMERGENCY RESPONSE ACTIONS

Site Information	Incident Category/Description	Primary Contaminants	Threat(s)	Mitigative Action(s)
Name Gramlich Residence Site **City** Fort Smith **State** AR **NPL** N **Cost** $1,375,968 **Start** 07/06/88 **Completion** 11/16/88	Other PCB contamination of a city block resulted from the storage and spraying of PCB oil on unpaved roads and alleys.	PCBs Pesticides Non-Volatile Organics	Soil Contamination Direct Contact	Sampling/Analysis Excavation Site Restoration Disposal
Name Jacksonville Crane Site **City** Jacksonville **State** AR **NPL** N **Cost** $20,991 **Start** 04/21/89 **Completion** 06/20/89	Other An industrial crane was contaminated. The site was unsecured.	Acids Dioxin Volatile Organics	Groundwater Contamination Soil Contamination Surface Water Contamination	Bulked Materials Relocated to NPL Site
Name Weatherford Residence **City** Jacksonville **State** AR **NPL** N **Cost** $212,444 **Start** 04/20/89 **Completion** 06/21/89	Other Dioxin contaminated trucks, soil, and equipment were stored in a residential area.	Acids Dioxin Volatile Organics	Groundwater Contamination Soil Contamination Surface Water Contamination	Bulked Materials Relocated to NPL Site
Name American Creosote + **City** Winnifield **State** LA **NPL** N **Cost** $872,363 **Start** 04/10/89 **Completion** 08/06/89	Other Wood preservative chemicals were left in tanks whose failure was imminent. Collapse of tanks would have resulted in a discharge to bordering creeks.	Volatile Organics Non-Volatile Organics	Air Contamination Direct Contact Ecological Damage Soil Contamination Surface Water Contamination	Solidified Materials Bulked Materials Pumped Contaminants Disposal AT: Chemical

+ A removal action was previously completed at this site. Cost is cumulative for this action and price completion(s).

SUPERFUND EMERGENCY RESPONSE ACTIONS

Site Information	Incident Category/Description	Primary Contaminants	Threat(s)	Mitigative Action(s)
Name Springer Wood Treater **City** Springer **State** NM **NPL** N **Cost** $837,100 **Start** 08/15/88 **Completion** 06/18/89	Inactive Production Facility Soil was contaminated during a wood treating process. Wind and water caused a high rate of erosion and contamination of drainage ditch. Residents and businesses are located near the site.	Furans Dioxin Volatile Organics Non-Volatile Organics	Direct Contact Surface Water Contamination	Site Security Excavation Disposal
Name Fourth Street Abandoned Refinery **City** Oklahoma City **State** OK **NPL** Y **Cost** $31,798 **Start** 09/05/89 **Completion** 09/27/89	Inactive Production Facility The site involved an abandoned oil refinery/reclamation facility that included two unlined, liquid-filled sludge pits, several liquid-filled sumps, and a large tar mat. Additionally, the site had been used as a trash dump. This NPL site was only partially fenced and therefore open to trespassers.	Metals Volatile Organics Pesticides	Direct Contact Groundwater Contamination Surface Water Contamination Soil Contamination	Site Security
Name Catford Road **City** Houston **State** TX **NPL** N **Cost** $12,356 **Start** 08/12/88 **Completion** 01/04/89	Midnight Dump Eighteen drums were discovered in an unused right-of-way. Drums leaked onto the soil. Access was unrestricted.	Volatile Organics	Direct Contact Soil Contamination Surface Water Contamination Fire/Explosion Hazard	Sampling/Analysis Overpacked Drums Excavation Disposal
Name Crystal Chemical Company **City** Houston **State** TX **NPL** Y **Cost** $139,071 **Start** 08/30/88 **Completion** 10/13/88	Other The site involved containers of raw and finished products that spilled/leaked. Rain caused the contamination to spread outside the site area.	Arsenic	Direct Contact Soil Contamination Surface Water Contamination	Site Security Migration Control Disposal Capping

SUPERFUND EMERGENCY RESPONSE ACTIONS

Site Information	Incident Category/Description	Primary Contaminants	Threat(s)	Mitigative Action(s)
Name Davis Street Drum Site **City** Houston **State** TX **NPL** N **Cost** $188,454 **Start** 03/21/89 **Completion** 04/24/89	Midnight Dump Drums containing asphalt residues and paint wastes were found abandoned and deteriorating. Many were open to the environment, leaking their contents into the soil. The site was accessible to trespassers.	Arsenic Metals Volatile Organics	Direct Contact Soil Contamination	Excavation Overpacked Drums Staged Drums Disposal
Name French, Ltd. * **City** Crosby **State** TX **NPL** Y **Cost** $7,958 **Start** 05/23/89 **Completion** 06/05/89	Inactive Production Facility Flood waters inundated the site, creating concerns for drinking water supplies.	Volatile Organics Toxic Gases	Drinking Water Contamination Groundwater Contamination Surface Water Contamination	Provided Bottled Water
Name Jensen Drive Drum Site **City** Houston **State** TX **NPL** N **Cost** $237,366 **Start** 12/14/88 **Completion** 04/24/89	Inactive Waste Management Facility Drums filled with various chemicals were stored improperly.	Arsenic Metals Volatile Organics Acids Bases	Air Contamination Ecological Damage Direct Contract Threat Fire/Explosion Hazard Soil Contamination	Sampling/Analysis Bulked Materials Excavation Staged Drums
Name Sikes Disposal Pits +* **City** Crosby **State** TX **NPL** Y **Cost** $7,145 **Start** 05/24/89 **Completion** 07/31/89	Inactive Production Facility Flooding had previously caused extensive damage to fences and retaining dikes. This subsequent removal action consisted of improving upon actions taken from 5/24/87 to 6/5/89.	Volatile Organics Non-Volatile Organics	Direct Contact Drinking Water Contamination Groundwater Contamination Soil Contamination Surface Water Contamination Ecological Damage	Site Security Excavation

+ A removal action was previously completed at this site. Cost is cumulative for this action and price completion(s).

* This site is a Classic Emergency removal action.

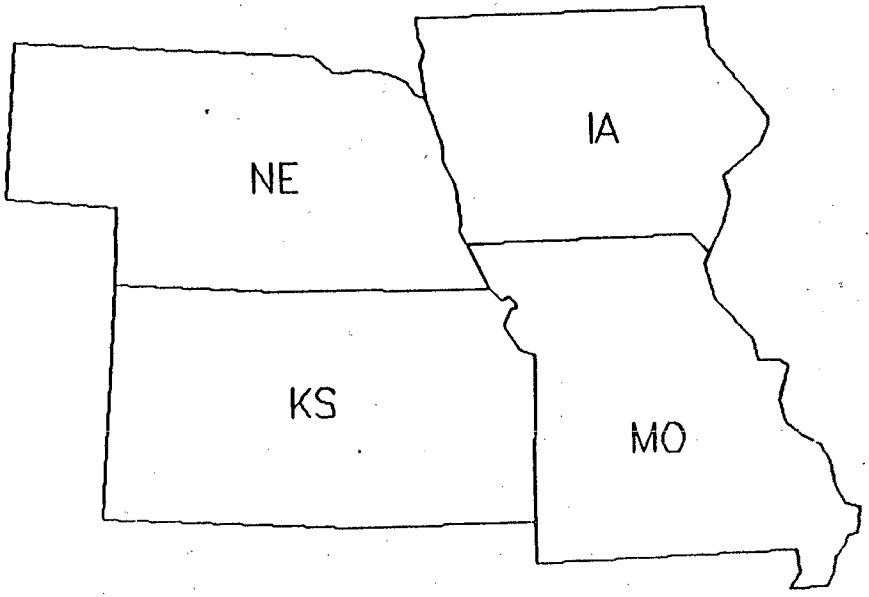
SUPERFUND EMERGENCY RESPONSE ACTIONS

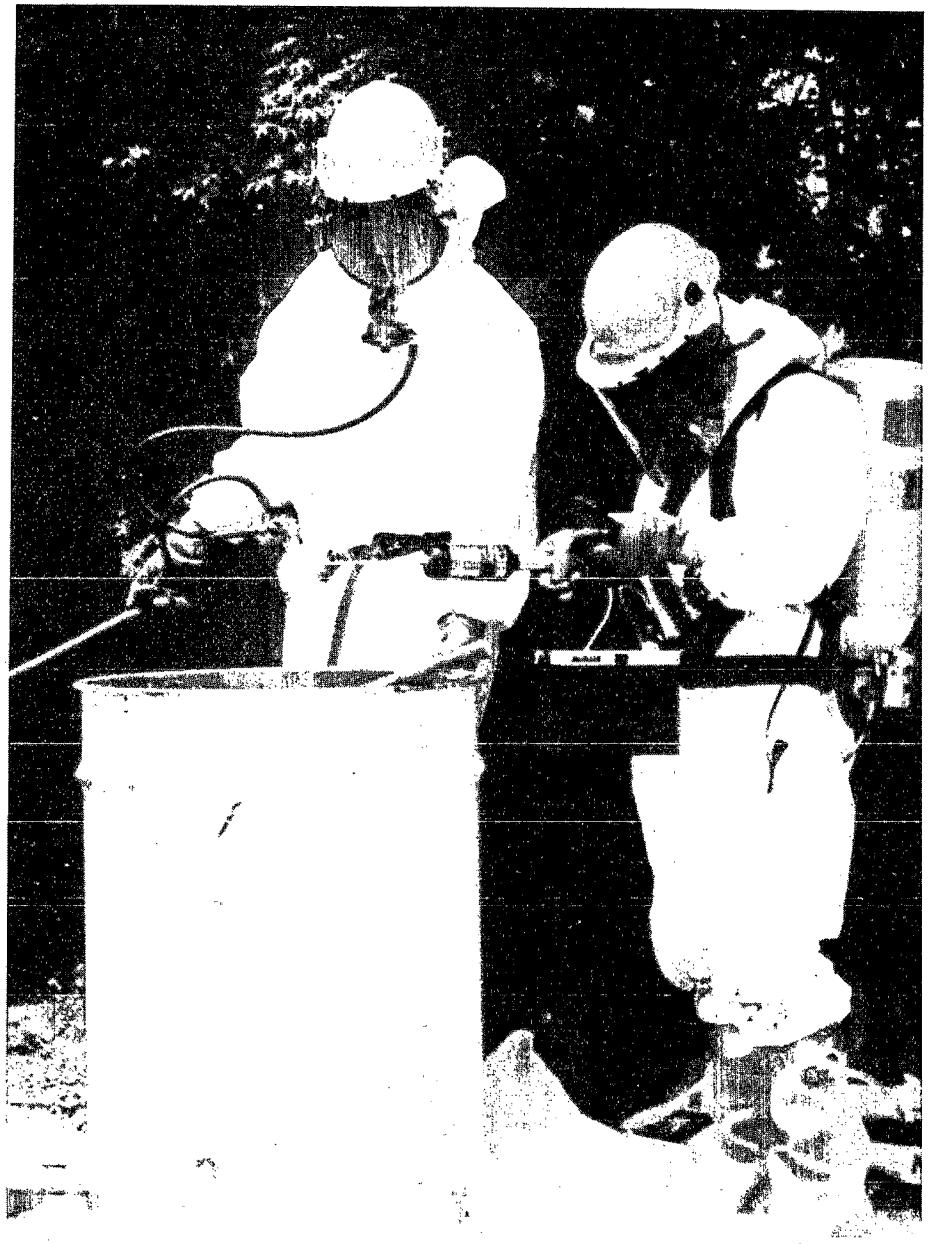
Site Information	Incident Category/Description	Primary Contaminants	Threat(s)	Mitigative Action(s)
Name Texarkana Wood Preserving Co. +* **City** Texarkana **State** TX **NPL** Y **Cost** $20,591 **Start** 12/08/88 **Completion** 08/08/89	Inactive Production Facility A wood treating facility contained contaminated lagoons, evaporation ponds, and soil.	Volatile Organics Non-Volatile Organics	Direct Contact Drinking Water Contamination Groundwater Contamination Surface Water Contamination Soil Contamination Ecological Damage	Pumped Contaminants Disposal Migration Control
Name U.S. Customs - Millington Addition **City** Presidio **State** TX **NPL** N **Cost** $65,605 **Start** 08/17/88 **Completion** 10/03/88	Other An abandoned airstrip used for aerial pesticide application was odorous, and contained drums of contaminants. Soil around the airstrip was discolored.	Arsenic Metals Pesticides	Direct Contact Goundwater Contamination Soil Contamination Surface Water Contamination	Disposal Site Restoration

+ A removal action was previously completed at this site. Cost is cumulative for this action and price completion(s).

* This site is a Classic Emergency removal action.

U.S. EPA REGION 7





For Information Contact:

Chief, Emergency Planning and Response Branch, Environmental Services Division
25 Funston Road
Kansas City, KS 66115
(913) 236-3888

REGION 7 FY 1989 REMOVAL COMPLETIONS

STATE	SITE NAME	CITY	NPL STATUS	CLASSIC EMERGENCY*
KS	Leavenworth Road Explosives	Kansas City	N	X
	Robinson Drum Site	Robinson	N	
	Yoder VOCs	Yoder	N	
MO	Access Road to Old Highway 141	Jefferson County	N	
	Bubbling Springs Arena	Fenton	N	
	Pollock Site +	Kansas City	N	
	Saddle & Spur Arena	High Ridge	N	
	Timberline Stables +	New Bloomfield	N	
	Walls Residence Subsite (Piazza Rd.)	St. James	N	
NE	Fremont Trizone Cylinder	Fremont	N	X
	Nebraska Army Ordnance Plant +	Mead	Y	
	Park Mobile Home Groundwater Cont.	Norfolk	N	

TOTALS FOR REGION 7
Number of Removal Completions..... 12
NPL Sites..... 1
Classic Emergency Sites..... 2

Total Cost for FY 89: $6,827,500

+ A removal action was previously completed at this site.

* Classic Emergencies are those actions where the release requires that on-site activities be initiated within hours of the lead agency's determination that a removal action is appropriate.

SUPERFUND EMERGENCY RESPONSE ACTIONS

Site Information	Incident Category/Description	Primary Contaminants	Threat(s)	Mitigative Action(s)
Name Leavenworth Road Explosives * **City** Kansas City **State** KS **NPL** N **Cost** $38,226 **Start** 12/07/88 **Completion** 12/09/88	Transportation Related The site consisted of a truck loaded with shock-sensitive ammonium perchlorate. The drums were in poor condition and shipped with incompatible materials. All drums were overpacked for transportation to disposal.	Inorganic Waste	Fire/Explosion Hazard	Disposal AT: Thermal Destruction
Name Robinson Drum Site **City** Robinson **State** KS **NPL** N **Cost** $798 **Start** 09/09/88 **Completion** 10/03/88	Midnight Dump The site involved the midnight dumping of 3 30-gallon drums in deteriorating condition, containing flammable wastes. The drums were dumped in an open field, 1/8 mile from the closest residence, and ultimately picked up for disposal.	Volatile Organics	Soil Contamination Fire/Explosion	Sampling/Analysis Overpacked Drums Disposal
Name Yoder VOCs **City** Yoder **State** KS **NPL** N **Cost** $384,773 **Start** 11/16/87 **Completion** 04/30/89	Other A drinking water source for 150 people was contaminated as a result of suspected spills of carbon tetrachloride (used as a grain fumigant) and potential past UST releases.	Volatile Organics	Direct Contact Drinking Water Contamination	Alternate Water Supply
Name Access Road to Old Highway 141 **City** Jefferson County **State** MO **NPL** N **Cost** $88,066 **Start** 09/23/88 **Completion** 07/29/89	Inactive Waste Management Facility The access road was oiled in the early 1970s with TCDD contaminated waste oil. Soil with documented levels of contamination as high as 200 ppb, was excavated and stored on site.	Dioxin Wastes Oils	Direct Contact Soil Contamination Surface Water Contamination Groundwater Contamination Drinking Water Contamination Air Contamination	Sampling/Analysis Site Security Site Restoration

* This site is a Classic Emergency removal action.

SUPERFUND EMERGENCY RESPONSE ACTIONS

Site Information	Incident Category/Description	Primary Contaminants	Threat(s)	Mitigative Action(s)
Name Bubbling Springs Arena **City** Fenton **State** MO **NPL** N **Cost** $820,195 **Start** 07/18/88 **Completion** 01/25/89	Other The arena was sprayed with dioxin (TCDD) contaminated waste oil in 1971 for dust suppression. Animal and vehicular traffic and erosion has moved contamination from the arena. Contaminated soil was excavated to meet residential area standards. The soil was bagged and stored in an on-site building awaiting disposal.	Dioxin Waste Oil	Direct Contact Soil Contamination Air Contamination Groundwater Contamination Surface Water Contamination	Excavation Temporary Storage
Name Pollock Site + **City** Kansas City **State** MO **NPL** N **Cost** $325,333 **Start** 03/28/88 **Completion** 05/04/89	Inactive Waste Management Facility A variety of chemicals and hazardous materials accumulated on the site during the operations of several enterprises from the 1930s. The current owner tried to illegally dispose of the chemicals. Over 200 tons of solid waste and 2,000 gallons of liquid waste were disposed.	Volatile Organics Metals Acids Solvents Asbestos	Direct Contact Fire/Explosion Hazard Surface Water Contamination	Overpacked Drums Excavation Organized Materials Bulked Materials Disposal AT: Recycling Thermal Destruction
Name Saddle & Spur Arena **City** High Ridge **State** MO **NPL** N **Cost** $631,415 **Start** 08/22/88 **Completion** 08/15/89	Other The arena was oiled with dioxin (TCDD) contaminated waste oil in 1971 or 1972. About 2,550 cubic yards of contaminated soil was excavated and is in storage awaiting disposal.	Dioxin Waste Oil	Air Contamination Direct Contact Soil Contamination Surface Water Contamination	Cleared Debris and Brush Excavation Bulked Materials Constructed Storage Facility Site Restoration
Name Timberline Stables + **City** New Bloomfield **State** MO **NPL** N **Cost** $941,920 **Start** 04/16/88 **Completion** 11/03/88	Other The arena was sprayed with dioxin-contaminated waste oil for dust control. Soil exceeding an average concentration of 1 ppb was excavated and stored.	Dioxin Waste Oil	Direct Contact Drinking Water Contamination Soil Contamination Surface Water Contamination	Sampling/Analysis Excavation Decontaminated Structures Overpacked Drums Site Restoration Temporary Storage

+ A removal action was previously completed at this site. Cost is cumulative for this action and price completion(s).

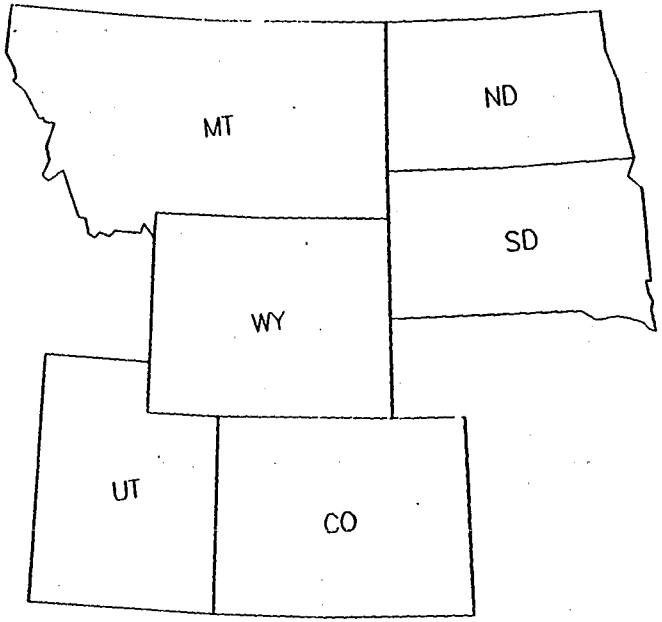
SUPERFUND EMERGENCY RESPONSE ACTIONS

Site Information	Incident Category/Description	Primary Contaminants	Threat(s)	Mitigative Action(s)
Name Walls Residence Subsite (Piazza Rd.) **City** St. James **State** MO **NPL** N **Cost** $3,404,145 **Start** 08/24/88 **Completion** 07/02/89	Other This site was coated with TCDD-contaminated oil in 1971. Soil and stream sediments were excavated and stored in an on-site storage facility.	Dioxin	Direct Contact Soil Contamination Air Contamination Surface Water Contamination	Sampling/Analysis
Name Fremont Trizone Cylinder * **City** Fremont **State** NE **NPL** N **Cost** $13,386 **Start** 03/08/89 **Completion** 06/12/89	Other A 22-pound fumigant cylinder was abandoned in 1966. One of the chemical components was a shock-sensitive explosive.	Volatile Organics	Fire/Explosion Hazard Air Contamination Direct Contact	Detonation
Name Nebraska Army Ordnance Plant + **City** Mead **State** NE **NPL** Y **Cost** $300 **Start** 02/21/89 **Completion** 08/22/89	Other The plant was formerly owned by DOD. The principal operation was to assemble bombs. In the 1960s, approximately 9,000 acres were transferred to the UNE. The site is the suspected source of TCE contamination of a private well. The Army Corps of Engineers provided bottled water until funding for an alternative water source was obtained.	Volatile Organics Solvents	Drinking Water Contamination Groundwater Contamination	Provided Bottled Water
Name Park Mobile Home Groundwater Cont. **City** Norfolk **State** NE **NPL** N **Cost** $178,943 **Start** 02/01/88 **Completion** 09/06/89	Other Two drinking water wells which serve 340 people were contaminated with carbon tetrachloride and various volatile organic compounds. The PRPs signed a consent order that stipulated that they supply drinking water to the residents.	Volatile Organics	Direct Contact Drinking Water Contamination	Installed Carbon Filters AT: Physical

+ A removal action was previously completed at this site. Cost is cumulative for this action and price completion(s).

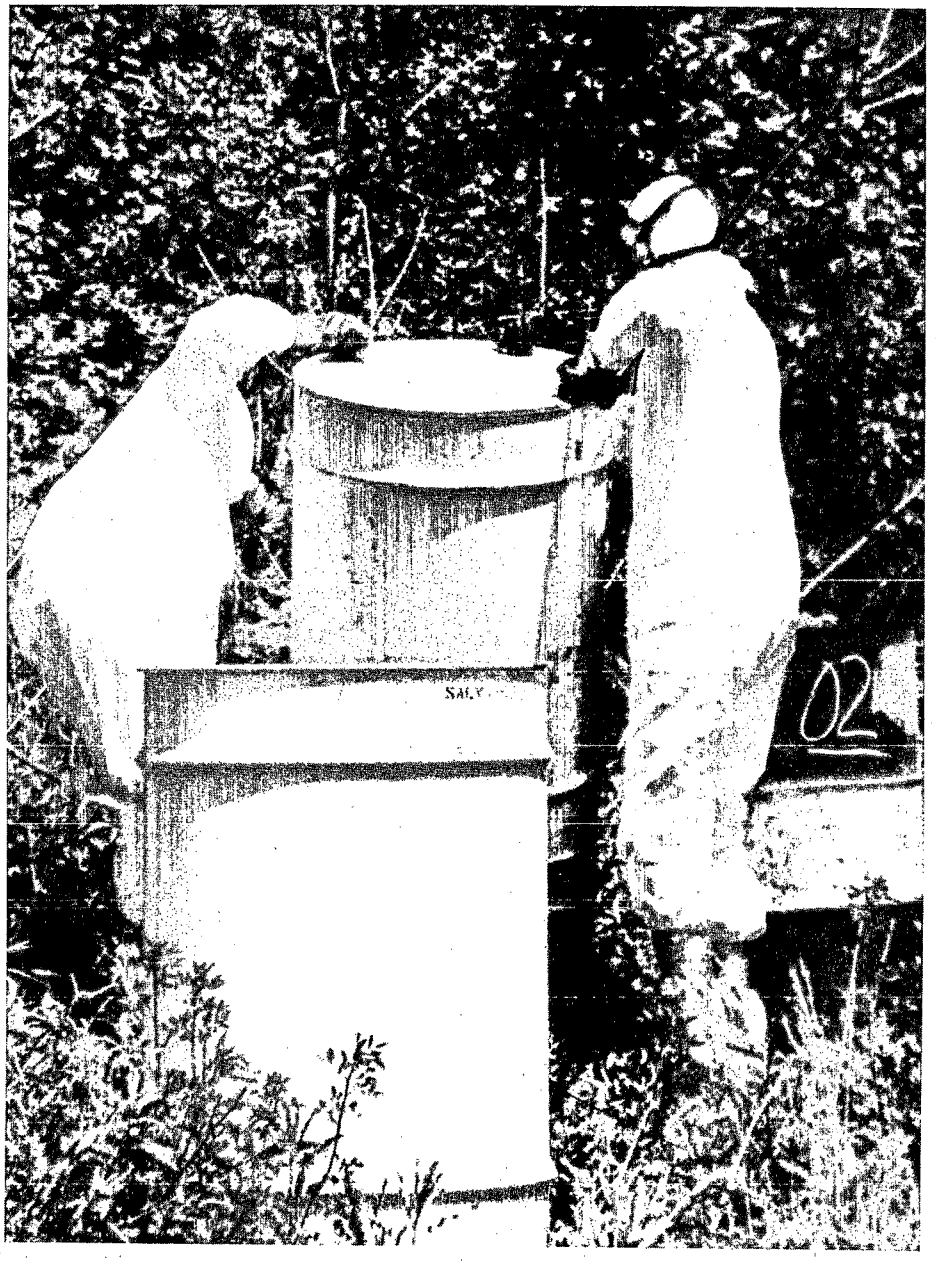
* This site is a Classic Emergency removal action.

U.S. EPA REGION 8



For Information Contact:

Chief, Emergency Response Branch, Hazardous Waste Management Division
One Denver Place
999 18th Street, Suite 500
Denver, CO 80202-2405
(303) 293-1723



REGION 8 FY 1989 REMOVAL COMPLETIONS

STATE	SITE NAME	CITY	NPL STATUS	CLASSIC EMERGENCY*
CO	Brighton Drum	Brighton	N	X
	Central City-Clear Creek +	Idaho Springs, Central City	Y	
	Denver Radium Site	Denver	Y	X
	Loveland Fireworks	Loveland	N	X
	Ordway Drum	Ordway	N	
	Sand Creek Industrial +	Commerce City	Y	X
MT	Montana Pole and Treating	Butte	Y	X
ND	Arsenic Trioxide Site +	Lidgerwood	Y	
SD	Cheyenne River Sioux Resvn. Drums	Eagle Butte	N	
	Lone Man Pesticides	Pine Ridge	N	
	Porcupine Bait	Porcupine	N	
	Red Shirt Table Elem. School	Red Shirt Table	N	X
	Tri-State Ref. "C" Mint	Sioux Falls	N	X
UT	Livingston Property	West Jordan	N	
	Singley Drums	Bountiful	N	
WY	Mickelson Ranch	Big Piney	N	
	Mystery Bridge at HWY 20	Evansville	Y	X
	Yttrium Processing Plant	Laramie	N	

TOTALS FOR REGION 8
Number of Removal Completions..... 18
NPL Sites..... 6
Classic Emergency Sites..... 8

Total Cost for FY 89: $8,316,853

+ A removal action was previously completed at this site.

* Classic Emergencies are those actions where the release requires that on-site activities be initiated within hours of the lead agency's determination that a removal action is appropriate.

SUPERFUND EMERGENCY RESPONSE ACTIONS

Site Information	Incident Category/Description	Primary Contaminants	Threat(s)	Mitigative Action(s)
Name Brighton Drum * **City** Brighton **State** CO **NPL** N **Cost** $7,000 **Start** 08/26/88 **Completion** 11/21/88	Midnight Dump An overturned, half-full drum was leaking along a highway.	Volatile Organics	Fire/Explosion Hazard Soil Contamination	Sampling/Analysis Excavation Overpacked Drums Disposal
Name Central City-Clear Creek + **City** Idaho Springs, Central City **State** CO **NPL** Y **Cost** $487,500 **Start** 09/30/87 **Completion** 12/09/88	Other Decades of mine drainage resulted in contamination of surface and subsurface areas with heavy metals. Source wells for drinking water were contaminated with cadmium.	Metals	Direct Contact Drinking Water Contamination Surface Water Contamination Groundwater Contamination Ecological Damage	Sampling/Analysis Provided Bottled Water Provided Hookups to Water Main
Name Denver Radium Site * **City** Denver **State** CO **NPL** Y **Cost** $21,000 **Start** 08/22/89 **Completion** 08/30/89	Other The site was found to have high radon gas levels that were caused by mill tailings that had been placed in the area in the early 1900s. The main threat is radioactive exposure to employees who work in the building.	Low-Level Radioactive Waste	Direct Contact Air Contamination	Sampling/Analysis Installed Ventilation System
Name Loveland Fireworks * **City** Loveland **State** CO **NPL** N **Cost** $10,000 **Start** 06/28/89 **Completion** 08/05/89	Active Production Facility A storage warehouse contained several hundred pounds of explosives, fireworks, and the raw materials for the manufacture of finished fireworks, many of which were incompatibly stored. The site was in a light industrial area.	Volatile Organics Metals	Direct Contact Fire/Explosion Hazard	Organized Materials Overpacked Drums Disposal AT: Recycling

+ A removal action was previously completed at this site. Cost is cumulative for this action and price completion(s).

* This site is a Classic Emergency removal action.

SUPERFUND EMERGENCY RESPONSE ACTIONS

Site Information	Incident Category/Description	Primary Contaminants	Threat(s)	Mitigative Action(s)
Name Ordway Drum **City** Ordway **State** CO **NPL** N **Cost** $6,000 **Start** 05/16/89 **Completion** 05/16/89	Midnight Dump A drum containing 20 gallons of hydrofluoric acid was abandoned in a drainage ditch.	Acids	Air Contamination/Inhalation Direct Contact	Solidified Materials AT: Chemical
Name Sand Creek Industrial + * **City** Commerce City **State** CO **NPL** Y **Cost** $151,920 **Start** 03/19/88 **Completion** 07/20/89	Other Road work and earth-moving disturbed abandoned tanks of unknown flammables and pesticides. Soil contamination was suspected.	Volatile Organics Pesticides	Direct Contact Fire/Explosion Hazard Soil Contamination	Site Security Sampling/Analysis Pumped Contaminants Overpacked Drums Disposal AT: Thermal Destruction
Name Montana Pole and Treating * **City** Butte **State** MT **NPL** Y **Cost** $2,482,154 **Start** 07/24/85 **Completion** 10/11/88	Inactive Production Facility The unsecured site contained tanks, uncovered vats, and asbestos-wrapped pipes containing diesel oil and PCP. Oil seeped into Silver Bow Creek and a sheen was visible up to 10 miles downstream.	Non-Volatile Organics Dioxin Asbestos Waste Oil	Direct Contact Drinking Water Contamination Ecological Damage Groundwater Contamination Soil Contamination	Excavation Groundwater Treatment Monitoring AT: Chemical
Name Arsenic Trioxide Site + **City** Lidgerwood **State** ND **NPL** Y **Cost** $226,900 **Start** 10/24/88 **Completion** 06/09/89	Other Arsenic had contaminated a shallow aquifer used for drinking water. The municipal water filtration system broke down, and was taken off line. The city delivered untreated water to the community.	Arsenic	Direct Contact Drinking Water Contamination Groundwater Contamination	Replaced Filter Units Designed New Treatment Plant Provided Test Kits

+ A removal action was previously completed at this site. Cost is cumulative for this action and price completion(s).

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SUPERFUND EMERGENCY RESPONSE ACTIONS

Site Information	Incident Category/Description	Primary Contaminants	Threat(s)	Mitigative Action(s)
Name: Cheyenne River Sioux Resvn. Drums City: Eagle Butte State: SD NPL: N Cost: $110,034 Start: 08/31/87 Completion: 04/05/89	Midnight Dump Abandoned drums on an Indian reservation included oil drums and 21 pesticide drums. Drums were now stored in an unsecured building used by vagrants.	Dioxin Pesticides Waste Oil	Direct Contact Fire/Explosion Hazard Soil Contamination	Sampling/Analysis Overpacked Materials Temporary Storage Disposal AT: Thermal Destruction
Name: Lone Man Pesticides City: Pine Ridge State: SD NPL: N Cost: $24,557 Start: 02/23/88 Completion: 04/04/89	Midnight Dump Twenty-four deteriorating containers of pesticides and herbicides were discovered in an abandoned house. A chicken run, well, marsh, and creek are immediately adjacent to the house. An elementary school is 1/2 mile away.	Pesticides	Direct Contact Groundwater Contamination Soil Contamination	Overpacked Drums Sampling/Analysis AT: Thermal Destruction
Name: Porcupine Bait City: Porcupine State: SD NPL: N Cost: $26,475 Start: 10/11/88 Completion: 10/13/88	Inactive Production Facility Seventy deteriorating drums containing fish bait preserved in a formaldehyde solution were abandoned in a warehouse. Children sometimes played in the warehouse.	Volatile Organics	Air Contamination Direct Contact	Pumped Contaminants Disposal AT: Biological
Name: Red Shirt Table Elem. School * City: Red Shirt Table State: SD NPL: N Cost: $9,200 Start: 10/20/88 Completion: 10/28/88	Other A partially demolished school building, surrounded by 3-foot high fence, presented exposed asbestos. Five classroom trailers were across the street. The area was heavily used by children as a play-area, despite the fence.	Asbestos	Air Contamination Direct Contact Soil Contamination	Site Security Bulked Contaminants Temporary Storage

* This site is a Classic Emergency removal action.

SUPERFUND EMERGENCY RESPONSE ACTIONS

Site Information	Incident Category/Description	Primary Contaminants	Threat(s)	Mitigative Action(s)
Name Tri-State Ref. "C" Mint * **City** Sioux Falls **State** SD **NPL** N **Cost** $984,000 **Start** 04/07/89 **Completion** 08/30/89	Inactive Production Facility Approximately 1,000 gallons of high pH electroplating solution containing cyanide and metals were spilled onto a loading deck area of the warehouse. The site is in an industrial park. The water table in the area is approximately 10 feet below the ground surface.	Cyanide Metals	Direct Contact Groundwater Contamination Soil Contamination Surface Water Contamination	Excavation Collection/Retention Disposal Installed Monitoring Wells Site Restoration
Name Livingston Property **City** West Jordan **State** UT **NPL** N **Cost** $140,800 **Start** 04/28/88 **Completion** 03/13/89	Other Three truck bodies filled with drums and containers of wastes were abandoned in a lot bounded by residential neighborhoods with a school nearby. Children have played nearby.	Volatile Organics Solvents	Direct Contact Fire/Explosion Hazard Soil Contamination	Site Security Sampling/Analysis Organized Materials Overpacked Drums Disposal AT: Thermal Destruction
Name Singley Drums **City** Bountiful **State** UT **NPL** N **Cost** $29,000 **Start** 03/29/89 **Completion** 04/27/89	Other Forty-nine abandoned drums were reportedly transferred from Beck St. Salvage to a commercial storage facility in busy commercial/residential area of Salt Lake City. The drums were leaking and in an unstable condition.	PCBs Solvents Volatile Organics	Direct Contact Fire/Explosion Hazard Soil Contamination	Bulked Materials Overpacked Drums Sampling/Analysis Disposal AT: Thermal Destruction
Name Mickelson Ranch **City** Big Piney **State** WY **NPL** N **Cost** $20,000 **Start** 08/16/88 **Completion** 11/21/88	Other Arsenic-treated grain was stored in an unsecured cabin, and was later consumed by 69 cattle, all of which died. Sample analysis showed that the grain contained 6.6 % arsenic. The site is in the flood plain of Big Piney Creek.	Arsenic	Direct Contact Ecological Damage Soil Contamination Surface Water Contamination	Collection/Retention Disposal

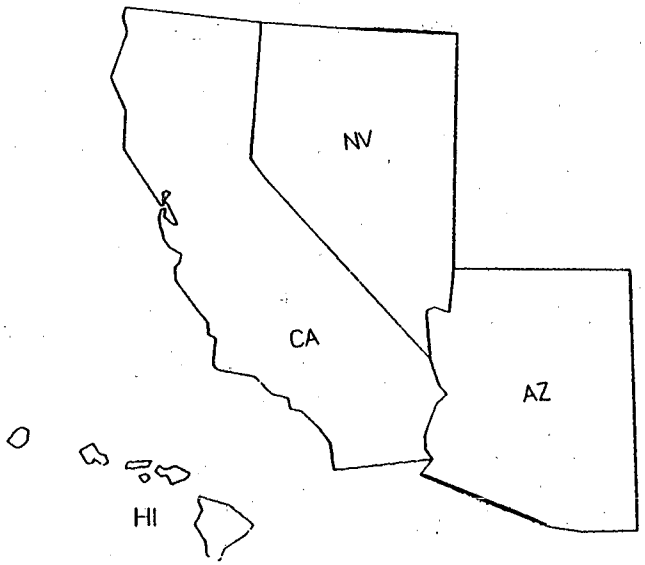
* This site is a Classic Emergency removal action.

SUPERFUND EMERGENCY RESPONSE ACTIONS

Site Information	Incident Category/Description	Primary Contaminants	Threat(s)	Mitigative Action(s)
Name: Mystery Bridge at HWY 20 * City: Evansville State: WY NPL: Y Cost: $3,551,563 Start: 12/15/86 Completion: 12/15/88	Other Ninety of 100 homes in a subdivision were affected by chlorinated hydrocarbon contamination of drinking water wells. The subdivision was adjacent to an oil refinery and other industries.	Volatile Organics	Drinking Water Contamination	Provided Bottled Water Provided Hookups to Water Main Sampling/Analysis Site Restoration
Name: Yttrium Processing Plant City: Laramie State: WY NPL: N Cost: $28,750 Start: 06/08/89 Completion: 08/04/89	Inactive Production Facility The site operated during the 1950s to extract yttrium from ore. While yttrium is not normally radioactive, it is often associated with radium and other radioactive materials. A residential area and children were nearby.	Low-Level Radioactive Wastes	Direct Contact	Excavation Disposal

* This site is a Classic Emergency removal action.

U.S. EPA REGION 9



Also: AS
GU
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For Information Contact:

Chief, Emergency Response Section, Field Operations Branch
Hazardous Waste Management Division
1235 Mission St.
San Francisco, CA 94102
(415) 744-1026

REGION 9 FY 1989 REMOVAL COMPLETIONS

STATE	SITE NAME	CITY	NPL STATUS	CLASSIC EMERGENCY*
AZ	Navajo Pesticides	Red Mesa	N	
	Parker Pesticides	Parker	N	
CA	Avenue A	Rosamond	N	
	Bridges and Sons Trucking +	Rosamond	N	
	Fairchild Semiconductor/Mt. View	Mountain View	Y	
	Iron Mountain Mine	Redding	Y	X
	Murrieta School	Murrieta	N	
	Pacific Intermediates	Saticoy	N	X
	Pratter Drum Site	Bakersfield	N	X
MP	Saipan #1 (PCB)	Saipan	N	
	Saipan #2 Pesticide Site A	Saipan	N	

TOTALS FOR REGION 9
Number of Removal Completions..... 11
NPL Sites..... 2
Classic Emergency Sites..... 3

Total Cost for FY 89: $2,511,694

+ A removal action was previously completed at this site.

* Classic Emergencies are those actions where the release requires that on-site activities be initiated within hours of the lead agency's determination that a removal action is appropriate.

SUPERFUND EMERGENCY RESPONSE ACTIONS

Site Information	Incident Category/Description	Primary Contaminants	Threat(s)	Mitigative Action(s)
Name Navajo Pesticides **City** Red Mesa **State** AZ **NPL** N **Cost** $15,838 **Start** 10/25/88 **Completion** 11/02/88	Midnight Dump Pesticides were abandoned in a mine. The Navajo Nation requested a hazard recognition class for 32 tribal employees. The OSC provided 17 hours of training. The Navajo Nation assisted EPA with the cleanup of this site.	Pesticides	Soil Contamination Direct Contact Ecological Damage	Overpacked Materials Disposal AT: Thermal Destruction
Name Parker Pesticides **City** Parker **State** AZ **NPL** N **Cost** $444,413 **Start** 10/05/88 **Completion** 01/05/89	Other Numerous pesticides were abandoned in a dilapidated warehouse on Indian Reservation land. Widespread surface soil contamination was present.	Pesticides	Direct Contact Soil Contamination	Overpacked Drums Excavation Disposal AT: Thermal Destruction
Name Avenue A **City** Rosamond **State** CA **NPL** N **Cost** $55,000 **Start** 10/25/88 **Completion** 02/01/89	Inactive Production Facility Indiscriminate dumping of ash and slag residue from past burning operations of a waste processing business (inactive at the time of the removal) resulted in the release of hazardous substances.	Metals Dioxin	Direct Contact	Site Security
Name Bridges and Sons Trucking + **City** Rosamond **State** CA **NPL** N **Cost** $57,600 **Start** 09/11/89 **Completion** 09/13/89	Inactive Waste Management Facility The site was a former chemical leach operation that involved precious metals extraction from ore and other sources. The site contained approximately 500 drums of assorted contaminants.	Metals Arsenic Cyanides	Air Contamination Direct Contact Soil Contaminaiton	Site Security Solidified Materials Capping AT: Chemical

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SUPERFUND EMERGENCY RESPONSE ACTIONS

Site Information	Incident Category/Description	Primary Contaminants	Threat(s)	Mitigative Action(s)
Name Fairchild Semiconductor/Mt. View **City** Mountain View **State** CA **NPL** Y **Cost** $188,433 **Start** 02/13/89 **Completion** 05/05/89	Other This site involved a manufacturer of semi-conductors. Monitoring wells on site revealed groundwater contamination that was probably caused by leaking underground storage tanks. This contamination was upgradient from two agricultural wells.	Volatile Organics	Groundwater Contamination	Sealed Wells
Name Iron Mountain Mine * **City** Redding **State** CA **NPL** Y **Cost** $650,000 **Start** 09/07/88 **Completion** 03/03/89	Inactive Production Facility High concentrations of acid mine drainage in a reservoir, in conjunction with drought conditions, presented the potential of reservoir discharge that would be extremely detrimental to salmon and downstream water supplies. Sludge was pumped in a slurry form into a sludge pit.	Acids Metals	Surface Water Contamination Drinking Water Contamination Ecological Damage	AT: Chemical
Name Murrieta School **City** Murrieta **State** CA **NPL** N **Cost** $107,060 **Start** 08/31/88 **Completion** 01/06/89	Inactive Production Facility A small private school operating for seven years prior to the removal was built on the site of a battery manufacturing shop that operated from 1955 to 1960. High levels of lead were discovered in soil samples taken from the playground and surrounding areas.	Metals	Air Contamination Direct Contact Threat Soil Contamination	Capping Treatment
Name Pacific Intermediates * **City** Saticoy **State** CA **NPL** N **Cost** $290,000 **Start** 04/12/89 **Completion** 07/06/89	Active Production Facility This site involved a manufacturer of specialty chemicals that had a history of regulatory problems since 11/87. A fire occurred on site that burned for 11 hours due to the presence of water reactive chemicals. The fire caused chemical containers to rupture, releasing their contents in the building.	Metals Acids	Direct Contact Fire/Explosion Hazard	Solidified Materials Capping Disposal AT: Chemical Thermal Destruction

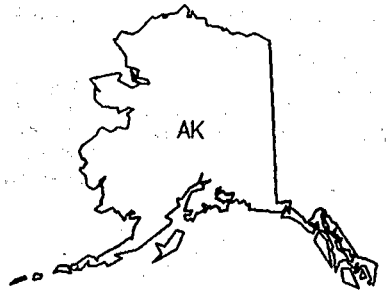
* This site is a Classic Emergency removal action.

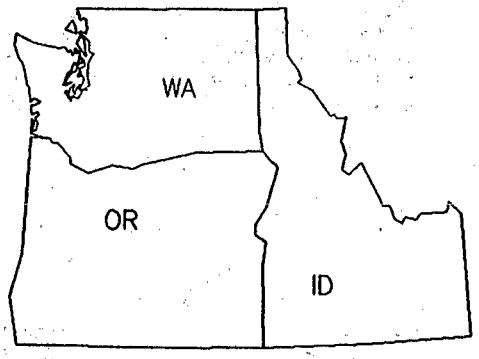
SUPERFUND EMERGENCY RESPONSE ACTIONS

Site Information	Incident Category/Description	Primary Contaminants	Threat(s)	Mitigative Action(s)
Name Pratter Drum Site * **City** Bakersfield **State** CA **NPL** N **Cost** $450,000 **Start** 05/05/89 **Completion** 05/16/89	Other Approximately 270 drums of hazardous wastes were found close to local residences. Repacked wastes were stored temporarily in a polebarn.	Non-Volatile Organics Volatile Organics Acids Bases	Air Contamination Direct Contact Soil Contamination Fire/Explosion Hazard	Solidified Materials Overpacked Drums Capping Disposal AT: Chemical Thermal Destruction
Name Saipan #1 (PCB) **City** Saipan **State** MP **NPL** N **Cost** $197,200 **Start** 09/19/88 **Completion** 10/01/88	Other Damaged PCB-contaminated transformers were stored haphazardly in a yard operated by the Dept. of Public Works. Heavy oil staining was present. Site drainage led to the Philipine Sea. The site was secured.	PCBs Waste Oil	Direct Contact Soil Contamination	Excavation Bulked Materials Disposal
Name Saipan #2 Pesticide Site A **City** Saipan **State** MP **NPL** N **Cost** $56,150 **Start** 09/19/88 **Completion** 10/01/88	Inactive Production Facility Pesticides stored in a metal shed for 10 years might have released into the environment because containers were deteriorating. The majority of the chemicals were stored in a pile on a neoprene tarp.	Pesticides Wetable Sulfur	Air Contamination Direct Contact Soil Contamination	Overpacked Drums Disposal

* This site is a Classic Emergency removal action.

U.S. EPA REGION 10





For Information Contact:

Chief, Superfund Response and Investigations Section, Hazardous Waste Division
1200 Sixth Avenue
Seattle, WA 98101
(206) 442-1196

SUPERFUND EMERGENCY RESPONSE ACTIONS

Site Information	Incident Category/Description	Primary Contaminants	Threat(s)	Mitigative Action(s)
Name Alaska Battery Enterprises **City** Fairbanks **State** AK **NPL** Y **Cost** $1,600,000 **Start** 08/22/88 **Completion** 08/22/89	Active Production Facility Years of battery manufacturing and recycling resulted in high levels of lead contamination in the soils at this facility.	Metals	Direct Contact Groundwater Contamination Drinking Water Contamination	Sampling/Analysis Excavation Site Security Collection/Retention Site Restoration
Name Bunker Hill Mng. & Metallurgical **City** Kellogg **State** ID **NPL** Y **Cost** $500,000 **Start** 06/05/89 **Completion** 09/24/89	Active Production Facility Approximately 5,000 residents were potentially subject to contamination in the water, soil, and air of this inactive site. Over the past 100 years, the sources of contamination in this area were related to mining and smelting operations of lead and zinc ore. The residential areas have shown high levels of lead in soils. A significant number of children were found to have high levels of lead in their blood.	Metals Arsenic	Direct Contact Drinking Water Contamination Soil Contamination Groundwater Contamination Surface Water Contamination Air Contamination	Excavation Capping Migration Control Site Restoration Sampling/Analysis Site Security
Name Martin Electric **City** Lake Oswego **State** OR **NPL** N **Cost** $500,000 **Start** 03/27/89 **Completion** 04/30/89	Active Production Facility Soil on the site was contaminated with PCBs. The company had been involved in purchasing and reselling electric transformers.	PCBs Waste Oil	Direct Contact Drinking Water Contamination Soil Contamination	Site Security Sampling/Analysis Excavation Capping Site Restoration Disposal
Name Spokane Junk Yard * **City** Spokane **State** WA **NPL** N **Cost** $2,141,500 **Start** 07/20/87 **Completion** 08/26/89	Inactive Production Facility The site was a facility storing military flammables and transformer oil. The facility caught fire and adjacent properties were contaminated.	Metals PCBs Asbestos Waste Oil	Direct Contact Soil Contamination Surface Water Contamination Groundwater Contamination	Organized Materials Sampling/Analysis Site Security Overpacked Drums Excavation Capping Collection/Retention Site Restoration Disposal

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INDEX OF COMPLETED REMOVAL ACTIONS
SINCE THE BEGINNING OF SUPERFUND THROUGH FY 88 (1/1/80 - 9/30/88)

STATE	REGION	SITE NAME	CITY	NPL STATUS	ANNUAL REPORT *
AK	10	ALASKA HUSKEY BATTERY	ANCHORAGE	N	3
		BENDLES ROAD OILING CO.	CHUGIAK	N	1
		OHLSON MOUNTAIN PCB	HOMER	N	1
		STANDARD STEEL	ANCHORAGE	N	3
AL	4	CALLAHAN DRUM	PRATTVILLE	N	1
		CHURCH OF GOD PROPERTY	MOODY	N	1
		FMHA-USDA/ROY SITE	PINE LEVEL	N	3
		GARNER ROAD DRUM DUMP	CORDOVA	N	3
		INGRAM PROPERTY	MORGAN COUNTY	N	2
		MCALLISTER DRUM SITE	ASHVILLE	N	1
		MCALLISTER DRUM SITE+	ASHVILLE	N	1
		MOWBRAY ENGINEERING CO.	GREENVILLE	Y	1
		MOWBRAY ENGINEERING CO.+	GREENVILLE	Y	2
		NEWFOUND ROAD	MT. OLIVE	N	1
		PETRO CHEMICAL	ATHENS	N	1
		TURKEY CREEK BARREL DUMP	BIRMINGHAM	N	2
		WELCO INC. DUMPSITES	PAINT ROCK	N	2
AR	6	ALLEN TRANSFORMER	FORT SMITH	N	2
		BATESVILLE LANDFILL FIRE	BATESVILLE	N	2
		GREENS PCB DRUMS	OZARK	N	2
		MOUNTAIN PINE PRESSURE TREATER	PLAINVIEW	N	3
		OLD HENLEY	NORPHLET	N	3
AS	9	A. S. POWER PLANT	AMERICAN SAMOA	N	1
		SATALA POWER PLANT	AMERICAN SAMOA	N	1
		TAFUNA POWER PLANT #1	AMERICAN SAMOA	N	1
		TAFUNA POWER PLANT #2	AMERICAN SAMOA	N	1
		TAPUTIMU FARM	ISLAND TUTUILA	N	1

\+ A removal action was previously completed at this site.

* Annual Report:
1 - covers removal actions completed from 1/1/80 to 9/30/86
2 - covers removal actions completed from 10/01/86 to 9/30/87 (FY 87)
3 - covers removal actions completed from 10/01/87 to 9/30/88 (FY 88)

INDEX OF COMPLETED REMOVAL ACTIONS
SINCE THE BEGINNING OF SUPERFUND THROUGH FY 88 (1/1/80 - 9/30/88)

STATE	REGION	SITE NAME	CITY	NPL STATUS	ANNUAL REPORT *
AZ	9	DELA-TEK	COOLIDGE	N	2
		GILA RESERVATION DRUM DUMP	MARICOPA	N	3
		GILA RIVER INDIAN RESERVATION	MARICOPA CO.	N	1
		STANDFORD SITE #1	YUMA	N	3
		STANDFORD SITE #2	YUMA	N	3
		THE CHROME SHOP	TUCSON	N	1
		TUBA CITY ACID TANK	COPPER MINE	N	1
CA	9	ABANDONED DRUM	CARLSBAD	N	1
		ABANDONED DRUM	ANTIOCH	N	1
		ABCO METAL FINISHING	MONROVIA	N	3
		AERO QUALITY PLATING CO.	OAKLAND	N	2
		ANGELES NATIONAL FOREST	PASADENA	N	1
		BLOOMFIELD AVENUE	SANTA FE SPRINGS	N	1
		BROWN'S FIELD SITE	CHULA VISTA	N	1
		BUILDERS HARDWARE FINISHING	LOS ANGELES	N	3
		CALIFORNIA BIONUCLEAR	SUN VALLEY	N	2
		CHEROKEE TRUCKING	LOS ANGELES	N	1
		COPPEROPOLIS SITE	COPPEROPOLIS	N	1
		CREATIVE DYNAMICS	SAN DIEGO	N	2
		CRYSTAL COVE BEACH	LONG BEACH	N	1
		DEL NORTE PESTICIDE	CRESENT CITY	Y	3
		DIXCO CHEMICAL SALES	ANAHEIM	N	1
		DRAINAGE DITCH	MOUNTAIN VIEW	N	1
		E.C. KRAMER	ANAHEIM	N	2
		EL MONTE SITE	EL MONTE	N	1
		FLOATING DRUM	LOS ANGELES	N	1
		GARDEN VALLEY SITE	EL DORADO CO.	N	2
		GARVEY AVENUE SITE	BALDWIN PARK	N	2

+ A removal action was previously completed at this site.

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INDEX OF COMPLETED REMOVAL ACTIONS
SINCE THE BEGINNING OF SUPERFUND THROUGH FY 88 (1/1/80 - 9/30/88)

STATE	REGION	SITE NAME	CITY	NPL STATUS	ANNUAL REPORT *
CA	9	GENERAL DISPOSAL	SANTA FE SPRINGS	N	1
		INDUSTRIAL WASTE PROCESSING	FRESNO	N	3
		L. FRICKER CO.	ANAHEIM	N	1
		LAGUNA BEACH II	LAGUNA BEACH	N	1
		LONG BEACH DRUM	LONG BEACH	N	1
		LORENTZ BARREL & DRUM	SAN JOSE	Y	3
		MCCOLL	FULLERTON	Y	1
		MCCOLL+	FULLERTON	Y	3
		MCKINNON STREET	SAN FRANCISCO	N	3
		MYSTERY DUMP	SACRAMENTO	N	1
		N. TULIP ST.- ESCONDIDO	ESCONDIDO	N	1
		NICKEL SOLUTION RECYCLING	LOS ANGELES	N	1
		NORWALK DRUM SITE	NORWALK	N	1
		OPERATING INDUSTRIES	MONTEREY PARK	Y	2
		PARKSIDE DRIVE	MECCA	N	1
		PURITY OIL	MALAGA	Y	1
		PURITY OIL+	MALAGA	Y	3
		RIGEL STREET SITE	SAN DIEGO	N	2
		RIVERSIDE PESTICIDE	RIVERSIDE	N	1
		ROIC-SUN VALLEY	SUN VALLEY	N	1
		RYAN PAINTS	OAKLAND	N	3
		SACRAMENTO RIVER	SACRAMENTO	N	1
		SOUTH BAY ASBESTOS AREA	ALVISO	Y	1
		SOUTH BAY ASBESTOS AREA+	ALVISO	Y	2
		SOUTH HALF MOON BAY	SAN MATEO	N	1
		STANDARD CHEMICAL	HUNTINGTON	N	1
		STRINGFELLOW ACID PITS	GLEN AVON HEIGHTS	Y	1
		STRINGFELLOW ACID PITS+	GLEN AVON HEIGHTS	Y	1
		STRINGFELLOW ACID PITS+	GLEN AVON HEIGHTS	Y	1
		STRINGFELLOW ACID PITS+	GLEN AVON HEIGHTS	Y	1

\+ A removal action was previously completed at this site.

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INDEX OF COMPLETED REMOVAL ACTIONS
SINCE THE BEGINNING OF SUPERFUND THROUGH FY 88 (1/1/80 - 9/30/88)

STATE	REGION	SITE NAME	CITY	NPL STATUS	ANNUAL REPORT *
CA	9	TECATE SITE	TECATE	N	1
		UNKNOWN CHEMICAL DRUMS	LAGUNA BEACH	N	1
		WASTE DISPOSAL INC.	LOS ANGELES	Y	3
		WESTERN STATES REFINING	FONTANO	N	1
		WHITTIER-PROPEL	WHITTIER	N	3
		YUCAIPA DRUG LAB	YUCPA	N	1
CO	8	CALIFORNIA GULCH	LEADVILLE	Y	1
		CAMAX SITE	ADAMS CITY	N	2
		CAPT. JACK MILL	WARD	N	3
		CLEAR CREEK/CENTRAL CITY NPL	IDAHO SPRINGS	Y	2
		DENVER RADIUM SITE-B&C METALS	DENVER	Y	1
		EAGLE MINE	MINTURN/RADCLIFF	Y	1
		ENGLEWOOD DDT	ENGLEWOOD	N	3
		FARMERS IRRIGATION DITCH	BROOMFIELD	N	3
		FREJONLEY MINE	ROUTT COUNTY	N	1
		GENE MURREN	ERIE COUNTY	N	1
		GRAFF DRUMS	FT. MORGAN	N	3
		HEROLD SITE (BLACK HAWK)	BLACK HAWK	N	2
		HIGH QUALITY CIRCUITS	COLORADO SPRINGS	N	3
		MULE CREEK DRUMS	ADAMS COUNTY	N	3
		PDC SPAS	JEFFERSON COUNTY	N	1
		RIVERSIDE CEMETERY	COMMERCE CITY	N	3
		ROCKY MTN CUSTOM CHROME	COLORADO SPRINGS	N	3
		S. ADAMS CO. WATER DISTRICT	DENVER	N	3
		WOODBURY CHEMICAL CO.	COMMERCE CITY	Y	1
CT	1	BOURDEAUDHUI	WELLINGTON	N	1
		CONNECTICUT RIVER DRUM SITE	ROCKY HILL	N	2
		HOUSATONIC RIVER DRUMS	STRATFORD	N	2

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INDEX OF COMPLETED REMOVAL ACTIONS
SINCE THE BEGINNING OF SUPERFUND THROUGH FY 88 (1/1/80 - 9/30/88)

STATE	REGION	SITE NAME	CITY	NPL STATUS	ANNUAL REPORT *
CT	1	KAPINOS SITE	WELLINGTON	N	1
		LINEMASTER SWITCH CORP.	WOODSTOCK	N	2
		O'SULLIVANS ISLAND	DERBY	N	1
		O'SULLIVANS ISLAND+	DERBY	N	1
		ROLFITE CANAL ST SITE	SHELTON	N	3
		RYE STREET PESTICIDE SITE	EAST WINDSOR	N	1
DE	3	ARMY CREEK LANDFILL	NEW CASTLE COUNTY	Y	1
		ATLANTIC AVE. DRUM SITE	ELSMERE	N	3
		DELAWARE BAY DRUM	CAMDEN	N	3
		DELAWARE RIVER II	AUGUSTINE BEACH	N	2
		DELAWARE SAND & GRAVEL LANDFILL	NEW CASTLE COUNTY	Y	1
		DOVER AFB	DOVER	Y	1
		HARVEY & KNOTT DRUM, INC.	KIRKWOOD	Y	1
		INDIAN RIVER	INDIAN RIVER	N	2
		NEW CASTLE CONTAINERS	NEW CASTLE	N	1
		SEALAND LTD	MT. PLEASANT	N	1
		TYBOUTS CORNER LANDFILL	NEW CASTLE COUNTY	Y	1
		TYBOUTS CORNER LANDFILL+	NEW CASTLE COUNTY	Y	2
FL	4	ABANDONED DRUM	FORT PIERCE	N	1
		ABANDONED DRUM/HILLSBOROUGH	TAMPA	N	1
		ABANDONED DRUM/HILLSBOROUGH	TAMPA	N	1
		ABANDONED DRUM/MARATHON	MARATHON KEY	N	1
		AMERICAN CREOSOTE/PENSACOLA	PENSACOLA	Y	1
		AMERICAN CREOSOTE/PENSACOLA+	PENSACOLA	Y	1
		AMERICAN CREOSOTE/PENSACOLA+	PENSACOLA	Y	1
		AMERICAN CREOSOTE/PENSACOLA+	PENSACOLA	Y	1
		AMERICAN CREOSOTE/PENSACOLA+	PENSACOLA	Y	1
		BEACHED DRUM	COCOA BEACH	N	1

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FL	4	CITY INDUSTRIES, INC.	ORLANDO	N	1
		COLEMAN-EVANS WOOD PRES CO.	WHITEHOUSE	Y	1
		CREOSOTE TANKS RELEASE	JACKSONVILLE	N	1
		EDMUND'S SALVAGE YARD	CROSS CITY	N	3
		ELLIS ROAD	JACKSONVILLE	N	2
		GENERAL LAMINATES	JASPER COUNTY	N	3
		HIPPS ROAD LANDFILL	DUVAL COUNTY	Y	1
		HOLLINGSWORTH SOLDERLESS SITE	FT. LAUDERDALE	Y	2
		LAKE WORTH INLET	LAKEWORT INLET	N	1
		LUMMIS ISLAND	MIAMI	N	1
		ORI	FT. WALTON BEACH	N	3
		PCB MIDNIGHT DUMP	BALDWIN	N	1
		PEMBROKE PINES	HOLLYWOOD	N	1
		PEPPER STEEL & ALLOYS, INC.	MEDLEY	Y	1
		PERSONS' PROPERTY PCB DRUMS	WEST PALM BEACH	N	2
		PETROLEUM PRODUCTS CORP.	PEMBROKE PARK	Y	1
		PIONEER SAND CO.	WARRINGTON	Y	1
		SAND KEY	BISCAYNE BAY	N	1
		SNAPPER LANE	KEY LARGO	N	1
		ST. JOHN RIVER	JACKSONVILLE	N	1
		TOWER CHEMICAL CO.	CLERMONT	Y	1
		TRI-CITY OIL CONSERVATIONIST	TEMPLE TERRACE	Y	1
		UNKNOWN CHEMICAL DISCHARGE	TAMPA	N	1
		WHITEHOUSE OIL PITS	JACKSONVILLE	Y	1
		WILLIAMS PESTICIDE SITE	AUGUSTA	N	1
		WORTHINGTON SPRING SITE	WORTHINGTON SPRING	N	3
		YELLOW WATER ROAD DUMP	BALDWIN	Y	1
GA	4	BANKS CO. DRUM SITE	ATLANTA	N	3
		BARNES MILL DRUM SITE	MARIETTA	N	2

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GA	4	BARROW CO. DRUM SITE	BARROW COUNTY	N	1
		BERRIEN PRODUCTS	NASHVILLE	N	1
		BUFORD HIGHWAY	DORAVILLE	N	1
		CASCADE ROAD	ATLANTA	N	1
		CATOOSA COUNTY LABPACK	FT. OGLETHORPE	N	1
		COBB COUNTY DRUM	MARIETTA	N	3
		DADE CO. DRUM SITE	TRENTON	N	3
		DAVIS FARM	NICKELSVILLE	N	1
		DICKERSON POST TREATING	HOMERVILLE	N	3
		EASTERN CHEMICAL CO.	LITHONIA	N	1
		FT. OGLETHORPE DRUM	FORTH OGLETHORPE	N	1
		GA HIGHWAY 138	CLAYTON CTY	N	1
		GAIL FOSTER PROPERTY	WADLEY	N	1
		HADAWAY ROAD	KENNESAW	N	1
		HEAD PCB SPILL	JEFFERSON	N	1
		HELTON PROPERTY SITE	DALTON	N	2
		HOLLYWOOD CEMETARY SITE	ATLANTA	N	2
		IVY ROAD (BESSIE RUNNER)	MABLETON	N	1
		JOHNSON PROPERTY SITE	STOCKBRIDGE	N	1
		KENYON STREET DRUM SITE	ATLANTA	N	2
		LAKE KATHY ROAD SPILL	DALTON	N	1
		LINECREST WAY	DECATUR/DEKALB	N	2
		MARIETTA ROAD	ATLANTA	N	1
		MARZONE CHEMICAL CO.	TIFTON	N	1
		MATHIS/SHAVER FARM SITE	LAYFAYETTE	N	3
		MC DONALD FARM SITE	DALTON	N	2
		MERCURY OIL SPILL	MARIETTA	N	3
		NAOMI DRUM SITE	NAOMI	N	2
		NASHVILLE PESTICIDE SITE	NASHVILLE	N	1
		NEWNAN LANDFILL	NEWNAN	N	2

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GA	4	OLD LARAMORE LTD	LEESBURG	N	1
		PAYCO PALLET AND DRUM	ELLENWOOD	N	1
		PEACHTREE MERCURY	NORCROSS	N	3
		PULVERIZING PLANT DRUM SITE	CHAMBLEE	N	2
		ROCK BRIDGE PARK	ROCKBRIDGE	N	1
		ROCK ROAD DRUM SITE	GREENVILLE	N	3
		ROME COAL TAR	ROME	N	1
		ROOSEVELT HIGHWAY SPILL	COLLEGE PARK	N	1
		SALVO PROPERTY	LITHIA SPRINGS	N	1
		SIMPSON ROAD DRUM	ATLANTA	N	1
		SWAINSBORO PRINTWORKS	SWAINSBORO	N	1
		SWAINSBORO PRINTWORKS+	SWAINSBORO	N	1
		SWEETWATER CREEK DRUMS	DOUGLASVILLE	N	2
		U.S. CUSTOMS PESTICIDE	SAVANNAH	N	1
		VILLA RICA-HIGH POINT RD.	DOUGLAS CTY	N	1
		WOODWARD MILL ROAD	BUFORD	N	1
		ZENITH CHEMICAL	DALTON	N	2
HI	9	HAUULA BEACH PARK	HAWAII	N	2
		M/V VICTORIA II KEEHI LAGOON	OHAU	N	1
		PCB TRANSFORMERS	OAHU	N	1
		PIER 35	HONOLULU	N	1
IA	7	AIDEX CORP.	COUNCIL BLUFFS	Y	1
		CURTIS ANIMAL PRODUCTS	CORNING	N	1
		EGINOIRE FERTILIZER	LORIMOR	N	3
		MICHAEL BATTERY	BETTENDORF	N	2
ID	10	ARRCOM (DREXLER ENTERPRISES)	RATHDRUM	Y	1
		ARRCOM (DREXLER ENTERPRISES)+	RATHDRUM	Y	3

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ID	10	BUNKER HILL MINING & METALLURG.	SMELTERVILLE	Y	1
		COMEBACK MINE	PIONEERVILLE	N	1
		COMEBACK MINE+	PIONEERVILLE	N	1
		ELK RIVER MITCHELL SITE	ELK RIVER	N	3
		EMMITT PCB	EMMITT	N	1
		GREENSPEED LAWNCARE	BOISE	N	3
		MUNICIPAL LANDFILL	POCATELLO	N	1
		PACIFIC HIDE & FUR RECYCLING	POCATELLO	Y	1
IL	5	A & F MATERIALS RECLAIMING	GREENUP	Y	1
		A & F MATERIALS RECLAIMING+	GREENUP	Y	1
		A & F MATERIALS RECLAIMING+	GREENUP	Y	1
		A & F MATERIALS RECLAIMING+	GREENUP	Y	1
		A-CHEMICAL	CHICAGO	N	1
		A-CHEMICAL+	CHICAGO	N	2
		ABANDONED DRUM	EAST ST. LOUIS	N	1
		ALBURN INCINERATOR	SOUTHSIDE CHICAGO	N	1
		AUTOCRAT	NEW ATHENS	N	3
		BELVIDERE MUNICIPAL LANDFILL	BELVIDERE	Y	2
		BLUE CYANIDE CHIPS	COOK CTY	N	1
		BYRON/JOHNSON SALVAGE YARD	BYRON	Y	1
		BYRON/JOHNSON SALVAGE YARD+	BYRON	Y	2
		CHEM PAC	CHICAGO	N	3
		CHICAGO DRUM	CHICAGO	N	1
		CYANIDE INCIDENT	CHICAGO	N	1
		DANVILLE PLATING	DANVILLE	N	1
		DEAD CREEK	SAUGET	N	1
		FLOYD HUTTER	WILL COUNTY	N	1
		GEBHART FERTILIZER	LATHAM	N	1
		HIXON PLATING	BUSHNELL	N	1

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IL	5	LASALLE ELECTRIC UTILITIES	LASALLE	Y	1
		LASALLE ELECTRIC UTILITIES+	LASALLE	Y	1
		LASALLE ELECTRIC UTILITIES+	LASALLE	Y	1
		LIQUID DYNAMICS	SOUTHSIDE CHICAGO	N	1
		SORRENTO SITE	SORRENTO	N	1
		STEWART DRUM	CHICAGO	N	1
		U.S. SCRAP	CHICAGO	N	1
IN	5	9TH AVE DUMP	GARY	Y	3
		ABANDONED DRUM	OHIO RIVER	N	1
		BENNETT STONE QUARRY	BLOOMINGTON	Y	1
		BLOOMINGTON CAPACITOR SITE	BLOOMINGTON	N	1
		CAM-OR	WESTVILLE	N	3
		CANTU WELL	GARY	N	2
		DOWDEN LANDFILL	FORTVILLE	N	1
		ELKHART SITE	ELKHART	N	1
		ENVIROCHEM CORP.	ZIONSVILLE	Y	1
		ENVIROCHEM CORP.+	ZIONSVILLE	Y	1
		ENVIROCHEM CORP.+	ZIONSVILLE	Y	1
		ENVIROCHEM CORP.+	ZIONSVILLE	Y	1
		GALEN MEYERS	OSCEOLA	N	1
		GALEN MEYERS+	OSCEOLA	N	2
		GARY DOG POUND	GARY	N	1
		I-69	FISHERS	N	1
		I.J. RECYCLING	FT. WAYNE	N	2
		INDIANA REFINERY	PRINCETON	N	1
		LAKE SANDY JO	GARY	Y	1
		LAKE SANDY JO+	GARY	Y	1
		LEMON LANE LANDFILL	BLOOMINGTON	Y	1
		LUSHER STREET	ELKHART	N	3

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IN	5	LUSHER STREET+	ELKHART	N	3
		MAIN STREET WELL	ELKHART	Y	2
		MICHIGAN CITY DRUMS	MICHIGAN CITY	N	1
		MIDCO I	GARY	Y	1
		MIDCO II	GARY	Y	1
		MIDWEST PLATING	LOGANSPORT	N	1
		MIDWEST PLATING-KOKOMO	KOKOMO	N	2
		MONON WATERWORKS	MONON	N	2
		POER FARM	HANCOCK COUNTY	Y	1
		PORTAGE DRUMS	PORTAGE	N	2
		R.J. TRUCKING	PRINCETON	N	1
		SEYMOUR RECYCLING CORP.	SEYMOUR	Y	1
		SHELTON WELLS	COLUMBUS	N	2
		STEEL CONTAINER	HAMMOND	N	1
		STEEL CONTAINER+	HAMMOND	N	1
		SYCAMORE STREET	ELKHART	N	2
		TRI-STATE	COLUMBUS	Y	2
		TRI-STATE+	COLUMBUS	Y	3
		TYLER STREET DRUMS	GARY	N	2
		WEDZEB ENTERPRISES INC	LEBANON	Y	2
KS	7	BEAUTY ROSE CHEMICAL	KANSAS CITY	N	2
		CHEROKEE COUNTY (TRI STATE)	CHEROKEE COUNTY	Y	2
		CHEROKEE COUNTY (TRI-STATE)+	CHEROKEE COUNTY	Y	3
		JOHN'S REFINERY	WICHITA	N	1
		RICHMOND STREET DRUM	KANSAS CITY	N	1
		ROE LANE TANK	KANSAS CITY	N	3
KY	4	A. L. TAYLOR (VALLEY OF DRUMS)	SHEPARDVILLE	Y	1
		A. L. TAYLOR (VALLEY OF DRUMS)+	SHEPARDVILLE	Y	2

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KY	4	A. L. TAYLOR (VALLEY OF DRUMS)+	SHEPARDVILLE	Y	3
		BOWLING GREEN TOXICS	BOWLING GREEN	N	2
		CHENAULT RECTIFIERS	RICHMOND	N	2
		COAL BRANCH HOLLOW	GREENUP	N	1
		DISTLER BRICKYARD	WEST POINT	Y	1
		DISTLER FARM	JEFFERSON COUNTY	Y	1
		GEORGE O'BRYAN SITE	LOUISVILLE	N	1
		GREENUP TIRE FIRE	GREENUP	N	3
		HARRISON	CYNTHIANA	N	1
		INDUSTRIAL PLASTICS	LOUISVILLE	N	3
		KEITH FARM POND	BOWLING GREEN	N	1
		LEE'S LANE LANDFILL	LOUISVILLE	Y	3
		LEE'S LANE LANDFILL+	LOUISVILLE	Y	3
		MIDNIGHT DUMPING (KY)	HENDERSONVILLE	N	1
		NEWPORT DUMP SITE	NEWPORT	Y	3
		NICHRO PLATING COMPANY	LOUISVILLE	N	2
		O'CON ENGINEERING	BONNIEVILLE	N	3
		SMITH'S FARM	BROOKS	Y	1
		SMITH'S FARM+	BROOKS	Y	3
		TAYLORSPORT SAND & GRAVEL PIT	TAYLORSPORT	N	3
		TINDALL PROPERTY SITE	LAWRENCEBERG	N	3
		WHITLEY COUNTY	SILER	N	1
LA	6	AMERICAN CREOSOTE	WINNFIELD	N	3
		AMERICAN CREOSOTE+	WINNFIELD	N	3
		BARGE STAR 7	LAROSE	N	1
		CLEVE REBER	SORRENTO	Y	1
		OLD INGER OIL REFINERY	DARROW	Y	1
		OLD INGER OIL REFINERY+	DARROW	Y	1
		OLD INGER OIL REFINERY+	DARROW	Y	1

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LA	6	OLD INGER OIL REFINERY+	DARROW	Y	1
		OLD INGER OIL REFINERY+	DARROW	Y	3
		STONEWALL DRUG DUMP	STONEWALL	N	1
		W.J. OIL CO.	LAROSE	N	1
MA	1	#7 COMMERCIAL	BROCKTON	N	3
		ABANDONED DRUM	CAPE COD	N	2
		BAIRD & MCGUIRE	HOLBROOK	Y	1
		BAIRD & MCGUIRE+	HOLBROOK	Y	1
		BEAL STREET DRUM	HINGHAM	N	2
		BREAKNECK ROAD	SOUTHBRIDGE	N	2
		CANNON ENGINEERING	BRIDGEWATER	Y	3
		CANNON ENGINEERING CORP.	PLYMOUTH	Y	1
		CAPE COD CANAL	SANDWICH	N	3
		CHARLES GEORGE RECLAMATION	TYNGSBOROUGH	Y	1
		CHATHAM BEACH	CHATHAM	N	3
		COTTAGE ST.	DORCHESTER	N	3
		DEAN STREET	NORWOOD	Y	1
		FAIRVIEW ROAD	NORWOOD	N	3
		HIGH SACHEM SITE	MASHPEE	N	2
		HOUGELS NECK	QUINCY	N	1
		HULL CAUSTIC WASTE (SAMOSET)	HULL	N	3
		INDUSTRI-PLEX	WOBURN	Y	1
		INDUSTRIAL AVENUE	LOWELL	N	2
		INDUSTRIPLEX SITE	WOBURN	Y	3
		IRON HORSE PARK	BILLERICA	Y	1
		LOWNEY WAY	CHARLESTOWN	N	3
		MIDNIGHT DUMP	DIGHTON	N	1
		NANTASKET BEACH	HULL	N	2
		NANTASKET BEACH	HULL	N	3

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MA	1	NEW BEDFORD SITE	NEW BEDFORD	Y	1
		NEW BEDFORD SITE+	NEW BEDFORD	Y	1
		NEW BEDFORD SITE+	NEW BEDFORD	Y	1
		NYANZA SITE	ASHLAND	Y	3
		SALEM ACRES	SALEM	Y	3
		SILRESIM CHEMICAL CORP.	LOWELL	Y	1
		SILRESIM CHEMICAL CORP.+	LOWELL	Y	1
		SILRESIM CHEMICAL CORP.+	LOWELL	Y	2
MD	3	ADAMSTOWN SITE	FREDERICK COUNTY	N	3
		BALTIMORE IRON & METALS	BALTIMORE	N	1
		CALIFORNIA MARYLAND DRUM	ST. MARY'S COUNTY	N	1
		CAPITOL ASSAY LABS	BALTIMORE	N	2
		CECIL COUNTY DUMP	NORTHEAST	N	1
		CECIL COUNTY DUMP+	NORTHEAST	N	1
		CHEMICAL METALS INDUSTRIES	BALTIMORE	N	1
		COLUMBIA PARK DRUM	COLUMBIA PARK	N	1
		EVANS TRAIL	CALVERTON	N	1
		IRON HILL DRUM SITE	CECIL COUNTY	N	3
		KANE & LOMBARD STREET DRUMS	BALTIMORE	Y	1
		KANE & LOMBARD STREET DRUMS+	BALTIMORE	Y	2
		LOCOMOTIVE JUNKYARD	BALTIMORE	N	1
		MIDDLETOWN ROAD DUMP	ANNAPOLIS	N	1
		OAKLAND JUNKYARD	OAKLAND	N	3
		SAND, GRAVEL & STONE	ELKTON	Y	1
		SECURITY BOULEVARD	BALTIMORE	N	1
		SOUTHERN MARYLAND WOOD TREATIN	HOLLYWOOD	Y	1
		SPRINGER SEPTIC SERVICES	CHAPTICO	N	1
		UNION PLATING	BALTIMORE	N	1
		UNITED RIGGING & HAULING	BELTSVILLE	N	1

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ME	1	ANDROSCOGGIN (FLOOD)	PENNOBS/PISCATAQ	N	2
		GREAT DIAMOND ISLAND	PORTLAND	N	1
		KENNEBEC (FLOOD)	KENNEBEC	N	2
		KESWICK ROAD	PORTLAND	N	1
		PINETTE'S SALVAGE YARD	WASHBURN	Y	1
		SACO TANNERY WASTE PITS	SACO	Y	1
		UNION CHEMICAL CO.	SOUTH HOPE	N	1
MI	5	ABANDONED DRUMS-ECORSE	ECORSE	N	1
		AVENUE 'E' GROUNDWATER	TRAVERSE CITY	Y	1
		BERLIN & FARRO	SWARTZ CREEK	Y	1
		BERLIN & FARRO+	SWARTZ CREEK	Y	1
		BERLIN & FARRO+	SWARTZ CREEK	Y	1
		BERLIN & FARRO+	SWARTZ CREEK	Y	1
		CANNELTON INDUSTRIES	SAULT ST. MARIE	N	3
		CARTER INDUSTRIAL	DETROIT	N	2
		CHEMICAL DRUM	HESSEL	N	1
		DRUMS ON BEACH	MANISTIQUE	N	1
		DUELL AND GARDNER LANDFILL	DALTON TWP	Y	1
		FORT & SCOTTEN STREETS	DETROIT	N	1
		G & H LANDFILL	UTICA	Y	1
		G & H LANDFILL+	UTICA	Y	2
		G & H LANDFILL+	UTICA	Y	1
		G & H LANDFILL+	UTICA	Y	1
		INTERNATIONAL DISK CORP.	ELLSWORTH	N	1
		INTERNATIONAL DISK CORP.+	ELLSWORTH	N	3
		LIQUID DISPOSAL INC.	UTICA	Y	1
		LIQUID DISPOSAL INC.+	UTICA	Y	1
		LIQUID DISPOSAL INC.+	UTICA	Y	1

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MI	5	LIQUID DISPOSAL INC.+	UTICA	Y	1
		MIDNIGHT DUMPING	DETROIT	N	1
		MILLPOINT (SPRING LAKE)	SPRINGLAKE	N	1
		MT. ELLIOT DRUM	DETROIT	N	2
		NILES TOWNSHIP	NILES TWP	N	1
		NORTHERNAIRE PLATING	CADILLAC	Y	1
		OTT/STORY/CORDOVA	DALTON TOWNSHIP	Y	1
		PBM ENTERPRISES	ROMULUS	N	1
		PEERLESS PLATING	MUSKEGON	N	1
		PLATING EQ. USED	DETROIT	N	3
		RASMUSSEN'S DUMP	GREEN OAK TWP	Y	1
		REVERE COPPER & BRASS	DETROIT	N	3
		ROSE TOWNSHIP DUMP	ROSE TWP	Y	1
		S.E.R. PLATING	KALAMAZOO	N	3
		SAGINAW PAINTING CO.	SAGINAW	N	1
		SELKIRK-BENHAM ST. DRUMS	DETROIT	N	3
		STEVENSON ROAD DRUM	CLINTON TOWNSHIP	N	3
		VERONA WELL FIELD	BATTLE CREEK	Y	1
		VERONA WELL FIELD+	BATTLE CREEK	Y	1
		VERONA WELL FIELD+	BATTLE CREEK	Y	2
		VERONA WELL FIELD+	BATTLE CREEK	Y	2
MN	5	BOW CHEMICAL	ST. PAUL PARK	N	1
		ISANTI SOLVENT SITES	ISANTI COUNTY	N	1
		LEHILLIER/MANKATO SITE	LEHILLIER/MANKATO	Y	1
		RUMPLE JUNKYARD	ISANTI	N	1
		ST. LOUIS RIVER	DULUTH	N	2
		ST. LOUIS RIVER - DULUTH HARBOR	DULUTH	N	1
		UNION SCRAP IRON & METAL CO.	MINNEAPOLIS	Y	1

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MO	7	4325 JACKSON ST	KANSAS CITY	N	3
		B & B SALVAGE	WARRENSBURG	N	3
		BALDWIN PARK	ST. LOUIS	N	3
		BLISS/FRONTENAC	ST. LOUIS	N	1
		BLUE RIVER FLOOD	KANSAS CITY	N	1
		BROADWAY SALVAGE	ST. LOUIS	N	3
		CASHEL PROPERTY	ST. LOUIS COUNTY	Y	1
		CASTLEWOOD COMMUNITY SITE	ST. LOUIS	N	1
		CASTLEWOOD COMMUNITY SITE+	ST. LOUIS	N	3
		CHESTERFIELD TANK	ST. LOUIS RIVER	N	2
		COMMUNITY CHRISTIAN CHURCH	MANCHESTER	N	1
		CROOKED R. DRUM	RAY COUNTY	N	3
		DEARBORN DRUMS	DEARBORN	N	2
		DELMAR STREET DRUNS	ST. LOUIS	N	3
		DICKHOENER PCB SITE	CUBA	N	3
		ELLISVILLE SITE (CALLAHAN)	ELLISVILLE	Y	1
		ERWIN FARM	VERONA	N	1
		FLOOD DAMAGE	ST. LOUIS	N	1
		FRANKLIN/GIMBLIN ST.	ST. LOUIS	N	1
		HOLLY STREET DRUM SITE	KANSAS CITY	N	1
		LACY MANOR DRIVE	JEFFERSON CTY	N	1
		MEXICO FEED & SEED	MEXICO	N	1
		MINKER/STOUT/ROMAINE CREEK	IMPERIAL	Y	3
		NEOSHO WASTEWATER SCHOOL	NEOSHO	N	1
		NODAWAY DRUMS	NODAWAY	N	2
		NORTH 'U' DRIVE PCBS	SPRINGFIELD	Y	1
		NORTH 'U' DRIVE PCBS	SPRINGFIELD	N	2
		ODESSA MANUFACTURING CO.	MAYSVILLE	N	3
		QUAIL RUN MOBILE MANOR	GRAY SUMMIT	N	3
		ROBERTS ST. DRUM	KANSAS CITY	N	3

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MO	7	ROCKWOOD SCHOOL DISTRICT	EUREKA	N	1
		ROSE CHEMICAL	HOLDER	N	1
		ROSE CHEMICAL+	HOLDER	N	2
		RUSHA FARM	LAWRENCE COUNTY	N	1
		SOLID STATE CIRCUITS	REPUBLIC	Y	1
		STORE SAFE EXPLOSIVES	KANSAS CITY	N	3
		SULLINS RESIDENCE	MAXVILLE	Y	1
		TALLEY FARM	LAWRENCE COUNTY	N	1
		THOLOZAN ST. SITE	ST. LOUIS	N	1
		VALLEY GARDEN DRIVE	KANSAS CITY	N	1
		WEAVER DRUMS	KANSAS CITY	N	2
MS	4	ABANDONED DRUM SITE	JACKSON	N	1
		AMERICAN CREOSOTE WORKS (MS)	LOUISVILLE	N	1
		BENTON FURNITURE CO.	ASHLAND	N	2
		BERGERON MARINE	PEARLINGTON	N	1
		CANTON PLATING & BUMPER WORKS	CANTON	N	1
		CAUSTIC CHEMICAL	WOODVILLE	N	1
		COWART VBS	TALLAHATCHIE CITY	N	3
		GOOKEN FARMS DRUM SITE	SENATOBIA	N	3
		GULF BATTERY EXCHANGE	FONTAINBLEAU	N	1
		MIDNIGHT DUMP	MCHENRY COUNTY	N	1
		NATCHEZ DRUG SITE	NATCHEZ	N	1
		NESBIT SCALE HOUSE	NESBIT	N	1
		NESBIT SCALE HOUSE+	NESBIT	N	1
		NEWSOME BROS. SITE+	COLUMBIA	Y	3
		NEWSOME BROTHERS/OLD REICHOLD	COLUMBIA	Y	1
		PLASTIFAX, INC.	GULFPORT	N	1
		S. ELECTROFORMING	KOSCIUSKO	N	1
		SONFORD PRODUCTS	JACKSON	N	1

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MS	4	SOUTHERN LUMBER CO.	CROSBY	N	1
MT	8	MILL CREEK SITE (ANACONDA)	ANACONDA	Y	3
		MOTHERLODE FACILITY	EAST HELENA	N	1
		RELIANCE REFINERY	KALISPELL	N	3
		SILVER BOW CREEK/WALKERVILLE	SILVER BOW/DEER LDGE	Y	3
NC	4	ABERDEEN PESTICIDE	ABERDEEN	N	1
		AHOSKIE MIDNIGHT DUMP	AHOSKIE	N	1
		ALANDALE DR. CHEMICAL SITE	WILMINGTON	N	2
		AUBURN CHURCH ROAD DRUMS	RALEIGH	N	2
		BARNES PROPERTY	FAIRMONT	N	3
		BEACH CONTAINERS	OREGON INLET	N	2
		BOSTIC DRUM	HOLLY RIDGE	N	3
		BUCKHORN PESTICIDE FIRE	BUCKHORN	N	1
		BUCKHORN RD. DRUM SITE	SANFORD	N	2
		BUSH BROTHERS PLATING	REIDVILLE	N	1
		CALDWELL COUNTY	LENOIR	N	1
		CAPE FEAR WOOD PRESERVING	FAYETTEVILLE	Y	1
		CAPE FEAR WOOD PRESERVING+	FAYETTEVILLE	Y	2
		CAPE FEAR WOOD PRESERVING+	FAYETTEVILLE	Y	1
		CAPE HATTERAS NATIONAL SEASHOR	RODANTHE	N	1
		CAROLINA PRODUCTION	ASHEVILLE	N	3
		CAROLINA TRANSFORMER CO.	FAYETTEVILLE	Y	1
		CHARLES MACON LAGOON & DRUM	CORDOVA	Y	1
		CHEMTRONICS INC.	SWANNANOA	Y	1
		CLAYTON BALLFIELD PESTICIDE	CLAYTON	N	1
		CLEVELAND CO. DRUM SITE	SHELBY	N	3
		CORNELL-DUBLIER	SANFORD	N	3
		DAVENPORT CREOSOTE SPILL	PINETOPS	N	1

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NC	4	DOCKERY PROPERTY	CORDOVA	N	1
		DOT MAINTENANCE YARD	SHALLOTTE	N	1
		ELIZABETH CITY DRUM	ELIZABETH CITY	N	1
		EVERHART LUMBER SITE	NEW BERN	N	1
		FORBUSH METAL FINISHING	YADKINVILLE	N	3
		FURNACE RD. DRUM SITE	LINCOLNTON	N	2
		GASTON CO. DRUM SITE	GASTONIA	N	3
		GIBSON MIDNIGHT DUMP	GIBSON	N	3
		GILLCREST ROAD	WAKE FOREST	N	1
		HOLLINGSWORTH PESTICIDE SITE	FAYETTEVILLE	N	2
		HUMPBACK MTN. RD. DRUMS	SPRUCE PINE	N	2
		JMC PLATING	LEXINGTON	N	3
		LAUREL SPRINGS PCB SITE	LAUREL SPRINGS	N	2
		LENOIR REFINING	LENOIR	N	1
		MIDNIGHT DUMPING/GUILFORD	GUILFORD	N	1
		ONE-HOUR KORETIZING	DURHAM	N	1
		PCB CONTAMINATED WELLS	TAYLORSVILLE	N	3
		PLYMOUTH WOOD TREATMENT	PLYMOUTH	N	1
		POTTERS PITS	MACO	N	1
		QUEENS PROPERTY	CHARLOTTE	N	2
		ROUTE 211 PESTICIDE SITE	ABERDEEN	N	1
		ROWES CORNER DRUM DUMP	ROWES CORNER	N	2
		SALVAGE OIL OF AMERICA	ROCKINGHAM	N	1
		SAMPSON CO. DUMPSTER	ROSEBORO	N	1
		SANFORD PLATING COMPANY	SANFORD	N	2
		SCOTTS CREEK BATTERY	NEW BERN	N	1
		SOUTH RIVERDALE DRIVE	DURHAM	N	1
		U.S. 70 DUMP SITE	MORGANTOWN	N	2
		U.S. HWY 1 TRUCK SITE	VASS	N	1
		UNION CO. DRUM SITE	MONROE	N	3

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NC	4	WESTERN CAROLINA SMELTING	MADISON	N	1
		WOODY'S TIRE FIRE	GASTONIA	N	3
ND	8	ARSENIC TRIOXIDE	SOUTHEASTERN ND	Y	2
		GRAND FORKS DRUM SITE	GRAND FORKS	N	1
		VAAGAN-DAHLE FARM	CARPIO	N	1
NE	7	ECONOMY PRODUCTS	OMAHA	N	1
		ENVIRONMENTAL SERVICES, INC.	OMAHA	N	1
		HOFFMAN DRUM (ALLIANCE)	ALLIANCE	N	3
		MARCY STREET	OMAHA	N	1
		MURDOCK GROUNDWATER	MURDOCK	N	1
		MURDOCK GROUNDWATER+	MURDOCK	N	2
NH	1	13 NIQUETTE (27)	NASHUA	N	3
		17 NIQUETTE	NASHUA	N	3
		AUBURN RD	LONDONDERRY	Y	2
		BURNS HILL ROAD	HUDSON	N	1
		BURSEY ASBESTOS	HUDSON	N	1
		GONIC SITES	GONIC	N	1
		HALL STREET	BOW	N	2
		JOHNS MANVILLE ASBESTOS SITE	HUDSON	N	1
		KEEFE ENVIRONMENTAL SERVICES	EPPING	Y	1
		LAKE SUNAPEE	SUNAPEE	N	1
		LOWELL ROAD	HUDSON	N	1
		MATARAZZO	HUDSON	N	1
		MOTTOLO PIG FARM	RAYMOND	Y	1
		OTTATI & GOSS/KINGSTON STEEL	KINGSTON	Y	1
		POINTER ASBESTOS	HUDSON	N	1
		RIDGE AVENUE ASBESTOS	HUDSON	N	1

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NH	1	RUSSEL AVE. (28)	NASHUA	N	3
		S. BANK ASBESTOS	NASHUA	N	1
		S. BANK ASBESTOS+	NASHUA	N	2
		SAVAGE MUNICIPAL WATER SUPPLY	MILFORD	Y	1
		SHADY LANE ASBESTOS	NASHUA	N	1
		SYLVESTER	NASHUA	Y	1
		TIBBETTS ROAD	BARRINGTON	Y	1
		TIBBETTS ROAD+	BARRINGTON	Y	3
		TIBBETTS ROAD+	BARRINGTON	Y	3
		TINKHAM GARAGE	LONDONDERRY	Y	1
NJ	2	ATLANTIC RESOURCES	SAYREVILLE	N	3
		BLUE POLY DRUM	GLOUCESTER CITY	N	1
		BLUE SPRUCE INTERNATIONAL	BOUND BROOK	N	1
		BRADY METALS	NEWARK	N	1
		BRIDGEPORT RENTAL & OIL SVCS.	BRIDGEPORT	Y	1
		BRIDGEPORT RENTAL & OIL SVCS.+	BRIDGEPORT	Y	1
		BRIDGEPORT RENTAL & OIL SVCS.+	BRIDGEPORT	Y	1
		BRIDGEPORT RENTAL & OIL SVCS.+	BRIDGEPORT	Y	1
		BRIDGEPORT RENTAL & OIL SVCS.+	BRIDGEPORT	Y	1
		BURNT FLY BOG	MARLBORO TOWNSHIP	Y	1
		CAMPLAIN ROAD	HILLSBOROUGH	N	1
		CAMPLAIN ROAD+	HILLSBOROUGH	N	2
		CHEMICAL CONTROL	ELIZABETH	Y	1
		CHEMICAL CONTROL+	ELIZABETH	Y	1
		CHEMICAL INSECTICIDE CORP.	METUCHEN	N	3
		CHEMICAL LEAMAN TANK LINES	BRIDGEPORT	Y	2
		CONTAMINATED WELLS	EAST HANOVER	N	3
		CONTAMINATED WELLS+	EAST HANOVER	N	3
		COOPER RIVER	CAMDEN	N	3

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NJ	2	COULTER STREET	TOMS RIVER	N	3
		DELANCY TRAILER	NEWARK	N	1
		DELAWARE RIVER	GLOUSTER	N	2
		DUANE MARINE	PERTH AMBOY	N	1
		DUANE MARINE+	PERTH AMBOY	N	1
		FRIED INDUSTRIES	EAST BRUNSWICK TWP.	Y	1
		GEMS LANDFILL	GOUCESTER TOWNSHIP	Y	1
		GOOSE FARM	PLUMSTEAD TOWNSHIP	Y	1
		HAYES PARK POOL	NEWARK	N	1
		HILLSBOROUGH-ROUTE 206	HILLSBORO	N	2
		HORSESHOE ROAD DUMP	SAYREVILLE	N	1
		INDUSTRIAL LATEX	WALLINGTON	N	2
		INDUSTRIAL LATEX+	WALLINGTON	N	3
		INTERNATIONAL METAL SVCS.	NEWARK	N	3
		KEARNY DRUM DUMP #1 & #5	KEARNY	N	1
		KEARNY DRUM DUMP #2	KEARNY	N	1
		KIN-BUC LANDFILL	EDISON TOWNSHIP	Y	1
		LIPARI LANDFILL	PITMAN	N	1
		LIPARI LANDFILL+	PITMAN	N	1
		LOCKWOOD STREET	NEWARK	N	1
		MINSEI	WOODLAWN TOWNSHIP	N	2
		MYERS PROPERTY	FRANKLIN TOWNSHIP	Y	1
		MYERS PROPERTY+	FRANKLIN TOWNSHIP	Y	3
		NASCOLITE	MILLVILLE	Y	3
		PERONA TIRE FIRE	ATLANTIC	N	2
		POMONA OAKS RESIDENTIAL WELLS	GALLOWAY TOWNSHIP	Y	1
		PULVERIZING SERVICES	MOORESTOWN	N	3
		QUANTA RESOURCES	EDGEWATER	N	1
		RENORA, INC.	EDISON TOWNSHIP	Y	1
		SIGNO DELTA WAREHOUSE	WALL TOWNSHIP	N	2

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NJ	2	WALDICK AEROSPACE DEVICES	WALL TOWNSHIP	Y	1
		YELLOW GOOP ON BEACH	LONG BRANCH	N	1
NM	6	ARGENT CORPORATION	RIO RANCHO	N	1
		CIMMARON MINING	CARRIZOZO	N	2
		PRONTO SERVICES	ALBUQUERQUE	N	1
		S VALLEY PCB TANK SITE	ALBUQUERQUE	N	1
		WHITFIELD TANKLINES	ALBUQUERQUE	Y	3
NV	9	AEROLITE PLATING	RENO	N	3
		BIG SPRING RANCH	SHAFTER	N	1
		CYANIDE SPILL	GLENDALE	N	1
		ECHO BAY STATION	LAKE MEAD	N	1
		POLYCARB WELLS	WELLS	N	3
		SILVERADO LEACH MILL FACILITY	EUREKA	N	3
		WASHO DRUM	RENO	N	1
NY	2	ABANDONED DRUM	ROCKAWAY	N	1
		ABANDONED DRUMS ERIE CANAL	BUFFALO	N	1
		AMERICAN THERMOSTAT	SOUTH CAIRO	Y	1
		ARSENIC MINES	KENT	N	3
		ASBESTOS DUMPING	E. FARMINGDALE	N	2
		ASBESTOS/TORREY PLACE	YONKERS	N	2
		BAYSHORE	ISLIP	N	1
		BERNCOLOR INC.	POUGHKEEPSIE	N	1
		BERNE METALS	BUFFALO	N	3
		BLOOMING GROVE	ORANGE COUNTY	N	2
		BYRON BARREL & DRUM	BYRON	Y	1
		CAYADOTTA CREEK	JOHNSTOWN	N	1
		CLOTHIER DISPOSAL	TOWN OF GRANBY	Y	3

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NY	2	FORT DRUM	WATERTOWN	N	2
		FORT TOTTEN	NEW YORK CITY	N	1
		FULTON TERMINALS	FULTON	Y	2
		FULTON TERMINALS+	FULTON	Y	2
		FULTON TERMINALS+	FULTON	Y	2
		GAZZOLA DRIVE	LONG ISLAND	N	2
		HIGH VIEW TERRACE	WEST SENECA	N	3
		HONEYOE FALLS	N. BLOOMFIELD	N	3
		HUDSON RIVER	NEW YORK	N	3
		HYDE PARK DRUM SITE	DUTCHESS COUNTY	N	2
		JAGGER LANE	SOUTHAMPTON	N	1
		KENTUCKY AVENUE WELL FIELD	HORSEHEADS	Y	1
		LA CLAIR RESIDENCE	FORT ANN	N	3
		LINCOLN AVENUE	BOHEMIA	N	1
		LINCOLN AVENUE	PORT JEFFERSON	N	3
		LONG ISLAND BEACH	RYE	N	1
		LOVE CANAL (BLACK CREEK)	NIAGARA FALLS	Y	1
		MADISON WIRE CO	WEST SENECA	N	2
		MATTIACE PETRO CHEMICAL	GLEN COVE	N	3
		MEK SPILL	HICKSVILLE	N	1
		MILLER ROAD	AMITYVILLE	N	3
		MORELAND FARM	COMMACK	N	2
		N. LINDENHURST	BABYLON	N	2
		NIAGARA RIVER	YOUNGSTOWN	N	3
		OLEAN WELL FIELD	OLEAN	Y	1
		OLEAN WELL FIELD+	OLEAN	Y	1
		OLEAN WELL FIELD+	OLEAN	Y	1
		PARTHEY LANE	AMITYVILLE	N	2
		POLLUTION ABATEMENT SVCS. (PAS)	OSWEGO	Y	1
		POLLUTION ABATEMENT SVCS. (PAS)+	OSWEGO	Y	3

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NY	2	PRIMO SHIELD	UTICA	N	2
		RIDGE ROAD AT RT. 20	POMPEY	N	3
		SAG HARBOR	SOUTHAMPTON	N	1
		SAMMIS AVENUE-DEER PARK	BABYLON	N	1
		SHIRLEY #2	BROADWAY	N	2
		SIGNO TRADING	WESTCHESTER	N	1
		SIGNO/COTY	STATEN ISLAND	N	2
		SIGNO/KENSTON	BROOKLYN	N	2
		SIGNO/MT. VERNON	MT. VERNON	N	3
		TOWN OF KENT	PUTNAM COUNTY	N	2
		WADING RIVER	SUFFOLK COUNTY	N	1
		WALLKILL WELL	WALLKILL	N	1
		WIDE BEACH	BRANT	Y	1
		WIDE BEACH+	BRANT	Y	2
		WINDUS DR.	SHIRLEY	N	1
		YORK OIL CO.	MORIA	Y	1
		YORK OIL CO.+	MORIA	Y	1
OH	5	ABANDONED CHEMICALS	CLEVELAND	N	1
		AEROQUIP/REPUBLIC HOSE	OAKLAND	N	1
		AMERICAN STEEL DRUM	BEDFORD	N	1
		AMERICAN STEEL DRUM+	BEDFORD	N	3
		ANACONDA ROAD SITE	AKRON	N	1
		ASBESTOS BAGS ORWELL	ORWELL	N	2
		CENTRAL WASTE LANDFILL	ALLIANCE	N	2
		CHEM-DYNE	HAMILTON	Y	1
		CHEM-DYNE+	HAMILTON	Y	1
		CHEM-DYNE+	HAMILTON	Y	1
		CHEMCO	ASTABULA	N	3
		CHEMICAL MINERALS RECLAMATION	CLEVELAND	N	1

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OH	5	COMMERCIAL OIL	OREGON	N	2
		COMMERCIAL OIL+	OREGON	N	3
		DAYTON TIRE AND RUBBER	DAYTON	N	2
		GP & K, INC.	MENTOR	N	1
		GREINERS LAGOON	FREMONT	N	1
		GREINERS LAGOON+	FREMONT	N	3
		GREINERS LAGOON+	FREMONT	N	1
		GREINERS LAGOON+	FREMONT	N	1
		HYTECH CHROME	LOGAN	N	1
		J.C. HAYNES	NEWARK	N	1
		J.V. PETERS	MIDDLEFIELD	N	1
		K & S CIRCUITS	PHILLIPSBURG	N	3
		LASKIN/POPLAR OIL CO.	JEFFERSON	Y	1
		LASKIN/POPLAR OIL CO.+	JEFFERSON	Y	1
		LASKIN/POPLAR OIL CO.+	JEFFERSON	Y	3
		LASKIN/POPLAR OIL CO.+	JEFFERSON	Y	1
		LIQUID WASTE MANAGEMENT	SHANDON	N	2
		MIDNIGHT DUMP,W.58TH STREET	CLEVELAND	N	1
		OLD MILL	ROCK CREEK	Y	1
		OLD MILL+	ROCK CREEK	Y	1
		OLD MILL+	ROCK CREEK	Y	1
		PETROLEUM POWER & MAINTENANCE	LOUISVILLE	N	2
		RASER TANNERY	ASHTABULA	N	1
		RELIABLE PLATING	FINDLAY	N	3
		SEAWAY WAREHOUSE	WASHINGTON COURTHOUSE	N	1
		SKILJAN/DIAL	CLEVELAND	N	1
		SUMMIT EQUIPMTNT & SUPPLIES	AKRON	N	2
		SUMMIT NATIONAL	DEERFIELD TWP.	Y	1
		SUMMIT NATIONAL+	DEERFIELD TWP.	Y	3
		T.P. LONG	AKRON	N	1

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OH	5	UNITED SCRAP LEAD CO.	TROY	Y	1
		VALLEYWOOD SUBDIVISION	VALLEYWOOD	N	1
OK	6	10TH ST. DUMP/JUNKYARD	OKLAHOMA CITY	Y	2
		COMPASS INDUSTRIES	TULSA	Y	3
		DUNCAN TRANSFORMER SITE	DUNCAN	N	1
		HADDOCK AIRPORT	ERRICK	N	1
		JACK DENNIS PESTICIDE BURNSITE	MIDWEST CITY	N	1
		JACK DENNIS PESTICIDE BURNSITE+	MIDWEST CITY	N	1
		TAR CREEK (OTTAWA COUNTY)	OTTAWA COUNTY	Y	1
		WHEATLAND DRUM	OAKLAHOMA CITY	N	1
OR	10	DEPOE BAY	LINCOLN CITY	N	3
		NORTHWEST DUST CONTROL	WHITE CITY	N	1
		UNION AVE. PCB SITE	PORTLAND	N	1
		UNITED CHROME PRODUCTS INC	CORVALLIS	Y	1
		WILLIAMETTE RIVER	PORTLAND	N	2
PA	3	ABM EDDYSTONE	DELAWARE COUNTY	N	1
		AMBLER ASBESTOS PILES	AMBLER	Y	1
		AMBLER ASBESTOS PILES+	AMBLER	Y	1
		AMERICAN INSULATOR	NEW FREEDOM	N	3
		AMERICAN STREET TANNERY	PHILADELPHIA	N	3
		APACHE WASTE OIL	CORISHOHOCKEN	N	1
		ASHLAND CHEMICAL	PHILADELPHIA	N	2
		BENSALEM DRUM	BENSALEM TWP.	N	1
		BERKS SAND PIT-VAN ELLSWYCK	LONGSWAMP TWP.	Y	1
		BFG ELECTROPLATING	PUNXSUTAWNY	N	1
		BIEDLER ROAD	UPPER MARION TWP.	N	1
		BOYERTOWN SCRAP METAL	BOYERTOWN	N	1

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PA	3	BRODHEAD CREEK	STROUDSBURG	Y	1
		BROWN'S BATTERY BREAKING	SHOEMAKERSVILLE	Y	1
		BRUIN LAGOON	BRUIN BOROUGH	Y	1
		BRUIN LAGOON+	BRUIN BOROUGH	Y	1
		BURIED DRUM REMOVAL	MCKEAN COUNTY	N	1
		BUTLER TUNNEL	PITTSTON	Y	1
		C&F CHEMICAL	GOSHEN	N	1
		C. E. BRUBAKER	LANCASTER	N	1
		CAMP RUN DRUM	MCKEAN COUNTY	N	1
		CAUSTIC MIDNIGHT DUMP	PHILADELPHIA	N	1
		DONEGAL TWP. MIDNIGHT DRUM DUMP	BUTLER COUNTY	N	3
		DORNEY ROAD LANDFILL	UPPER MACUNGIE TWP.	Y	1
		DRACUP WAREHOUSE	YOUNGSVILLE	N	1
		DRACUP WAREHOUSE+	YOUNGSVILLE	N	1
		DRAKE CHEMICAL	LOCK HAVEN	Y	1
		DRAKE CHEMICAL+	LOCK HAVEN	Y	1
		DUNCANSVILLE TANKER	DUNCANSVILLE	N	1
		DUNNING MOUNTAIN DRUM FIRE	BLAIR COUNTY	N	1
		DURHAM TWP SOLVENT SPILL	DURHAM TOWNSHIP	N	2
		EAGER BEAVER LUMBER CO.	TOWNVILLE	N	3
		EAST CUMBERLAND STREET	PHILADELPHIA	N	1
		EWEING ROAD DRUM SITE	COLLIER TWP	N	1
		FENNEL ROAD	BUCKS COUNTY	N	1
		FRONT ST. TANKER	CHESTER	N	3
		GARAGE FIRE	GLENSIDE	N	1
		GRADYVILLE MIDNIGHT DUMP	GRADYVILLE	N	1
		HIGH QUALITY PLATING	OLD ZIONSVILLE	N	1
		HOWARD RODGER'S DRUM	FRANKLIN	N	2
		HUTCHINSON PCB MINE	HUTCHINSON	N	3
		INTERSTATE TRANSFORMER	ELLWOOD CITY	N	1

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PA	3	JOHNSON BRONZE	NEW CASTLE	N	3
		KEVAK PROPERTY	GLEN LYON	N	3
		KEYSER AVE BOREHOLE	LACKAWANA COUNTY	N	2
		KRUM TRASH	DANVILLE	N	1
		LACKAWANNA REFUSE	OLD FORGE BOROUGH	Y	1
		LANCASTER BATTERY	MANHEIM TWP.	N	2
		LANSDOWNE RADIATION	LANSDOWNE	Y	3
		M.W. MANUFACTURING	VALLEY TOWNSHIP	Y	1
		MALITOVSKY DRUM CO.	PITTSBURGH	N	1
		MERCER COUNTY DRUM DUMP	MERCER COUNTY	N	1
		METCOA RADIATION SITE	PULASKI	N	2
		MILL CREEK DUMP	ERIE	Y	1
		MILL CREEK DUMP+	ERIE	Y	2
		MT. POCONO	MONROE COUNTY	N	1
		MUSKRAT ROAD DRUM	BUCKS COUNTY	N	1
		NICKEL PLATE ROAD	COCHRANTON	N	3
		NVF COMPANY	KENNETT SQUARE	N	3
		OLD AMERICAN GLYCERINE	MCKEAN	N	1
		OLD GARAGE	MARION HEIGHTS	N	1
		PAGAN ROAD	ERIE COUNTY	N	2
		PAOLI RAIL YARDS	PAOLI	N	3
		PATRICK DIEHL	BLAIR COUNTY	N	1
		PINEY CREEK DRUM	BLAIR COUNTY	N	1
		PLYMOUTH MEETING DRUM	PLYMOUTH MEETING	N	2
		POTTSTOWN ABANDONED TRAILER	POTTSTOWN	N	1
		PRINTED CIRCUITS, INC.	BUCKS COUNTY	N	1
		REVERE CHEMICAL	NOCKAMIXON TWP.	Y	1
		ROTUNDA DRIVE	ERIE COUNTY	N	2
		ROUTE 13 DRUM SITE	BUCKS COUNTY	N	1
		RT. 563 DRUM SITE	SALFORD TWP.	N	3

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PA	3	SANDONELLE PCB	FINDLEY TOWNSHIP	N	2
		SATELLITE/AMMET INCENDIARY	ALLEGHANY COUNTY	N	1
		SOLLY AVE. MIDNIGHT DRUM DUMP	NE PHILADELPHIA	N	3
		SON OF LANSDOWNE	LANSDOWNE	N	3
		SSCD SCHOOLYARD SITE	PUNXSUTAWNEY	N	2
		STARBRICK	CONEWANGO TOWNSHIP	N	1
		SUNSET GOLF COURSE	HARRISBURG	N	1
		SWISSVALE AUTO	SWISSVALE BOROUGH	N	2
		TAYLOR BOROUGH DUMP	TAYLOR BOROUGH	Y	1
		TAYLOR BOROUGH DUMP+	TAYLOR BOROUGH	Y	2
		TINICUM MARSH	FALLCROFT	N	1
		TRI-STATE ENGINEERING	WASHINGTON COUNTY	N	1
		TROWBRIDGE ESTATES MERCURY	SOUTHHAMPTON TWP.	N	2
		TURCO COATINGS	PHOENIXVILLE	N	1
		TYSONS DUMP	UPPER MERION TWP.	Y	1
		VULCANIZED RUBBER & PLASTICS	MORRISVILLE	N	1
		WACHS LANDFILL	WEST NEWTON	N	3
		WADE (ABM)	CHESTER	Y	1
		WADE (ABM)+	CHESTER	Y	1
		WALSH LANDFILL	HONEYBROOK TWP	Y	1
		WESTINGHOUSE ELEVATOR	GETTYSBURG	Y	1
		WESTINGHOUSE ELEVATOR+	GETTYSBURG	Y	1
		WESTLINE SITE	WESTLINE	Y	1
		WESTLINE SITE+	WESTLINE	Y	1
PR	2	CAMUY RIVER DUMP SITE	PUERTO RICO	N	2
		DORADO DRUM SITE	DORADO	N	1
		PUERTO RICO ORGANIC INC	ARECIBO	N	1
RI	1	CASTLE HILL	NEWPORT	N	1

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RI	1	COOKS LANDFILL	EAST PROVIDENCE	N	1
		DAVIS LIQUID WASTE	SMITHFIELD	Y	1
		MENEMSHA	PROVIDENCE	N	2
		PICILLO FARM	COVENTRY	Y	1
		STAMINA MILLS	N. SMITHFIELD	Y	1
		STAMINA MILLS+	N. SMITHFIELD	Y	3
		WESTERN SAND & GRAVEL	BURRILLVILLE	Y	1
SC	4	BABB DRUMS	LITTLE CHICAGO	N	2
		BURKETT CYLINDER	CHARLESTON	N	1
		C.D. BUFF	UMA	N	1
		CAROLAWN INC.	FORT LAWN	Y	1
		CAROLAWN INC.+	FORT LAWN	Y	1
		DONALDSON ROADSIDE DUMP	GREENVILLE	N	3
		DREYFUS STREET	COLUMBIA	N	1
		EARL ALLEN CHEMICAL SITES	NORTH AUGUSTA	N	1
		GEIGER OIL SITE	CHARLESTON	Y	3
		HORRY CO. FIREWORKS	CONWAY	N	1
		INMAN WAREHOUSE	INMAN	N	3
		JIMMY'S TRUCK STOP	ORANGEBURG	N	1
		KERSHAW CO. LANDFILL	KERSHAW COUNTY	N	2
		LANDO DRUMS SITE	LANDO	N	2
		MEDLEY FARM DRUM DUMP	GAFFNEY	N	1
		NATIONAL GALVANIZING	TRAVELER'S REST	N	1
		NICHOLS AIR STRIP	NICHOLS	N	3
		PALMETTO WOOD PRESERVING	CAYCE	Y	1
		REIMER DRUM	BATH	N	1
		WOODWARD PROPERTY DRUMS	MYRTLE BEACH	N	2
SD	8	HELDT CHEMICAL (SD SERV)	BROOKINGS	N	1

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TN	4	AMERICAN CREOSOTE/JACKSON PLNT	JACKSON	Y	1
		AMERICAN CREOSOTE/JACKSON PLNT+	JACKSON	Y	1
		ARLINGTON BLENDING & PACKAGING	ARLINGTON	Y	1
		GALLAWAY PONDS SITE	GALLAWAY	Y	1
		GALLAWAY PONDS SITE+	GALLAWAY	Y	3
		HAMILL-HOOKER RD #3	CHATTANOOGA	N	1
		J & L DRUM SITE	MEMPHIS	N	1
		JACQUES MILLER SITE (KIRBY)	NASHVILLE	N	2
		MILLER SITE	ROAN MOUNTAIN	N	1
TT	9	PCB WASTES (15-SAIPAN)	PACIFIC TRUST TERRITORIES	N	1
		W TRUST TERR (11-HARMON AREA)	PACIFIC TRUST TERRITORIES	N	1
		W TRUST TERR (13-GPA/NAVAL)	PACIFIC TRUST TERRITORIES	N	1
		W TRUST TERR (14-CNMI-PCB)	PACIFIC TRUST TERRITORIES	N	1
		W TRUST TERR (16-PALAU)	PACIFIC TRUST TERRITORIES	N	1
		W TRUST TERR (17-MARSHALL IS)	PACIFIC TRUST TERRITORIES	N	1
		W TRUST TERR (18-GUAM DPH)	PACIFIC TRUST TERRITORIES	N	1
		W TRUST TERR (19-MARSHALL IS)	PACIFIC TRUST TERRITORIES	N	1
		W TRUST TERR (2-UNIV GUAM)	PACIFIC TRUST TERRITORIES	N	1
		W TRUST TERR (20-MARSHALL IS)	PACIFIC TRUST TERRITORIES	N	1
		W TRUST TERR (21-EBEYE PUB)	PACIFIC TRUST TERRITORIES	N	1
		W TRUST TERR (25-PONAPE ELECT)	PACIFIC TRUST TERRITORIES	N	1
		W TRUST TERR (26-PONAPE)	PACIFIC TRUST TERRITORIES	N	1
		W TRUST TERR (27-PONAPE FRST)	PACIFIC TRUST TERRITORIES	N	1
		W TRUST TERR (28-PONAPE)	PACIFIC TRUST TERRITORIES	N	1
		W TRUST TERR (29-KOSRAE)	PACIFIC TRUST TERRITORIES	N	1
		W TRUST TERR (3-GUAM MEM HOSP)	PACIFIC TRUST TERRITORIES	N	1
		W TRUST TERR (30-TRUK)	PACIFIC TRUST TERRITORIES	N	1
		W TRUST TERR (32-YAP)	PACIFIC TRUST TERRITORIES	N	1

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TT	9	W TRUST TERR (33-YAP)	PACIFIC TRUST TERRITORIES	N	1
		W TRUST TERR (4 SITES)	PACIFIC TRUST TERRITORIES	N	1
		W TRUST TERR (4-GUAM EDUC)	PACIFIC TRUST TERRITORIES	N	1
		W TRUST TERR (4-GUAM PUB HOSP)	PACIFIC TRUST TERRITORIES	N	1
		W TRUST TERR (5-GUAM AGRI)	PACIFIC TRUST TERRITORIES	N	1
		W TRUST TERR (7-GUAM ECON)	PACIFIC TRUST TERRITORIES	N	1
		W TRUST TERR (8-GUAM PHYS)	PACIFIC TRUST TERRITORIES	N	1
		W TRUST TERR (9-GUAM DEPT PHL)	PACIFIC TRUST TERRITORIES	N	1
		W TRUST TERR (B-DELA CRUZ)	PACIFIC TRUST TERRITORIES	N	1
		W TRUST TERR (C-MAJURO HOSP)	PACIFIC TRUST TERRITORIES	N	1
		W TRUST TERR (D-MED CLINIC)	PACIFIC TRUST TERRITORIES	N	1
		W TRUST TERR (F-PROT YAP)	PACIFIC TRUST TERRITORIES	N	1
		W TRUST TERR (G-USCG LORAN)	PACIFIC TRUST TERRITORIES	N	1
TX	6	301 MAIN STREET	SOUTH HOUSTON	N	1
		ACRYLONITRIL SPILL	TEXAS CITY	N	1
		AGGIE CHEMICAL	SAN ANTONIO	N	1
		AMERICAN THIO-CHEM	FORT WORTH	N	3
		AMOCO DOCK 31	TEXAS CITY	N	1
		BARKER CHEMICAL	GRANDVIEW	N	1
		BESTPLATE INC.	HUTCHINS	N	2
		BESTPLATE INC.+	HUTCHINS	N	3
		BIO-ECOLOGY SYSTEMS, INC.	GRAND PRAIRIE	Y	1
		CARGO SHIP EXPLOSION	HOUSTON	N	1
		CHEMICAL DRUMS-PADRE ISLAND	BROWNSVILLE	N	1
		CRYSTAL CHEMICAL CO.	HOUSTON	Y	1
		CRYSTAL CHEMICAL CO.+	HOUSTON	Y	1
		CRYSTAL CITY AIRPORT	HOUSTON	Y	1
		CRYSTAL CITY AIRPORT+	HOUSTON	Y	1
		CRYSTAL CITY AIRPORT+	HOUSTON	Y	3

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TX	6	DEMPSEY RESIDENCE	PEARLAND	N	2
		FRENCH, LTD.	CROSBY	Y	1
		FRENCH, LTD.+	CROSBY	Y	1
		FRENCH, LTD.+	CROSBY	Y	1
		GENEVA IND/FURHMANN ENERGY CP.	HOUSTON	Y	1
		GENEVA IND/FURHMANN ENERGY CP.+	HOUSTON	Y	1
		GENEVA IND/FURHMANN ENERGY CP.+	HOUSTON	Y	1
		GENEVA IND/FURHMANN ENERGY CP.+	HOUSTON	Y	1
		GENEVA IND/FURHMANN ENERGY CP.+	HOUSTON	Y	1
		HERITAGE/LAUREL	FRIENDSWOOD	N	2
		HIGHLANDS ACID PIT	HIGHLANDS	Y	1
		HIGHLANDS ACID PIT	HIGHLANDS	Y	1
		HOLLEY RESIDENCE	PEARLAND	N	2
		HOUSTON SHIP CHANNEL	HOUSTON	N	1
		J & J PLASTICS	TURNEY	N	2
		JEFFERSON ROAD DRUM SITE	GRAND PRAIRIE	N	3
		LOVE RESIDENCE	FRIENDSWOOD	N	3
		MATAGORDA ISLAND	GULF COAST	N	1
		MIDNIGHT DUMP	PORT ARTHUR	N	1
		MOTCO, INC.	LA MARQUE	Y	1
		MOTCO, INC.+	LA MARQUE	Y	1
		MOTCO, INC.+	LA MARQUE	Y	1
		MOTCO, INC.+	LA MARQUE	Y	2
		MOTCO, INC.+	LA MARQUE	Y	1
		NEAR WILLS POINT	VAN ZANDT COUNTY	N	1
		NIAGARA CHEMICAL	HARLINGEN	N	2
		PADRE & MUSTANG (86)	GULF COAST	N	2
		PADRE & MUSTANG ISLANDS I	GULF COAST	N	1
		PADRE & MUSTANG ISLANDS II	GULF COAST	N	1
		PADRE & MUSTANG ISLANDS III	GULF COAST	N	1

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TX	6	PADRE ISLAND IV (LEGUNA MADRE)	GULF COAST	N	1
		PANTHER CREEK	GALLENO PARK	N	1
		PESSES CHEMICAL	FORT WORTH	Y	1
		PETRO-CHEMICAL SYSTEMS	LIBERTY COUNTY	Y	1
		PIRATES BEACH	GALVESTON IS.	N	2
		SENUTA RESIDENCE	FRIENDSWOOD	N	3
		SHIP CHANNEL	HOUSTON	N	1
		SIKES DISPOSAL PITS	CROSBY	Y	1
		SIKES DISPOSAL PITS+	CROSBY	Y	3
		SKYLARK (YATES RESIDENCE)	PEARLAND	N	2
		SOUTH ACRES	SOUTH HOUSTON	N	1
		SOUTH OF WACO	MCCLENNAN CTY	N	1
		STEWCO INC.	WASKOM	Y	1
		STYRENE SPILL	TEXAS CITY	N	1
		TEXARKANA WOODPRESERVING	TEXARKANA	Y	2
		TEXARKANA WOODPRESERVING+	TEXARKANA	Y	2
		TRIANGLE CHEMICAL CO.	BRIDGE CITY	Y	1
		TRIANGLE CHEMICAL CO.+	BRIDGE CITY	Y	1
		TRIANGLE CHEMICAL CO.+	BRIDGE CITY	Y	1
		WINKLER ROAD	PEARLAND	N	1
UT	8	GREEN RIVER CYANIDE	EMERY CITY	N	1
		MONTGOMERY WARD STORE	MONTICELLO	N	1
		RANDALL RESIDENCE	MONTICELLO	N	1
		WASATCH CHEMICAL CO. (LOT 6)	SALT LAKE CITY	Y	3
VA	3	C & R BATTERY CO. INC.	CHESTERFIELD COUNTY	Y	2
		CHESAPEAKE BAY	ASSATEQUE NATIONAL PARK	N	2
		GREENWOOD CHEMICAL CO.	NEWTOWN	Y	3
		HAMPTON CYLINDERS SITE	HAMPTON ROADS	N	1

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VA	3	LYNNHAVEN BAY	VIRGINIA BEACH	N	2
		MATHEWS ELECTROPLATING	SALEM	Y	3
		RHINEHART TIRE FIRE	FREDERICK COUNTY	Y	1
		ROANOKE RIVER DRUMS	ROANOKE	N	2
		TIDEWATER TNT	SUFFOLK	N	3
VI	2	ST. JOHN	VIRGIN ISLANDS	N	2
VT	1	CYANIDE INCIDENT	VERGENNES	N	1
		PINE STREET CANAL	BURLINGTON	Y	1
		SPRINGFIELD LANDFILL	SPRINGFIELD	Y	2
WA	10	ABANDONED DRUM	KALAMA	N	1
		AMERICAN SURPLUS	S. TOCOMA	N	1
		LAKE WASHINGTON DRUM	SEATTLE	N	3
		LAKE WASHINGTON SHIP CHANNEL	SEATTLE	N	2
		LITTLE LEAGUE PESTICIDE	ORCHARD	N	1
		MARROWSTONE ISLAND	PUGET SOUND	N	1
		NORTHWEST TRANSFORMER	EVERSON	N	1
		OLYMPIA PESTICIDE FIRE	OLYMPIA	N	2
		PALLISTER PAINT SITE	EVERETT	N	3
		PCB CONTAMINATION	WOODENVILLE	N	1
		SPOKANE DRUM FIRE	SPOKANE	N	1
		WESTERN PROCESSING CO., INC.	KENT	Y	1
		WILLIAMS & SON	BUCODA	N	1
WI	5	BETTER BRITE (CHIPEWA)	CHIPAWA	N	3
		BETTER BRITE-CHROME	DEPERE	N	2
		C-WAY	SPENCER	N	1
		CHEM SCIENCES	GERMANTOWN	N	3

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2 - covers removal actions completed from 10/01/86 to 9/30/87 (FY 87)
3 - covers removal actions completed from 10/01/87 to 9/30/88 (FY 88)

INDEX OF COMPLETED REMOVAL ACTIONS
SINCE THE BEGINNING OF SUPERFUND THROUGH FY 88 (1/1/80 - 9/30/88)

STATE	REGION	SITE NAME	CITY	NPL STATUS	ANNUAL REPORT *
WI	5	LAKEWOOD	LAKEWOOD	N	3
		LUBRICANTS INC.	WEST ALLIS	N	3
		MALLEABLE IRON	BEAVER DAM	N	2
		OAK CREEK	OAK CREEK	N	1
		OCONOMOWCO ELECTROPLATING INC.	ASHIPPIN	Y	2
		REUPING LEATHER CO.	FONDULAC	N	2
		REUPING LEATHER CO.+	FONDULAC	N	2
		RODGERS LABORATORIES	MILWAUKEE	N	1
		SCHMALZ DUMP	HARRISON	Y	1
		SPECTRO CHEM	OREGON	N	1
		TRY-CHEM	MILWAUKEE	N	3
		WAUSAU GROUNDWATER CONTAM	CITY OF WAUSAU	Y	1
WV	3	4-H CAMP TARPIT	UPSHUR CO.	N	3
		ATWELL MT. DRUM	ATWELL	N	3
		BIG JOHN'S SALVAGE	FAIRMONT	N	1
		BIG JOHN'S SALVAGE-HOULT RD.	HOLT ROAD	N	1
		BITTLE WELL CONTAMINATION	CHARLESTOWN	N	1
		CHESAPEAKE PCB	CHESAPEAKE	N	1
		CLARK PROPERTY	KANAWHA COUNTY	N	1
		COONS RUN	ADAMSONVILLE	N	1
		CUMMINGS SALVAGE YARD DUMP	SEDALIA	N	3
		EDWARDS ROAD SITE	COALBURG	N	2
		FRAZIERS BOTTOM PCB SITE	FRAZIERS BOTTOM	N	2
		GARFIELD STREET DRUM	MCMECHEN	N	3
		GREENBRIAR RIVER FLOOD	ALDERSON	N	1
		HARRIS PROPERTY	POCA	N	2
		HARRISON CO. PCB SPILL	HARRISON CO.	N	2
		HOLDER CORPORATION	ONA	N	1
		HOLDER CORPORATION+	ONA	N	1

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WV	3	INTERSTATE 70 ACID SPILL	WHEELING	N	1
		KABLETOWN ROAD	JEFFERSON COUNTY	N	2
		KEYSTONE DRIVE PESTICIDE DUMP	CHARLESTON	N	3
		LAKIN STATE FARM	CHESTER	N	3
		LEETOWN PESTICIDE	LEETOWN	Y	1
		MANILLA CREEK	POCA	N	1
		PETERSBURG FLOOD DEBRIS	PETERSBURG	N	3
		PRECIOUS METAL ABANDONED DRUMS	BECKLEY	N	3
		RAY YORK BODY SHOP DRUM	OAK HILL	N	3
		RICHARDSON PROPERTY	HUNTINGTON	N	1
		RIDGEVIEW PCB SITE	BOONE CO.	N	3
		SASSER ELECTRIC CO. DRUM	MT. HOPE	N	3
		SEMCO PCB SITE	CHESAPEAKE	N	1
		SEMCO PCB SITE+	CHESAPEAKE	N	1
		SHAFFER EQUIPMENT CO.	MINDEN	N	3
		STONEMAN PROPERTY	TYLER COUNTY	N	1
		UPPER GLADE DRUM	UPPER GLADE	N	3
		WALTER TAYLOR	NITRO	N	1
		WHEELING ACID SPILL	WHEELING	N	2
		WHEELING HILL	WHEELING	N	1
		YOKUM CHLORDANE CONTAMINATION	PETERSBURG	N	1
WY	8	ALLIED BARREL & CONTAINER CO.	BUFFALO	N	3
		ELLERBY REFINERY SITE	MORTON	N	1
		TRUCK ACCIDENT	ARLINGTON	N	1

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