

**THE STATUS OF THE FEDERAL SUPERFUND
PROGRAM**

HEARING
BEFORE THE
SUBCOMMITTEE ON
FINANCE AND HAZARDOUS MATERIALS
OF THE
COMMITTEE ON COMMERCE
HOUSE OF REPRESENTATIVES
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THE STATUS OF THE FEDERAL SUPERFUND PROGRAM

TUESDAY, MARCH 23, 1999

HOUSE OF REPRESENTATIVES,
COMMITTEE ON COMMERCE,
SUBCOMMITTEE ON FINANCE AND HAZARDOUS MATERIALS,
Washington, DC.

The subcommittee met, pursuant to notice, at 2:05 p.m., in room 2123, Rayburn House Office Building, Hon. Michael G. Oxley (chairman) presiding.

Members present: Representatives Oxley, Tauzin, Greenwood, Largent, Ganske, Shimkus, Wilson, Fossella, Blunt, Ehrlich, Bliley (ex officio), Towns, Engle, DeGette, Barrett, Luther, Capps, Pallone, and Rush.

Staff present: Nandan Kenkeremath, majority counsel; Amit Sachdeb, majority counsel; Anthony Habib, legislative clerk; Richard Frandsen, minority counsel; Alison Berkes, minority counsel, and Anne Zorc, minority legislative intern.

Mr. OXLEY. The subcommittee will come to order.

The Chair will recognize himself for an opening statement and then recognize members in order of appearance.

Our topic today is the Superfund Program, but it is not like we haven't been here before. This subcommittee has held over 25 hearings on Superfund over the past 6 years, both here in Washington and on the road. I am pretty sure I have been at all of them. Just call me the Cal Ripken of Superfund Reform.

The message we are likely to hear today is sites are finally starting to work their way through the pipelines. Given that a lot of those sites have been on the NPL since the 1980's, I would certainly hope that we would be seeing remedies finally being selected. Close to half are finally in a phase called "construction complete." Final cleanup remains in the distance, and the litigation pipeline in steering thousands of parties will remain for years and years.

The sad truth is that, during the nearly 20 years of CERCLA, we could have been cleaning up sites with greater speed and less waste while protecting people's health and the environment. Despite several rounds of administrative reforms, the Superfund statute itself remains fundamentally flawed. The liability scheme is unfair and is better suited to courtroom fights than cleanup sites.

The remedy selection process is often unrealistic, and Superfund creates disincentives and uncertainty for State and voluntary cleanups for a lot of the work that is getting done these days. The quality of our Nation's most prominent cleanup program does mat-

ter. When sites stay abandoned because of Superfund's vagaries, people suffer; neighborhoods suffer; cities and towns suffer.

I still believe that there is a bipartisan majority in the House and a broad number of stakeholders for significant changes in the Superfund statute. The litigation pipeline is still causing injustice. According to States, cleanup contractors, and realtors, Superfund is still creating a disincentive for thousands of brownfields sites. If we don't take the recommendations of the States and cleanup contractors to fix Superfund, cleanups will continue to languish and development will continue to push out into the pristine rural countryside.

Many Members of Congress have worked on a bipartisan basis over the last 6 years with State cleanup agencies, cleanup engineers, and dozens of experts to develop statutory changes that would make a real difference. Many of those proposals have lasting value and are worth exploring. We also have to realize that, for reforms to move forward, they need bipartisan support.

Today, we welcome Mr. Tim Fields in what I believe is his first appearance in front of the subcommittee since he was formally named as Assistant Administrator. We welcome back Peter Guerrero with the GAO, which has compiled an impressive body of work critiquing the Superfund Program. I also think it will behoove all of us to listen closely to the State perspective that will be presented by Ms. Claudia Kerbawy, who has traveled here from Michigan on behalf of ASTSWMO.

State agencies are cleaning up many more sites than the Federal Government at this time. States are closer to the problem, closer to local governments, and have less bureaucracy. Their efforts point to the way of the future. I will be turning to all of today's witnesses, other stakeholders, and members on both sides of the Chair for more information, the right formula, and the right opportunity for positive results.

Yogi Berra once observed it is all *deja vu* all over again. I hope that those in this room don't feel that way. Maybe it is because the optimist in me comes out during spring training, when all teams are equal and the Tigers have as good a shot at the World Series as anybody else, but I certainly think we can definitely improve on a status quo that has been unsatisfactory. I'm ready to play ball, if others are.

The Chair now recognizes the gentleman from New York, the ranking member of this subcommittee, Mr. Towns.

Mr. TOWNS. Thank you very much, Mr. Chairman. First of all, let me thank you for holding this hearing, and I would like to welcome our witnesses today to our oversight hearing on the current status of the Superfund Program.

In the last year, 31 additional non-Federal sites have been listed on NPL, as physical cleanup actions to mitigate threats to human health and the environment have taken more than 50 percent of the these newly listed sites. These statistics reflect tremendous progress on the ground in our neighborhoods, protecting the health of our citizens from toxic waste.

Mr. Chairman, it would be unwise and counterproductive to make comprehensive changes to the program at this point. Such changes would also likely lead to a slowdown in Superfund clean-

ups. This is a result I hope none of us wish for, even though delay may be a strategy employed by some of those responsible for contamination at certain sites.

Let us focus on brownfields and areas where we essentially agree on liability clarification for the prospective bona fide purchases and developers, innocent landowners, and contiguous property owners.

The President's budget invests approximately \$92 million in the cleanup and redevelopment of abandoned industrial sites through EPA's Brownfields Program, including \$35 million for the brownfields revolving loan fund, which helps communities leverage funds for the actual cleanup of brownfields sites.

We should ensure the successful program which has assisted 350 communities continues, with the full support of this Congress, by recognizing that over the last 4 years EPA has listed on the Superfund National Priorities List only those sites that the States are unwilling or unable to handle. It is important to acknowledge that the Federal Superfund statute has played a strong and important role in assisting State cleanups. Many State officials have informed Congress that the Federal liability scheme and the threat of NPL listing are important incentives to private parties to voluntarily clean up State sites. The General Accounting Office has recently reported similar findings to Congress.

Mr. Chairman, I look forward to hearing from the witnesses. I think this is a very important hearing and thank you very much for calling it.

Mr. OXLEY. The gentleman's time has expired. The gentleman from Ohio, Dr. Ganske.

Mr. GANSKE. Thank you, Mr. Chairman. Well, you are absolutely right, Mr. Chairman; we have held a lot of hearings in the last few years on comprehensive Superfund reform. And, you know, Mr. Chairman, when you have got the votes, you move comprehensive legislation, and after a while, when you don't, you start looking at fixing part of the problem. And so I'm in agreement with the ranking member, and in our conversations, I think that it is fair to say there is sentiment on the Republican side to look at a brownfields piece of legislation.

In Des Moines, Iowa, my home, there are brownfields. I see thousands and thousands of acres of the best farmland in the world, Grade A Iowa farmland being eaten up by a peripheral development around the cities every year, when those prior industrial sites in the center of our Iowa cities are going unused because of the brownfields problem.

And so, as we've discussed, Mr. Chairman, a number of us will be working on trying to craft a bipartisan piece of brownfields legislation this year that can pass and become law, and I look forward to working with you and the members on the other side on this issue.

I yield back.

Mr. OXLEY. The gentleman yields back. The gentleman from New Jersey, Mr. Pallone.

Mr. PALLONE. Thank you, Mr. Chairman, and as you said, we are here again, and although the members of this subcommittee may have changed somewhat, the topic really hasn't changed much and my attitude about Superfund hasn't changed. I personally remain

pleased with the direction of progress that EPA is making in the Superfund Program, particularly, in New Jersey and in my district.

I want to say that, as of December 1998, New Jersey has or has had 123 sites on the National Priorities List—more than any other State in the country—and 2 proposed NPL sites. In my district alone, there are nine sites. EPA's Region 2, which encompasses New York and New Jersey, contains 223 Superfund sites and 9 proposed sites. Of these, 75 sites, or 33 percent, have been cleaned up and deleted from the NPL or have all their construction completed and are undergoing long-term remediation.

Cleanup progress is evident, considering that at the end of fiscal year 1996 there were 42 sites completed and 60 complete sites by the end of fiscal year 1997. In addition, over 247 tons and 3.9 million gallons of products from abandoned sites were removed or treated. And in New Jersey alone, approximately 76 percent of our sites are either being cleaned up or are cleaned up, and mitigation work has been conducted at more than 10 percent of the sites, bringing the total percentage of sites in New Jersey at which physical work has been done to more than 85 percent.

All nine sites in my district have experienced some level of cleanup. They are either undergoing cleanup construction or have had threats mitigated by physical work, and in fiscal year 1998, three sites in New Jersey were deleted from the NPL.

I mention this because, obviously, I think that the EPA is doing a good job in terms of overall cleanup. A large number of the sites in New Jersey at which work has been completed have not been deleted from the NPL only because long-term monitoring is still going on or because long-term treatment of groundwater is still underway. And these monitoring effects may have been, or could continue to be, underway for many years. Nevertheless, such efforts are critical to protect human health and resources for current and future generations, and I believe that remedial measures undertaken now will minimize the extent and costs of future remedial actions.

Today, I know we are discussing the same issues surrounding the Superfund Program that we have discussed for years, and let's face it, cleaning up hazardous waste sites is not a simple task. We here in Congress need to decide what about the Superfund Program is more important—how long it takes to cleanup the site or whether that site gets cleaned up safely and to a level that protects kids and the environment. Obviously, I feel that the latter is more important and that's why I think it's important that, even though we have done a lot of cleanup, we have to still go at it with the remediation, the groundwater, and the other things to make sure that public safety and health are protected.

Now, I say that by way of background, because, I just want to say, in conclusion, that I believe this is not the time to roll back or significantly alter our Superfund Program. Substantial changes would only cause more unnecessary delays in cleaning up our Nation's Superfund sites. If anything, we need to ensure that our Federal program remains strong, is well funded, that the burden of site cleanups remains with the polluter—the potentially responsible party—and that we avoid any corporate carveouts.

So, at this point, I know this is an oversight hearing. Let me say that I think that we are moving forward in a substantial way, and that I would be fearful that any substantial changes to the Superfund Program, instead of going in a more progressive way, might actually do harm to the program. And for that reason, I am very suspect of any effort to make significant changes at this time.

Thank you, Mr. Chairman.

Mr. OXLEY. The gentleman's time has expired. The gentleman from Pennsylvania, Mr. Greenwood.

Mr. GREENWOOD. Thank you, Mr. Chairman. I also want to thank you for holding these hearings.

It is vital that we continue to work toward reform of the Comprehensive Environmental Response, Compensation, and Liability Act, better known as Superfund. Like many other members of the committee, my district has been directly impacted by the act. My suburban Philadelphia district of Bucks and Montgomery counties has eight National Priorities List sites alone, not to mention that we have four square miles of brownfield sites located in the southern portion of Buck County.

I am in full support of comprehensive Superfund reform. I think it is amazing to hear that some are not. I think the program has been a disaster, not only in what it has done wrong in the lives of innocent American citizens, but what it has failed to do at great expense. But I would like to direct my comments to once specific area of Superfund reform.

Of personal interest to me is the title in Superfund dealing with brownfields. My interest in this area is not driven just because of my intimate knowledge of the large area of abandoned or underutilized, once-prime commercial real estate in my district, and I thank the chairman for having brought this committee to my district to look at that problem, but also because returning America's original fields of dreams to active use is key to economic development. And as we all know, economic development leads to job creation, a drop in welfare rolls, a reduction in crime, and safer, healthier neighborhoods. In fact, economic development is a vital component of the fulfillment of the American dream, self-sufficiency, and opportunity. As long as these properties lie vacant, the dream will remain unfulfilled for many Americans who live and struggle to survive in these areas.

The brownfields program has many sources. Foremost among them is the Federal law itself. Under Superfund, the parties who currently own or operate a facility can be held 100 percent liable for any cleanup costs, regardless of whether they contributed to the environmental contamination and regardless of whether they were in any way at fault.

The imposition of this liability has led to tragic consequences, including the potential developers who recoil from any site with a history of industrial activity. It is simply not worth it for them to deal with the environmental exposure, when they have the alternative of developing in rural areas with no potential for liability.

In stark contrast to the Federal program, 32 States have launched so-called voluntary cleanup programs. Under these initiatives, property owners comply with State cleanup plans and are then are released from further environmental liability under State

law at the site. In fact, in the first year the Commonwealth of Pennsylvania enacted its brownfields program, it succeeded in cleaning 35 sites, again, in the first year.

Although many of these State laws have proven successful, States, businesses, and other experts have testified before this subcommittee that they could be far more effective if participation in a State voluntary cleanup program also included a release from Federal environmental liability. Therefore, it is imperative that any initiative to reform Superfund include a strong brownfields provision.

Once again, Mr. Chairman, thank you for holding this hearing today. I look forward to working with the committee in crafting legislation that will ensure a clean and safe environment for ourselves, for our children, and for generations to come.

Mr. OXLEY. The gentleman's time has expired. The gentlelady from Colorado, Ms. DeGette.

Ms. DEGETTE. Thank you, Mr. Chairman, and thank you for having this hearing on the Superfund site.

Today, I am pleased to say the program is running more efficiently and effectively than at any time in its history. In fact, by the end of the 106th Congress, it is projected that 90 percent of the non-Federal Superfund site listed as of September 30, 1997 will either have all construction completed or remedial construction undertaken. In addition, 3,800 emergency removal actions have been taken at sites not on the National Priorities List.

Responsible parties who perform the vast majority of long-term cleanups are saving the taxpayers billions of dollars, and by the end of fiscal year 2000, four times as many sites will have finished construction compared to the first 12 years of the program.

In Colorado, my home State, the pace of cleanup has accelerated in the last 6 years as well. Clearly, the success of this program has turned around during this administration, and improved human health and the environment at the vast majority of sites through the country. These tangible and significant results, they demonstrate the increase and effectiveness of the Superfund Program.

And I would like to talk for a minute about a site in Colorado. In the last year alone, the EPA has listed 31 additional sites, and 17 cleanup actions have been initiated to mitigate threats to human health and the environment. Recently, the EPA listed the I-70 and Vasquez site in Denver. I know that the EPA will work with the State of Colorado, the city of Denver, and especially the neighborhood, to ensure that remedy selected gives the highest level of protection to human health and the environment and takes into account how the remedy will affect property values in the years to come.

I remain concerned, however, Mr. Chairman, that the Federal Government hides behind the shield of sovereign immunity to protect itself from State enforcement of most environmental laws, and to that end, Mr. Chairman, I have today an article from the March 1999 National Environmental Enforcement Journal, published by the National Association of Attorneys General. I'd like to ask unanimous consent to insert that into the record, if I may.

Mr. OXLEY. Without objection.

[The article is retained in subcommittee files.]

Ms. DEGETTE. Thank you.

Federal facilities which aren't cleaned up to the same standards as other privately owned properties create a heightened risk for redevelopment and allow the Federal Government to shirk its responsibilities to communities across the country. Given the Federal Government's continued downsizing, sites which once housed Federal facilities are being transferred to the private sector, creating new opportunities, but also, frankly, new uncertainties.

Finally, I can't resist commenting on the brownfields discussion that we are having today, because that has been one of my main focuses in my career in Congress. I am encouraged to hear on both sides of the aisle that people want to pass brownfields legislation, and, in fact, had a conversation myself with the chairman of the full committee about this issue the other day. I understand, although I disagree, with some members' of this committee desire to attach brownfields to some kind of Superfund reauthorization. I have been here now 2 years and I haven't seen that reauthorization occur. I'm not optimistic that it will occur any time soon, but, yet, meaningful brownfields legislation continues to languish.

This would help all of us in our districts, rural and urban, throughout the country, and it would also help with some of the sprawl that we are seeing in areas like mine in Colorado. It would help stop greenfields from being developed at the expense of redevelopment of places like several I can think of in Denver.

And so I would urge you, Mr. Chairman, and this whole committee, to consider strongly working on bipartisan brownfields legislation and to move that ahead this Congress, irrespective of whatever action we may decide on Superfund reauthorization. I think the time is ripe. I think our constituents want it, and I think our businesses would welcome it. I think it is a win-win situation for everyone.

Thank you, Mr. Chairman. I yield back the balance of my time.

Mr. OXLEY. The gentlelady yields back. The gentleman from Missouri, Mr. Blunt.

Mr. BLUNT. Thank you, Mr. Chairman, and thank you for having this hearing on this topic.

Like many other Members of Congress, I have a number of sites in my district in southwest Missouri, and, of course, there is a number of sites in our State. I will say that generally our contacts with the agencies, the oversight agencies, are positive, and more positive than they may have been in the past, but I still think that our oversight responsibility is significant here. I think looking at the law to make the law better is an important goal for this committee and for this Congress to have.

We need an effective cleanup program. To have that kind of program is critical. To have a program that actually moves toward final cleanup is very important, and I think, Mr. Chairman, that we need more results rather than more verdicts. Maybe we need more mitigation and less litigation, as we try to solve this problem.

In oversight, our goals should not be to defend everything the government does. Our goal should be to make everything the government does better; that this program can be improved. Nobody on this committee, or in the Congress, or who works with the pro-

gram every day would begin to defend everything that happens in the program or everything in the law.

We need to take our oversight responsibility seriously. I'm pleased that you do that and glad that you're leading the committee in doing that, Mr. Chairman.

Mr. OXLEY. I thank the gentleman and recognize the gentlelady from California, Ms. Capps.

Ms. CAPPS. Thank you, Mr. Chairman, for holding this important hearing today.

I think it is useful to look back 20 years ago to when the Superfund was established to identify and clean up hazardous waste sites. Prior to Superfund, across the Nation were hundreds of toxic waste sites that threatened the environment and public health, and weakened the long-term health of local economies. While the clean-up process has been arduous, significant progress has been made in identifying and cleaning up many of our Nation's most hazardous waste sites.

As we approach a new millennium, it is estimated that 90 percent of the listed Superfund sites will have either construction completed or remedial construction underway. Over the last decade, the pace of cleanup has also increased significantly. In 1992, only 12 percent of listed non-Federal Superfund sites had completed construction. By the end of year 2000, 61 percent of these sites are expected to have all construction completed, a fourfold increase.

EPA, particularly under the current administration, has made considerable strides in improving the program with its administrative reforms. Furthermore, innovative programs such as EPA's Brownfields Initiative have proven successful in empowering States, communities, and other stakeholders through public-private partnerships to restore contaminated lands and spur economic development, greatly benefiting our local economies.

In my own district, Santa Barbara County is participating in a brownfields pilot program to restore the old town of Goleta as an economically vital, social, and cultural focus of the community.

While great advances have been made under the Superfund Program, there may be ways in which Congress might work with EPA to further improve upon this effort. For example, while cleanup is proceeding at the majority of Superfund sites, a great deal of litigation is also ongoing. This specter of litigation can be particularly burdensome to smaller parties, municipalities, and businesses. However, any effort to improve upon Superfund must not weaken cleanup standards established to protect human health and the environment.

I believe that it is worth exploring ways in which we can try to reduce the amount of litigation to achieve what I think is the shared goal of everyone, to clean up as many sites as we can as quickly as possible to protect public health, the environment, and local economies. I look forward to working with my colleagues as we address this most important issue.

I yield back the balance of my time.

Mr. OXLEY. The gentlelady yields back. Thank you very much. The gentleman from Maryland, Mr. Ehrlich.

Mr. EHRLICH. I have no prepared statement, Mr. Chairman, other than to say I look forward to this hearing an awful lot. There

is an awful lot to say. Many members of this subcommittee are interested in moving one or more bills, as we have discussed, and I congratulate you with respect to your leadership on this issue. I hope we can work in a bipartisan way, and I trust that we can, to really, at the very least, move the brownfields bill out of this subcommittee and the full committee over the next couple of months.

I appreciate the time.

Mr. OXLEY. The gentleman yields back, and we now—

Mr. TOWNS. Mr. Chairman, may I ask unanimous consent that we leave the record open for additional statements for members?

Mr. OXLEY. Without objection, it would be the desire of the Chair to have any opening statements be made part of the record.

[Additional statements submitted for the record follow:]

PREPARED STATEMENT OF HON. PAUL GILLMOR, A REPRESENTATIVE IN CONGRESS
FROM THE STATE OF OHIO

Mr. Chairman, I want to thank you for calling this hearing. Comprehensive Superfund reform is just as important today as it was when this panel first tried to accomplish it in the 103rd Congress. We both have sat on the hazardous materials panel of this committee for several Congresses and know just how broken a program that Superfund reform is.

Superfund is the quintessential government program that spends way too much as its accomplishes far too little. In the meantime, the agency that administers it has resisted even modest proposals for change on political grounds. This is the worst possible scenario for the taxpayers, hazardous waste rots in the ground while lawyers and bureaucrats quibble over how to divide the spoils.

We need a Superfund program that recognizes its faults and works to correct them. Whatever has happened in the past needs to be understood, honestly evaluated, and changed. Back when Superfund was first created, the Federal government was asked to respond to an emergent local concern. Today, Superfund has grown into a program that often responds without asking, cleans out without cleaning up, and begins without ending. We need a hazardous waste program that works for us and meaningful reform is the only way to make that a reality.

I am very interested to hear from the Clinton Administration's witness on how we no longer need to comprehensively reform this program. It has been my experience, and that of the Government Accounting Office and EPA's own Inspector General that EPA is spending less than 50 cents on the dollar on actual dirt moving, Superfund cleanup. This is bad enough, but when you combine this fact with acknowledged slowness in cleaning up sites, a nightmare of a liability system, and clean up standards that defy logic, Superfund reform becomes more of an imperative than a slogan. I think that if the Administration is willing to walk away from correcting this mammoth program, this committee and the American public deserve a good explanation as to why.

I am also looking forward to hearing from the Government Accounting Office on the Superfund program. In the last Congress, GAO provided some of the most damning evidence as to what Superfund was not doing and why Congress needed to step in and make it better. It is important that our discussion on Superfund be current and extensive. This committee should be fully aware of all the things that Superfund is doing, both good and bad, so a reformed program will encourage more cleanups, not prohibit them.

Again, Mr. Chairman, thank you for calling this important hearing. Major, structural reforms to Superfund remain a concern today and should be for all those who care about the environment.

PREPARED STATEMENT OF HON. STEVE LARGENT, A REPRESENTATIVE IN CONGRESS
FROM THE STATE OF OKLAHOMA

Mr. Chairman, today's hearing reminds me of Yogi Berra's famous line, "It's *deja vu* all over again." Over the past six years, in an attempt to reform the current Superfund program, the House and Senate committees with jurisdictional authority over Superfund have held over sixty hearings on this issue. Clearly, these hearings have borne out one unquestionable fact—Superfund is not working. Despite expendi-

tures in the billions of dollars, Superfund has failed to clean up more than a small fraction of the nation's worst hazardous waste sites.

This Subcommittee has heard testimony from numerous Members, on both sides of the aisle, chronicling the bureaucratic nightmare that states, localities, and businesses face when ensnared in the Superfund web.

One of most troubling aspects of the current Superfund program is its liability system. A system which promotes litigation rather than remediation of hazardous waste sites. Before the enactment of Superfund in 1980, only 2000 lawyers specialized in environmental law. Today, this number has grown to 18,000. A boom to the legal profession, but a boondoggle to those who actually want to clean up toxic waste sites. Under the present system of strict, joint and several, and retroactive liability, the EPA is provided with a multitude of Potentially Responsible Parties or PRPs who have a strong incentive to sue each other to minimize their own liability—rather than pay for actual cleanup. In addition, lender liability has contributed to the “brownfields” problem which plagues many of our cities and communities across the country. Fear of being identified as a PRP has created a situation where banks and other lending institutions are unwilling to loan resources to the redevelopment of many urban industrial areas.

It is obvious that Superfund in its current form does not bear any resemblance to a “polluter pays” approach, but instead places fault on a vast array of individuals, including those who were acting in an environmentally responsible manner. To me it defies common sense to impose penalties on a company which was acting legally at the time, but because of a subsequent change in law, is now held liable for millions of dollars. It is this type of heavy-handed behavior that restricts economic growth and greatly diminishes employment opportunities.

Going hand-in-hand with liability reform is the need for improved remedy selection and the use of risk assessment based on sound science. Any Superfund reform must provide for the prioritization of sites based on an actual threat to human health and the environment, rather than exaggerating the risk based on some hypothetical model that if a child eats a handful of dirt each day for a year, there then is the possibility of contracting cancer.

It is also essential that we give states a greater role in the Superfund program. By nature, hazardous waste sites are local problems that, in most cases should be addressed at the state and local levels. Reassessing the role of the federal and state governments would allow an opportunity to provide more accountability of government expenditures on the Superfund program. In this respect, a shift in responsibility of the Superfund program does not equate to transferring the existing program to the state level. States would be better served to develop their own systems to address hazardous waste, including the use of better risk assessments, as well as ways to reduce transaction costs and inefficiencies of the federal program.

Finally, as someone who represents a district that is heavily reliant on the oil and gas industry, I am extremely concerned about the possibility of reauthorizing the Superfund taxes without Superfund reform. It is estimated that the petroleum industry is responsible for less than 10 percent of the contamination at Superfund sites; yet the industry has historically paid over 50 percent of the taxes that support the Trust Fund. Considering the current state of the domestic oil and gas industry, it is patently unfair for an already beleaguered industry to pay a disproportionate share of the costs without corresponding reform.

Mr. Chairman, I sincerely hope that we do not have to wait another six years and hold another sixty hearings before we move forward with Superfund reform. Mr. Chairman, I commend you on your diligence with this issue, and I look forward to hearing from our witnesses.

PREPARED STATEMENT OF HON. JOHN SHIMKUS, A REPRESENTATIVE IN CONGRESS
FROM THE STATE OF ILLINOIS

Mr. Chairman, I want to thank you for holding this hearing on the Superfund program. As a relatively new Member of Congress, I have often heard horror stories from other Members about how the Superfund program turns communities upside down.

Although I know that this will sound all too familiar to the Committee, I wanted to share with everyone how the Superfund horror story has played out in Quincy, a small Mississippi River town in the western part of my district in Illinois.

This past February, the Environmental Protection Agency came to Quincy, Illinois and levied a proposed order seeking \$3 million from 165 local businesses. The order alleged that these businesses contributed small (de minimis) amounts of waste to the Adams/Quincy Landfill in the late 1960's and 1970's. In fact, none of the parties

violated any laws doing so. In many instances, these businesses paid municipal waste management companies to dispose of this waste.

Nearly eight years after the landfill closed, EPA began working with the city and several of the larger waste contributors to clean up the site. In 1990, EPA placed the site on the Superfund National Priorities List (NPL). These groups have already paid in about \$6 million, and EPA estimates it will cost about \$10 million to finish the job.

This is where the proposed order comes into play. Superfund allows EPA and the other potential responsible parties (PRPs) to seek contributions from other PRPs, even innocent small businesses, to pay for this cleanup. The Agency has asked Quincy's small business owners, including such family-run businesses as bowling alleys, dairy farms and family restaurants, to pay as much as \$150,000 per company, despite the fact that these businesses did nothing wrong.

For some of these businesses, the amounts they are being asked to pay will mean the difference between being in the black or in the red for the year—and that means this law is costing people their jobs and their livelihood. Even worse is that even if these parties consent to EPA's demands, they still risk the possibility of further lawsuits in state courts, and/or being pursued by the Illinois EPA.

Mr. Chairman, as a result of the Quincy Superfund nightmare, I was forced to call all of the groups together, including the EPA, the city of Quincy and the small businesses, to try to get appropriate answers from the EPA. However, I remain very concerned about several aspects of the Superfund program:

1. The powers granted to the EPA to essentially pursue action against small businesses who have broken no laws, and who were given no fair warning of the Superfund action;
2. Next is the process by which EPA collects Superfund information. In Quincy, the EPA pursued only those businesses who had kept good records on waste management. This haphazard method of information gathering is very suspect;
3. Finally, and most importantly, the Superfund program has become a litigation nightmare. Many small businesses in Quincy are feeling the squeeze of the proverbial Superfund vice, and it is costing jobs and killing small businesses, which are the lifeblood of small towns like Quincy, Illinois.

Mr. Chairman, I want to thank you for your guidance and leadership on this important effort, and I look forward to working with you in any way possible to make Superfund reform a reality.

To my colleagues, I want to say that it is often the struggling small businesses like those in Quincy who have the least time and the most difficulty paying for what the EPA judges as their share of Superfund cleanup. While it may be too late to rescue many of the small businesses in Quincy from the Superfund nightmare, we must act soon, as your district may be the next stop in the Superfund road show.

PREPARED STATEMENT OF HON. TOM BLILEY, CHAIRMAN, COMMITTEE ON COMMERCE

Thank you Mr. Chairman. We're here to find out where we are with the Superfund program. I have to admit I have some strong ideas about that.

What I think is that Superfund is a statute with fundamental flaws. Its liability scheme has created 20 years of litigation which has hurt people, particularly small businesses, and delayed cleanup of toxic waste sites. Superfund also creates barriers and disincentives to voluntary cleanups, State cleanups, and community redevelopment. The program's unrealistic cleanup requirements not only create unnecessary burdens and waste for sites on the National Priorities List, but also for other cleanups across the country. States and clean-up contractors themselves have made these points very clear to us.

Mr. Chairman, one has only to review the extensive record that your Subcommittee has compiled to know that Superfund has been a public policy embarrassment for 20 years. The questions are: where are we now, and where should we put our energy for change? These are not issues we can avoid.

It is time to get on with the business of cleaning up America's toxic waste sites. Over the next few years, the Trust Fund will run out of money. We must work with all parties to develop a viable plan to replenish this fund. The Subcommittee should listen carefully to today's witnesses and to other interests.

We must focus on ways to enact meaningful reforms that make the federal program more fair, effective and efficient, that help States, and that eliminate barriers to redevelopment and cleanup.

We may not be able to fix all of the problems with Superfund in our current political climate, but I believe strongly that we can do a better job with the program, and that a bipartisan majority wants to fix what we can in the 106th Congress.

PREPARED STATEMENT OF HON. JOHN D. DINGELL, A REPRESENTATIVE IN CONGRESS
FROM THE STATE OF MICHIGAN

Over the past 18 months, the General Accounting Office (GAO) has surveyed 3,036 potential National Priorities List (NPL) caliber toxic waste sites. Representative Manton and I requested this survey to determine the status of cleanups at these state sites and to answer the important question of whether it is likely that the site will need to be cleaned up by the federal Superfund program. This is the most comprehensive study conducted to date that helps inform Congress about the future size of the Superfund National Priorities List.

The GAO findings mean that there will likely be far fewer sites that will need to be addressed in the future by the federal Superfund program than was previously estimated.

The next Congress will need to look at the Superfund program in light of these findings, the significant progress in cleanups completed or underway, and the extensive number of sites with all final cleanup remedies selected as reported by the GAO recently.

Assuming adequate funding, the approximately 1,200 non-federal existing sites are expected to have all construction activities largely completed within the next five years. As of September 30, 1998, 585 sites had completed all construction activities. In August of this year, the GAO reported that all final cleanup remedies will have been selected for about 95 percent of the non-federal sites and for about 67 percent of the federal sites as of September 30, 1999.

These findings suggest that comprehensive and radical reform at this point would be unwise, counter-productive, and likely lead to a slowdown in Superfund cleanups.

While pointing to far fewer NPL sites, the GAO report does identify a significant number of sites needing to be addressed or further evaluated by state cleanup programs. The Federal Superfund statute has played a strong and important role in assisting state cleanups. Many state officials have informed Congress that the Federal liability scheme and the threat of NPL listing are important incentives for private parties to voluntarily clean up state sites.

This report also provides valuable information to assist the EPA in prioritizing site evaluations and in planning for the future personnel and contracting adjustments that will be necessary.

The GAO survey provides information that bears directly on the question of how many of the 3,036 sites are anticipated to be listed on the NPL and thus be addressed by the federal Superfund program:

- 41 percent or 1,234 sites should be deleted from EPA's database immediately because final cleanup actions are completed or underway, no cleanup is needed, or they have already been screened out by the EPA ranking criteria.
- Of the remainder, 232 sites (or less than 8 percent of the total) were identified by either a state or EPA as likely to need cleanup as a Superfund NPL site. Eight of the 232 sites are federal facilities. The 232 sites are listed in Appendix III (pp. 320-349) of the report.
- However, of the 232 sites only 26 sites had agreement between the state and EPA that the site was a likely candidate for listing on the Superfund NPL. Under EPA's current policy, the Governor of the state must generally concur in the listing.
- In addition to the 26 sites where there was agreement, EPA officials identified 106 other sites they believed were likely candidates for the Superfund NPL. However, for 38 percent of these sites, the state directly disagreed with EPA. For the remainder of these sites the state did not respond or its position was unknown.
- In addition to the 26 sites where there was agreement, state officials identified 100 other sites they believed were likely candidates for the Superfund NPL. Over half of these sites are located in only two states—Florida and Illinois.
- Of the 232 sites cited as possible NPL candidates, 78 sites (34 percent) were identified as low, average, or unknown risk which makes their candidacy as NPL sites less likely than if they present high health or environmental risk.
- Of the 232 sites cited as possible NPL candidates, 154 sites (66 percent) have no identified responsible party or no responsible party whom officials believe is able and willing to conduct cleanup activities.
- In a November 1997 press release the Association of State and Territorial Solid Waste Management Officials stated that "the vast majority (95.6%) of sites listed on the Comprehensive Environmental Response Compensation and Liability Act Information System (CERCLIS) do not warrant listing on the National Priorities List".

The GAO solicited information from both the states and the relevant Environmental Protection Agency (EPA) Region using detailed written questionnaires for each of the more than 3,000 sites.

Mr. OXLEY. Mr. Fields, come on up.

Mr. FIELDS. Thank you, Mr. Chairman.

Mr. OXLEY. The Chair is now pleased to recognize our first witness, Mr. Tim Fields, Assistant Administrator of the Office of Solid Waste and Emergency Response at U.S. EPA—and I think, as I indicated in my opening statement, your first appearance in your new capacity before the subcommittee. So, welcome back Mr. Fields.

STATEMENT OF HON. TIMOTHY FIELDS, JR., ASSISTANT ADMINISTRATOR, OFFICE OF SOLID WASTE AND EMERGENCY RESPONSE, ENVIRONMENTAL PROTECTION AGENCY

Mr. FIELDS. Thank you, Mr. Chairman. It is truly a pleasure to be here, and also, I welcome Mr. Towns as the ranking Democratic member and the other members of the subcommittee today.

I am pleased to discuss the current status of the Superfund Program and highlight the significant progress we believe has been made in cleaning up toxic waste sites in this country. First, we believe that we have fundamentally changed how the Superfund Program operates through three rounds of administrative reforms we began in 1993. We have increased the pace of cleanup from 65 sites a year to 85 construction completions a year. Ninety percent of the Superfund sites are either construction-complete or have construction underway. Today, Superfund has 592 sites that are construction-complete, an additional 461 sites where construction is underway, and 213 sites where an emergency response or removal action has been taken to deal with response.

We plan to have, as this chart indicates, 670 cleanups completed at the end of fiscal year 1999, the year we are in right now. EPA expects that more than 85 percent of the current NPL will have been completed by the year 2005. That's more than 1,180 sites where construction is complete.

The construction-completion measure was adopted by the Bush administration and continued by the Clinton administration. Three Assistant Administrators have agreed that it is the best indicator of Superfund Program performance. This remarkable progress that has been documented is not relegated to a few States, but has been done across the country.

Mr. Chairman, I am told that in Ohio we have had tremendous success. Eighty percent of the Superfund sites have cleanup construction completed or underway in Ohio. Out of 35 Ohio NPL sites, we intend to have 33 of 35 sites with construction completed or underway at the end of this Congress. Not only has EPA been able to significantly increase the number of Superfund sites cleaned up through the administrative reform agenda, but we have reduced the time it takes to go through the process by 20 percent—ten years, 6 years ago; 8 years now from the time we list the site until we get construction completion. One-hundred eleven sites that we listed in the 1990's are now construction-complete, having been done in 8 years or less. Completion of these sites reflects the improved pace of cleanup in the Superfund Program.

Not only have we reduced time, but we have reduced costs. The cost of cleanup has been reduced by 20 percent. Over the last 3 years alone, at more than 200 Superfund sites we have achieved projected cost savings of more than a billion dollars in 3 years alone. This tremendous progress has been achieved without sacrificing and providing added expense to the American taxpayer. We have continued our Enforcement First Strategy. It has produced remarkable results over the last many years. We have achieved more than \$15.5 billion in responsible-party settlements for cleanup and cost-recovery settlements. That is \$15.5 billion that the American taxpayer does not have to spend or does not have to be appropriated from Congress.

While EPA has been successful in implementing that reform agenda, we have not ignored the effects Superfund liability may have on some small parties. We have aggressively worked to achieve 400 settlements over primarily the last 4 years, 65 percent of those being in the last 4 years. Eighteen thousand small-volume contributors have been settled out. We have offered \$145 million in orphan share funding to forgive past costs and oversight costs at 72 sites. So we've been real fair with all parties involved in the process.

Given this remarkable turnaround, we believe that the administrative reform agenda should continue and it is currently not necessary to have comprehensive Superfund legislative reform. Comprehensive Superfund legislative reform, even if well-intentioned, we believe would halt or delay the cleanup progress we see today. The result is simply unacceptable to the American people and to those in Congress, we know, as well as the administration.

We believe that Superfund legislation, if enacted, should be limited to targeted liability relief with provisions that address prospective purchasers of contaminated property, liability relief for innocent landowners, liability relief for contiguous property owners, and liability relief for small municipal waste generators and transporters.

These liability provisions could be enacted and still allow us to continue the pace of cleanup, provide the fairness we want, and help in effectuating redevelopment. We believe these provisions have achieved consistent, bipartisan support and have appeared in the Superfund legislation that has been introduced in the last three Congresses. These provisions would build upon the success of the Superfund administrative reforms without halting or delaying cleanup.

Of equal importance is the need, we believe, to reinstate the expired Superfund taxes, which expired December 31, 1995. The Superfund Program should have a reliable source of funding for the cleanup of toxic waste sites in this country without shifting these costs to the general taxpaying public.

Mr. Chairman and members of the subcommittee, we are proud of the progress the Superfund Program has been able to achieve over the last 6 years. We look forward to working with Congress to build upon that reform agenda, and in the context of the program as we see it today, we believe that narrowly targeted Superfund legislation is the best way to continue that agenda and protect the

American people, and finish the job of cleaning up toxic waste sites in this country.

Mr. Chairman, I thank you for the time and look forward to responding to questions.

[The prepared statement of Hon. Timothy Fields, Jr., follows:]

PREPARED STATEMENT OF TIMOTHY FIELDS, JR., ACTING ASSISTANT ADMINISTRATOR,
OFFICE OF SOLID WASTE AND EMERGENCY RESPONSE, ENVIRONMENTAL PROTECTION AGENCY

Introduction

Good afternoon, Mr. Chairman, and Members of the Subcommittee. I am pleased to have this opportunity to appear before you to discuss the Agency's record of accomplishments over the past several years in fundamentally improving the Superfund program.

Before addressing the successes of the current Superfund program, I believe it is important to recognize, from the outset, Superfund's mission. Superfund is an important, and above all, necessary program, dedicated to cleaning up our nation's hazardous waste sites, including those caused by the Federal government, and protecting public health and the environment. EPA has worked closely with the Agency for Toxic Substances and Disease Registry (ATSDR) in evaluating the impacts of these sites on public health. Superfund site impacts are real. ATSDR studies show a variety of health effects that are associated with some Superfund sites, including birth defects, cardiac disorders, changes in pulmonary function, impacts on the immune system (the body's natural defense system from disease and sickness), infertility, and increases in chronic lymphocytic leukemia. EPA also works with other federal agencies to assess the significant adverse impacts Superfund sites have had on natural resources and the environment. Together, the efforts of these agencies, working with EPA, provide the basis for targeting cleanups to protect public health and the environment, and show the need for Superfund.

SUPERFUND PROGRESS

The Superfund program is making significant progress in cleaning up hazardous waste sites and protecting public health and the environment. EPA has significantly changed how the Superfund program operates through three rounds of administrative reforms which have made Superfund a fairer, more effective, and more efficient program. EPA has made considerable progress in cleaning up sites on the National Priorities List (NPL). The Agency has gone from cleaning up 65 sites per year to cleaning up 85 sites per year. As of March 17, 1999 more than 89% of the sites on the final NPL are either undergoing cleanup construction (remedial or removal) or are completed:

- 592 Superfund sites have reached construction completion.
- 461 Superfund sites have cleanup construction underway;
- An additional 213 sites have had or are undergoing a removal cleanup action.

By the end of the 106th Congress EPA will have completed construction of all cleanup remedies at approximately 61% of all non-Federal sites currently on the NPL.

In addition, approximately 990 NPL sites have final cleanup plans approved, and approximately 5,600 removal actions have been taken at hazardous waste sites to stabilize dangerous situations and immediately reduce the threat to public health and the environment. More than 30,900 sites have been removed from the Superfund inventory of potentially hazardous waste sites to help promote the economic redevelopment of these properties.

Increasing the Pace of Cleanups

The Superfund program is making significant progress in accelerating the pace of clean up while ensuring protection of public health and the environment. Our analyses clearly show that Superfund cleanup durations have been reduced approximately 20%, or two years on the average. Almost three times as many Superfund sites have had construction completed in the past six years than in all of the prior years of the program combined. In fact, in large part because of our administrative reforms, EPA will have completed construction at more than 85% of the sites on the current NPL by 2005.

The accelerated pace of cleanup is demonstrable. In only two years, FY 1997 and FY 1998, EPA completed construction at 175 sites—more than during the entire first 12 years of the program (149 sites).

- Seventy-two percent (128) of the sites are designated enforcement lead, demonstrating the success of both the “enforcement first” policy and the numerous enforcement reforms.
- One hundred and eleven of these sites were added to the NPL during the 1990s. Completion of these sites in less than eight years reflects improvements in the pace of Superfund cleanups.

Private Party Funding

EPA’s “Enforcement First” strategy has resulted in responsible parties performing or paying for approximately 70% of long-term cleanups, thereby conserving the Superfund Trust Fund for sites for which there are no viable or liable responsible parties. This approach has saved taxpayers more than \$15.5 billion to date—more than \$13 billion in response settlements, and nearly \$2.5 billion in cost recovery settlements.

Protecting Human Health and the Environment

The accomplishments in protecting human health and the environment are significant. Environmental indicators show that the Superfund program continues making progress in hazardous waste cleanup, reducing both ecological and human health risks posed by dangerous chemicals in the air, soil, and water. The Superfund program has cleaned over 132 million cubic yards of hazardous soil, solid waste and sediment and over 341 billion gallons of hazardous liquid-based waste, groundwater, and surface water. In addition, the program has supplied over 350,000 people at NPL and non-NPL sites with alternative water supplies in order to protect them from contaminated groundwater and surface water.

ADMINISTRATIVE REFORMS

Through the commitment of EPA, State, and Tribal site managers, other Federal agencies, private sector representatives, and involved communities, EPA has made Superfund faster, fairer, and more efficient through three rounds of administrative reforms. Several years of stakeholder response indicates that EPA’s Superfund Reforms have already addressed the primary areas of the program that they believe needed improvement. EPA remains committed to fully implementing the administrative reforms and refining or improving them where necessary. EPA will be releasing its Annual Report on the status of Administrative Reforms for fiscal year (FY) 1998 within the next several weeks. Below are some of the highlights from the 1998 Annual Report.

Remedy Review Board

EPA’s National Remedy Review Board (the Board) is continuing its targeted review of complex and high-cost cleanup plans, prior to final remedy selection, without delaying the overall pace of cleanup. Since the Board’s inception in October 1995, it has reviewed a total of 33 site cleanup decisions, resulting in estimated cost savings of approximately \$43 million.

Updating Remedy Decisions

In addition to the work of the Board, EPA has achieved great success in updating cleanup decisions made in the early years of the Superfund program to accommodate changing science and technology. In fact, the Updating Remedy Decisions reform is one of EPA’s most successful reforms, based on its frequent use and the amount of money saved. After three years of implementation, more than \$1 billion in future cost reductions are estimated as a result of the Agency’s review and update of remedies at more than 200 sites. It is important to stress that the future cost reductions described above can be achieved without sacrificing the protection of public health, and the current pace of the program.

Remedy Selection

The Superfund program is selecting remedies that require treatment in fewer instances, focusing on treatment of toxic hot spots. Treatment remedies were included in less than 50% of the Records of Decision completed in fiscal year 1997. Even within the current statutory framework providing for a preference for treatment of waste and permanent solutions to the maximum extent practicable, costs of cleanups are decreasing dramatically because of a number of factors, including: the use of presumptive remedies; the use of reasonably anticipated future land use determinations, which allow cleanups to be tailored to specific sites; the use of a phased approach to defining objectives and methods for ground water cleanups. As a result of these factors, EPA has reduced the cost of cleanup by approximately 20 percent.

Promoting Fairness Through Settlements

EPA has addressed the concerns of stakeholders regarding the fairness of the liability system by increasing the use of the Agency's settlement authorities. EPA has negotiated more than 400 *de minimis* settlements with over 18,000 small volume contributors (66% of these in the last four years), protecting these parties from expensive private contribution suits. EPA continues to use its settlement authority to remove small volume waste contributors from the liability system, responding to the burden third-party litigation can place on parties that made a very limited contribution to the pollution at a site. EPA continues to step in to prevent the big polluters from dragging untold numbers of the smallest "de micromis" contributors of waste into contribution litigation by publicly offering to any de micromis party \$0 (i.e., no-cost) settlements that would provide protection from lawsuits by other PRPs. The real success of this approach is to be measured by the untold number of potential lawsuits that have been discouraged.

Orphan Share Compensation

Since fiscal year 1996, EPA has offered orphan share compensation of over \$145 million at 72 sites to responsible parties willing to negotiate long-term cleanup settlements. EPA will continue the process at every eligible site. Through 1998, EPA has collected and placed \$399 million in 115 interest bearing special accounts for site specific future work. In addition, over \$69 million in interest has accrued in these accounts. This reform ensures that monies recovered in certain settlements are directed to work at a particular site. At a number of sites, this money can make a great difference in making settlements work. In FY98, EPA set aside and then spent more than \$40 million of Superfund response money in new settlements for mixed work or mixed funding.

REAUTHORIZATION

The success of EPA's administrative reforms and the resulting improvements in the Superfund program have fundamentally altered the need for Superfund reauthorization legislation. In the 103rd Congress, the Clinton Administration proposed a five-year reauthorization of Superfund that reflected program needs at that point in time. When Congress did not pass Superfund legislation, EPA implemented a series of reforms administratively. Accordingly, the legislative provisions proposed by the Administration in the 103rd Congress are now very out of date, and the five-year authorization period that would have been provided in that bill has now ended. Many of the provisions in the bill, and in other Superfund reform bills, were designed to fix problems that have been addressed through the Superfund Administrative Reforms. As the result of the progress made in cleaning up NPL sites in recent years, and the program improvements resulting from administrative reforms, there is no longer a need for comprehensive legislation. Comprehensive legislation could actually delay clean ups, create uncertainty and litigation, and undermine the current progress of cleaning up Superfund sites.

Legislation to support the President's Budget is needed to reinstate the Superfund taxes, and provide EPA with access to mandatory spending. As part of Superfund reauthorization, the Administration would support targeted liability relief for qualified parties that builds upon the current success of the Superfund program. The Administration would support provisions that address:

- prospective purchasers of contaminated property
- innocent landowners
- contiguous property owners, and
- small municipal waste generators and transporters

OTHER SUPERFUND PROGRAM ACCOMPLISHMENTS

States

EPA continues to work with States and Indian tribes as key partners in the clean-up of Superfund hazardous waste sites. EPA is continuing to increase the number of sites where States and Tribes are taking a lead role in assessment and cleanup using the appropriate mechanisms under the current law. With the May 1998 release of the "Plan to Enhance the Role of States and Tribes in the Superfund Program," the Superfund program is expanding opportunities for increased State and tribal involvement in the program. Fourteen pilot projects with States and Tribes have been initiated through this plan.

Community Involvement

The Superfund program is committed to involving citizens in the site cleanup process. EPA strives to create an open decision-making process to clean up sites that fully involves the communities, provides the community timely information, and improves the community's understanding of the potential health risks at hazardous waste sites. This is accomplished through outreach efforts, such as holding public meetings and distributing site-specific fact sheets. It has been enhanced through the successful implementation of reforms such as our EPA Regional Ombudsmen who continue to serve as a direct point of contact for stakeholders to address their concerns at Superfund sites, our Internet pages which continue to provide information to our varied stakeholders on issues related to both cleanup and enforcement, as well as our Technical Assistance Grants (TAGs), Community Advisory Groups (CAGs), Restoration Advisory Boards (RABs) and Site-specific Advisory Boards (SSABs).

The TAG program provides eligible community groups with financial assistance to hire technical consultants to assist them in understanding the problems and potential solutions to the contamination problems. EPA has awarded 202 TAGs to various groups since the program's inception in 1988. The Agency plans to publish revisions to the TAG regulation in the Spring of 1999 intended to further simplify the TAG program.

The CAG serves as a public forum for representatives of diverse community interests to present and discuss their needs and concerns related to the Superfund site with Federal, State, Tribal and local government officials. The number of sites with CAGs increased by over 50 percent before the CAG program was officially taken out of the pilot stage. In FY98, 14 new CAGs were created at non-federal facility sites, bringing the total to 47.

Community Involvement at Federal Facilities

The Superfund Federal facilities response program recognizes that meaningful public participation is dependent on the various stakeholder groups having the capacity to participate effectively. The program has entered into partnerships and awarded cooperative agreement grants to State, local, tribal associations, and community based organizations. The grants focus on training for impacted communities, participation of citizens on advisory boards, access to information and implementation of the Federal Facility Environmental Restoration Dialogue Committee (FFERDC) principles. These grants offer the opportunity to leverage precious resources, build trust and reach a wider audience.

The Superfund Federal facilities response program is a strong proponent of involving communities in the restoration decision-making process and recognizes that input from Restoration Advisory Boards (RAB) and Site-Specific Advisory Boards (SSAB) has been essential to making response decisions and, in some cases, reducing costs. Increasing community involvement, Restoration Advisory Board/Site-Specific Advisory Board support (RAB/SSAB) and partnering with states, tribes and other stakeholders is a high priority activity for FFRRO. There are over 300 RABs and 12 SSABs throughout the country.

REVITALIZING AMERICA'S LAND

Brownfields

EPA not only cleans up toxic waste sites through the Superfund program but also helps communities clean up and develop less contaminated brownfields sites. The Brownfields Initiative plays a key role in the Administration's goal of building strong and healthy communities for the 21st century. The Initiative represents a comprehensive approach to empowering States, local governments, communities, and other stakeholders interested in environmental cleanup and economic redevelopment to work together to prevent, assess, safely clean up, and sustainably reuse brownfields. Brownfields are abandoned, idled, or under-used industrial and commercial properties where expansion or redevelopment is complicated by real or perceived contamination. Brownfields sites exist in this country, affecting virtually every community in the nation.

The General Accounting Office has estimated that there are over 450,000 brownfields properties across America. The Administration believes strongly that environmental protection and economic progress are inextricably linked. Rather than separate the challenges facing these communities, our brownfields initiative seeks to bring all parties to the table—and to provide a framework for them to seek common ground on the whole range of challenges: environmental, economic, legal and financial. The EPA brownfields pilot grants are forming the basis for new and more effective partnerships. In many cases, city government environmental special-

ists are sitting down together with the city's economic development experts for the first time. Others are joining in—businesses, local residents, community activists.

Brownfields Assessment Pilots

The Brownfields Assessment Pilots form a major component of the Brownfields Initiative since its announcement in a little more than 4 years ago. Since that time, significant environmental results had already been achieved. The Agency has selected 250 assessment pilots funded at up to \$200,000 to local communities across the Nation to chart their own course towards revitalization. These pilots are seen as catalysts for change in local communities, and often spur community involvement in local land use decision-making. These pilots, along with targeted state and EPA efforts, resulted in the assessment of 398 brownfields properties, cleanup of 71 properties, redevelopment of 38 properties, and a determination that 273 properties did not need additional cleanup.

Revolving Loan Funds

We are also building on another aspect of our program which began in 1997. This program will award a "second-stage" type of brownfields pilot. Those pilots known as the Brownfields Cleanup Revolving Loan Fund (BCRLF) Pilots are designed to enable eligible States, cities, towns and counties, Territories, and Indian Tribes to capitalize revolving loan funds to safely cleanup and sustainably reuse brownfields. EPA's goal is to select BCRLF pilots that will serve as models for other communities across the nation. In the 1997 fiscal year, EPA's budget for brownfields included \$10 million to capitalize BCRLFs. That early first round of BCRLF pilots is maturing. Twenty-three (23) pilots are now in various stages of development. This year we are planning to make a second round of BCRLF pilot awards. We have determined that these new pilots would benefit from an increased capitalization and we are planning to fund approximately 63 new pilots in fiscal year 1999 at up to \$500,000 each. The application deadline recently closed on March 8, 1999, and we will be considering these applications in regional panel and Headquarters evaluations and reviews. The Agency anticipates announcement of the award of these new pilots by June. Pilot applicants are being asked to demonstrate evidence of a need for cleanup funds, ability to manage a revolving loan fund, ability to ensure adequate cleanups, and a commitment to creative leveraging of EPA funds with public-private partnerships and matching funds/in-kind services.

Showcase Communities

The Brownfields Showcase Communities project is another component of the Brownfields Initiative. It represents a multi-faceted partnership among federal agencies to demonstrate the benefits of coordinated and collaborative activity on brownfields in 16 Brownfields Showcase Communities. The designated Showcase Communities are distributed across the country and vary in size, resources, and community type.

Job Training

To help local citizens take advantage of the new jobs created by assessment and cleanup of brownfields, EPA began another demonstration pilot program—the Brownfields Job Training and Development Demonstration Pilot program in 1998. Last year we awarded 11 pilots to applicants located within or near one of our assessment pilot communities. Colleges, universities, non-profit training centers, and community job training organizations, as well as states, Tribes and communities were eligible to apply. This year we are planning to award an additional 10 pilots.

The Brownfields Initiative has also generated significant economic benefit for communities across America. By the end of fiscal year 1998, 410 cleanup jobs and 2,110 redevelopment jobs had been created as a result of the program. Pilot communities had already reported a leveraged economic impact of over \$1.1 billion.

Recycling Superfund Sites

Contaminated sites may be an economic drain on local economies, can lower property values, and can act as a disincentive for new industries to move into communities. Once cleaned up, many Superfund sites have gone on to new, productive, and economically beneficial reuse. We believe that there are opportunities for many such sites. While some sites are not suitable for unrestricted reuse, many can be "recycled." Many NPL sites are valuable properties—they reside near waterways, railroads or major transportation routes. They are in parts of town ready for redevelopment.

A logical outgrowth of the Brownfields redevelopment work is an increased emphasis on the reuse of Superfund sites. Recycled Superfund sites may be redeveloped for a variety of uses, including commercial/industrial, recreational, and ecologi-

cal projects. Sites are being cleaned up across the Nation. Major redevelopment and reuse is occurring.

Successful reuse is being demonstrated at the Industriplex site, in Woburn, Massachusetts. Through a private/public partnership this site will become a regional transportation center with over 200,000 square feet of retail space and potentially over 750,000 square feet of hotel and office space. An open land and wetlands preserve will also be created as a part of the "recycling" of this site. Another example of reuse at Superfund sites is the Anaconda Smelter NPL site, in Anaconda, Montana, which has become the Old Works Golf Course, a world-class Jack Nicklaus golf course. At other Superfund sites, major national corporations, including Netscape, Target stores, Home Depot stores and McDonalds, have established businesses. Sites have been redeveloped into athletic fields, community parks and wetland and habitat preserves as well.

Preliminary analyses indicate that more than 150 sites are in actual or planned reuse, supporting thousands of jobs and generating revenue for States and local communities and creating thousands of acres of new recreational and ecological green space. EPA continues to make strides in spurring the beneficial reuse of Superfund sites.

Barriers to Reuse

At some sites, the potential threat of CERCLA liability may in some circumstances be a barrier to the reuse of contaminated sites. EPA is continuing its efforts to negotiate prospective purchaser agreements and issue comfort/status letters in order to clarify CERCLA liability at sites and facilitate reuse of contaminated properties. Through FY98, EPA has entered into 85 Prospective Purchaser Agreements (PPAs) to facilitate beneficial reuse and has also issued over 250 comfort/status letters in order to clarify Federal Superfund interest in sites.

In the summer and fall of 1998, EPA undertook a survey effort to gather information on the impacts of the PPA process. Preliminary survey data (for PPAs completed through June 1998) indicate that redevelopment projects cover over 1252 acres, or 80% of the property secured through PPAs. EPA regional personnel estimate that nearly 1600 short-term jobs (e.g., construction) and over 1700 permanent jobs have resulted from redevelopment projects associated with PPAs. An estimated \$2.6 million in local tax revenue for communities nationwide have resulted from these projects. In addition, EPA regional staff estimate that PPAs have resulted in the purchase of over 1500 acres of contaminated property and have spurred redevelopment of hundreds of thousands of adjacent acres.

Federal Facility Redevelopment

Through EPA's Base Realignment and Closure (BRAC) program over 850 base closure documents have been reviewed at 108 major closing military bases. These BRAC documents articulate the environmental suitability of the property for lease or transfer.

Wurtsmith Air Force Base, located on more than 5,000 acres in northeast Michigan, stood ready for more than 70 years to support strategic bombing operations worldwide. In this capacity, the base managed supplies of aircraft fuel, mechanical cleansers, solvents, and paints, some leaked into the soil and subsequently the groundwater.

The decision to close the base was made in 1993. A Base Closure Team (BCT), consisting of representatives from EPA, the Air Force, and the Michigan Department of Environmental Quality was formed to clean up the site. In an effort to expedite cleanup and minimize cost, an innovative technology, in situ enhanced bioremediation, was implemented to treat the contaminated groundwater. Using this innovative technology, the BCT shaved more than \$500,000 and four years off the original cleanup estimate of \$1.5 million and 10 years.

To enhance economic redevelopment, the BCT focused its attention on reuse options for the base. Working with the Northeast Michigan Community Service Agency, the BCT enabled approximately 150 low-income families to move into base structures, which replaced substandard housing in six counties. The BCT earned national recognition for this unique reuse plan.

Additional reuse options for the base were determined and implemented. A portion of the base property was leased to companies that brought more than 1,000 jobs to the area, helping to boost the community's economy. Another reuse accomplishment that saved both time and money was the transfer of airport runways for immediate public use to the Oscoda-Wurtsmith Airport Authority.

FUTURE SCOPE OF SUPERFUND PROGRAM

EPA will continue to work with all stakeholders to leverage resources and to assure the successful cleanup of this nation's hazardous waste sites. We will continue to employ administrative reforms to ensure a fair, effective, and efficient Superfund program. The Superfund program is cleaning up 85 sites per year and in fiscal year 1999 plans to exceed the Agency target of 650 construction completions—one year earlier than originally expected. In addition, the Administration recently announced our target of 925 sites “construction completed” by the end of 2002. By 2005, EPA expects to complete construction at 1180—85% of the current NPL. At these construction completion sites, EPA still has the responsibility for post-construction activities such as 5-year reviews and groundwater pump and treat and oversight of PRP long-term operations and maintenance.

State/Federal Partnership

EPA/State relationships in the Superfund program have evolved into flexible working partnerships that assign sites responsibilities in a mutually supportive way. EPA has provided the States with nearly \$20 million annually for core program support. Where States are interested in taking the lead at NPL sites we provide the funding (roughly \$100 million annually, in fiscal years 1997 and 1998) for those activities. Another \$30-\$40 million annually is provided for site assessment, voluntary cleanup program (VCP) support, and other program activities. Total funding provided to States typically exceeds \$150 million per year. A recent GAO study report supports the position that CERCLA and a strong Federal cleanup program are important to the States—

“... a number of stakeholders, including state officials, said that a lessening of the Superfund program's more rigorous cleanup requirements or liability standards could negatively affect the State programs.—“State Cleanup Practices” report 99-39, December 1998—

States often and regularly ask for EPA assistance when their technical capabilities fall short, their funding is inadequate, enforcement cases too complex, or their ability to respond with staff or contract support is insufficient.

The GAO estimates roughly 3000 sites pose risks serious enough, based on site inspections to be potentially eligible for NPL inclusion and are classified as “awaiting a National Priorities List decisions.” Of these the GAO concluded 1,800 of these sites still appear eligible for NPL while the remaining 1,234 are unlikely to become eligible for various reasons.

We do not know now how many more sites will need to be listed on the NPL. We will focus our listing activities on sites when states request a listing, when there are recalcitrant PRPs or when cleanup is needed and its not occurring satisfactorily. We have been using and will continue to use these factors to guide our listing decisions. Based on what we know at this time, we do not expect to list more than 40 sites this year.

Expiration of Tax

The Superfund tax authority expired December 31, 1995, discontinuing further tax collections. The President's fiscal year (FY) 2000 Budget requests reinstatement of all Superfund taxes (including excise taxes on petroleum and chemicals, and a corporate environmental tax). The Trust Fund balance (unappropriated balance) was roughly \$2.1 billion at the end of fiscal year 1998. The Trust Fund balance will be approximately \$1.3 billion at the end fiscal year 1999.

CONCLUSION

The Superfund program has been fundamentally improved through administrative reforms and is faster, fairer, and more efficient. The significant progress the Clinton Administration has achieved in protecting public health and the environment through the cleanup of toxic waste sites must not be undermined by the passage of Superfund legislation based upon outdated information and ideas. EPA's administrative reforms, and the resulting Superfund cleanup progress, have eliminated the need for comprehensive Superfund legislation. We look forward to working with Congress to reinstate the Superfund taxes and enact the narrowly targeted Superfund legislation that I described in my testimony that builds upon the success of administrative reforms.

Mr. Chairman, thank you for this opportunity to address the Subcommittee. I would be pleased to answer any questions you or the other Members may have.

Mr. OXLEY. Thank you, Mr. Fields, again, for your testimony, and let me begin with some questions.

What I want to make sure is that everyone understands the difference between the applicability of the Superfund statute and implementation of the Federal program by EPA. The States take on, lead, new sites. That is probably a good idea. You do not need to pour money into EPA for years when States are closer to the problem and fully capable.

Unfortunately, the Superfund statute does not just affect sites on the Federal National Priorities List. So, Mr. Fields, what I want to do is talk about various areas of the Superfund statute, whether their application is limited to just the NPL. First, I want to cover the liability provisions in relationship to voluntary cleanups and brownfields sites which are not on the National Priorities List.

Robert Inghram, president of the National Conference of Black Mayors, wrote in 1995, "Far too much money is being spent on lawyers and not nearly enough on cleanup. Our primary concern is that tens of thousands of abandoned properties in urban areas lie contaminated and unproductive because developers and local businesses, they are getting pulled into Superfund's far-reaching liability system. Congress must act this year to fundamentally reform the failed liability system. Without these changes, these properties will lie dormant, and critical and economic revitalization opportunities will be lost for cities nationwide."

The General Accounting Office stated the same proposition in the 1996 report entitled, "Barriers to Brownfields Redevelopment." Is it not correct, Mr. Fields, that Superfund's liability provisions have broad sweep and can apply at tens of thousands of sites not on the NPL?

Mr. FIELDS. Yes, that is correct. The Superfund liability provisions go beyond the 1,387 sites on the Superfund National Priorities List and do affect activities at voluntary cleanup sites, brownfields sites, and other sites as well.

Mr. OXLEY. So, those folks who are interested in, the opening statements talking about, brownfields redevelopment need to understand the applicability of the Superfund liability scheme to the brownfields issue. Is that correct?

Mr. FIELDS. Yes, they do need to understand that, and we believe that those liability provisions have been very effective in helping put forth a great brownfields agenda over the last 4 years.

Mr. OXLEY. Is it also the case with the natural resources damages provision that they can apply at sites beyond the NPL? Can NRD claims be brought after a construction-complete?

Mr. FIELDS. Natural resource damages claims can be brought after construction-complete, yes, that is correct.

Mr. OXLEY. Ms. Kerbawy, representing ASTSWMO, in her testimony on behalf of the State cleanup officials, says that while "the States are addressing the large universe of non-NPL sites, the statute still maintains a role for EPA in theory. Although the majority of those sites, typically, brownfields sites, will never be placed on the NPL, they are still subject to CERCLA liability, even after the site has been cleaned up to State standards." Is that correct, that Superfund liability applies even after the site has been cleaned up to State standards?

Mr. FIELDS. I want to be very clear about this. We, obviously, think the States are doing a great job in implementing their vol-

untary cleanup programs. Forty-four States have those programs. We have been very supportive of those States. We have never intervened in a State cleanup to date, except when a State has requested that the Federal Government come in. We believe in and we endorse those State programs. We have funded them for the last 3 years at a tune of \$10 million to \$15 million a year. We want to support them. We have entered into memoranda of agreement with 11 States to date to agree on deferring to the States' authority in implementing effective, voluntary, cleanup programs. We're discussing agreement with eight additional States.

So, we want to do all we can to assure the regulated community and the States that we want to defer to them for the vast majority of those sites that are not covered on the NPL, but are being covered by voluntary cleanup programs implemented at the State level. We think that fear is there, but the reality is we have never intervened. We don't jump in when a State is providing oversight for a cleanup in that State. The instance it has occurred is when a State requested that we come in.

Mr. OXLEY. Let me quote from Ms. Kerbawy also in her testimony. She says, "The potential for EPA to overfile and for third-party lawsuits under CERCLA is beginning to cause many owners of potential brownfields sites to simply mothball the properties, and that States should be able to release sites from liability once a site has been cleaned up to State standards."

Do you agree that the issue of release from Federal liabilities is an issue that is not specifically related to the status of the NPL sites?

Mr. FIELDS. I agree that some have fear about having complete finality on releases from liability for sites that are not on the NPL. We are trying to do all that we can to work to assure people that that has not been our history. We do not get involved, and we want to try to work through memorandum of agreements, comfort letters, and other mechanisms to provide assurance, to the regulated community that we do not intend to overfile, or intervene in those cases where we have effective State programs overseeing cleanup.

Mr. OXLEY. Thank you. My time has expired. Let me now recognize the gentleman from New York, the ranking member of the subcommittee, Mr. Towns.

Mr. TOWNS. Thank you very much, Mr. Chairman.

Mr. Fields, you indicated that EPA has worked with the Agency for Toxic Substances and Disease Registry to evaluate health impacts of Superfund sites. If you don't have information with you today, could you provide this committee with a summary of those studies?

Mr. FIELDS. Yes, we will be happy to provide that documentation for the record, Mr. Towns. We do have data on the health effects studies that have been done by ATSDR at Superfund sites. They have evaluated a lot of our sites on the current National Priorities List. The ATSDR in their studies indicate that 80 percent of those Superfund sites have public health exposures. That means that people and children who live around 80 percent of those sites have been exposed to contamination from one or more media—air, water, or toxic waste. They have done health assessments at those sites to have documented instances of leukemia, and low-birth weight,

and asthma that they believe could be attributed to contamination around these Superfund sites.

We will be happy to provide more detail for the record, but we believe that Superfund sites do, in fact, pose a significant public health threat that needs to be addressed, and that is why the Superfund Program is around. EPA also conducts emergency actions. We have done 5,600 plus emergency response actions since the program began because of significant, immediate, public health threats that need to be addressed in these communities.

[The information referred to follows:]



Public Health Assessments

ATSDR's public health assessments are being converted to Hypertext Markup Language (HTML) format to make them available to the public over the Internet. The health assessments of the Fiscal Year (FY) 1996 were converted to HTML first, followed by those from previous years. Only health assessments from FY 1996, and FY 1995, are now available. The public health assessments are organized according to the ATSDR regions where they originated.

For more information on the health assessment process, please read the [Foreword](#). To retrieve a public health assessment, click on the region of your choice, and you will see the list of health assessments currently available from that region. The listings are in alphabetical order, by state.

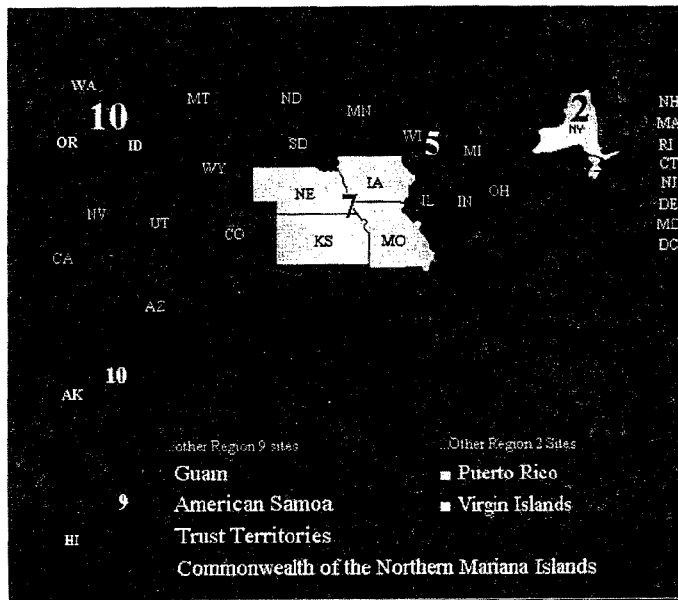
In the HTML version, each public health assessment has been divided into four or more portions for facilitating reduced downloading time. The groupings of different sections of the document correspond roughly to an "Introduction" section, an "Evaluation" section, a "Conclusions" section, and an "Appendices" section.

Please send comments and suggestions to [Bill Henriques](#), DHAC, ATSDR. Email: wdh2@cdc.gov.

[Foreword - About Public Health Assessments](#)

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- [Region 3](#) [Region 8](#)
- [Region 4](#) [Region 9](#)
- [Region 5](#) [Region 10](#)



Bill Henriques / wdh2@cdc.gov

Last updated on March 6, 1999

ATSDR PUBLIC HEALTH ASSESSMENTS

FOREWORD

The Agency for Toxic Substances and Disease Registry, ATSDR, is an agency of the U.S. Public Health Service. It was established by Congress in 1980 under the Comprehensive Environmental Response, Compensation, and Liability Act, also known as the Superfund law. This law set up a fund to identify and clean up our country's hazardous waste sites. The Environmental Protection Agency, EPA, and the individual states regulate the investigation and clean up of the sites.

Since 1986, ATSDR has been required by law to conduct a public health assessment at each of the sites on the EPA National Priorities List. The aim of these evaluations is to find out if people are being exposed to hazardous substances and, if so, whether that exposure is harmful and should be stopped or reduced. (The legal definition of a health assessment is included on the inside front cover.) If appropriate, ATSDR also conducts public health assessments when petitioned by concerned individuals. Public health assessments are carried out by environmental and health scientists from ATSDR and from the states with which ATSDR has cooperative agreements.

Exposure: As the first step in the evaluation, ATSDR scientists review environmental data to see how much contamination is at a site, where it is, and how people might come into contact with it. Generally, ATSDR does not collect its own environmental sampling data but reviews information provided by EPA, other government agencies, businesses, and the public. When there is not enough environmental information available, the report will indicate what further sampling data is needed.

Health Effects: If the review of the environmental data shows that people have or could come into contact with hazardous substances, ATSDR scientists then evaluate whether or not there will be any harmful effects from these exposures. The report focuses on public health, or the health impact on the community as a whole, rather than on individual risks. Again, ATSDR generally makes use of existing scientific information, which can include the results of medical, toxicologic and epidemiologic studies and the data collected in disease registries. The science of environmental health is still developing, and sometimes scientific information on the health effects of certain substances is not available. When this is so, the report will suggest what further research studies are needed.

Conclusions: The report presents conclusions about the level of health threat, if any, posed by a site and recommends ways to stop or reduce exposure in its public health action plan. ATSDR is primarily an advisory agency, so usually these reports identify what actions are appropriate to be undertaken by EPA, other responsible parties, or the research or education divisions of ATSDR. However, if there is an urgent health threat, ATSDR can issue a public health advisory, warning people of the danger. ATSDR can also authorize health education or pilot studies of health effects, full-scale epidemiology studies, disease registries, surveillance studies or research on specific hazardous substances.

Interactive Process: The health assessment is an interactive process. ATSDR solicits and evaluates information from numerous city, state and federal agencies, the companies responsible for cleaning up the site, and the community. It then shares its conclusions with them. Agencies are asked to respond to an early version of the report to make sure that the data they have provided is accurate and current. When informed of ATSDR's conclusions and recommendations, sometimes the agencies will begin to act on them before the final release of the report.

Community: ATSDR also needs to learn what people in the area know about the site and what concerns they may have about its impact on their health. Consequently, throughout the evaluation process, ATSDR actively gathers information and comments from the people who live or work near a site, including residents of the area, civic leaders, health professionals and community groups. To ensure that the report responds to the community's health concerns, an early version is also distributed to the public for their comments. All the comments received from the public are responded to in the final version of the report.

Comments: If, after reading this report, you have questions or comments, we encourage you to send them to us.

Letters should be addressed as follows:

Attention: Chief, Program Evaluation, Records, and Information Services Branch, Agency for Toxic Substances and Disease Registry, 1600 Clifton Road (E-56), Atlanta, GA 30333.

Region 1**CONNECTICUT**

Barkhamsted-New Hartford Landfill, Barkhainsted, Litchfield County

Connecticut Correctional Institution (a/k/a Somers Correctional Facility), Somers,
New Haven County
Linemaster Switch Corporation, Woodstock, Windham County
Old Southington Landfill, Southington, Hartford County
Raymark Industries, Stratford, Fairfield County
Revere Textile Prints Corporation, Sterling, Windham County
Starr Property, Enfield, Hartford County
U.S. Naval Submarine Base New London, Groton, New London County

MAINE

West Site Hows Corner, Plymouth, Penobscot County

MASSACHUSETTS

Blackburn and Union Privileges, Walpole, Norfolk County
Groveland Wells, Groveland, Essex County
Hocomonco Pond, Westborough, Worcester County
Industri-Plex, Wobum, Middlesex County
Iron Horse Park, Billerica, Middlesex County
New Bedford Site, New Bedford, Bristol County
Nyanza Chemical Waste Dump, Ashland, Ashland County
PSC Resources, Palmer, Hampden County
Silresim Chemical Corporation, Lowell, Middlesex County
Sullivan's Ledge, New Bedford, Bristol County
U.S. Army Materials Technology Laboratory, Watertown, Middlesex County
Wells G and H, Wobum, Middlesex County

NEW HAMPSHIRE

Beede Waste Oil, Plaistow Rockingham County
Dover Municipal Landfill, Dover, Stratford County
New Hampshire Plating Company, Merrimack, Hillsborough County
Savage Municipal Water supply (Interim), Milford, Hillsborough County
Somersworth, Municipal Landfill, Somersworth, Stratford County
Tibbetts Road, Barrington, Strafford County

RHODE ISLAND

West Kingston Town Dump and University of Rhode Island (Plains Rd) Disposal
Area (URI), South Kingston, Washington County

VERMONT

None available currently.

Region 2*NEW JERSEY*

A.O. Polymer, Sparta Township, Sussex County
Bridgeport Rental and Oil Service, Logan Township, Gloucester County
CPS Chemical/Madison Industries, Old Bridge Township, Middlesex County
Curcio Scrap Metal, Saddle Brook Township, Bergen County
Delilah Road, Egg Harbor Township, Atlantic County
Garden State Cleaners and South Jersey Clothing Company, Minotola, Atlantic
County
Global Landfill, Old Bridge, Middlesex County
Horseshoe Road, Sayreville, Middlesex County
Jackson Township Landfill, Jackson Township, Ocean County
M&T DeLisa Landfill, Ocean Township, Monmouth County
Mannheim Avenue Dump Site, Galloway Township, Atlantic County
Montclair/West Orange Radium, Montclair/West Orange, Essex County
Pomona Oaks Well Contamination, Galloway Township, Atlantic County
Sayreville Landfill, Sayreville, Middlesex County
Tabernacle Drum Dump, Tabernacle Township, Burlington County

NEW YORK

Batavia Landfill, Batavia, Genessee County
C&J Disposal, Town of Eaton, Madison County
Carroll and Dubies Sewage Disposal, Port Jervis, Orange County
Circuitron Corporation, Fanningdale, Nassau County
Colesville Municipal Landfill, Colesville, Broome County
Endicott Village Wellfield (a/k/a Ranny Well), Endicott, Broome County
Facet Enterprises, Elmira, Chemung County
Genzale Plating Company, Franklin, Nassau County

Griffiss Air Force Base, Rome, Oneida County
 Hertel Landfill, Plattekill, Ulster County
 Hooker Chemical/Ruco Polymer, Hicksville, Nassau County
 Hooker-102nd Street, Niagara Falls, Niagara County
 Islip Municipal Sanitary Landfill (a/k/a Blvdenburgh Road Landfill), Hauppauge,
 Suffolk County
 Johnstown City Landfill, Johnstown, Fulton County
 Jones Chemical, Inc., Caledonia, Livingston County
 Li Tungsten Corporation, Glen Cove, Nassau County
 Mattiace Petrochemical, City of Glen Cove, Nassau County
 Niagara County Refuse, Town of Wheatfield, Niagara County
 Onondaga Lake, Syracuse, Onondaga County
 Pasley Solvents & Chemicals Inc., Garden City, Nassau County
 Pfohl Brothers Landfill, Cheektowaga, Erie County
 Pollution Abatement Services (PAS), City of Oswego, Oswego County
 Port Washington Landfill, North Hempstead, Nassau County
 Preferred Plating Corporation, East Fanningdale, Suffolk County
 Ramapo Landfill, Ramapo, Rockland County
 Robintech Inc./ National PiDe Co., Vestal, Broome County
 Rosen Site (a/k/a Rosen Brothers Site), Cortland, Cortland County
 Rowe Industries Groundwater Contamination, Sag Harbor, Suffolk County
 Rowe Industries Groundwater Contamination, Sag Harbor, Suffolk County
 Sarney Farm, Amenia, Dutchess County
 Sealand Restoration, Lisbon, St. Lawrence County
 Sinclair Refinery, Town of Wellsville, Allegany County
 Solvent Savers, Lincklaen, Chenango County
 Syosset Landfill, Oyster Bay, Nassau County
 Tri-Cities Barrel Company, Inc., Fenton, Broome County

PUERTO RICO

Fibers Public Supply Wells, Jabos, Guayama County
 Frontera Creek, Rio Abajo, Humacao County
 V&M/Albaladejo Norte Ward, Vega Baja, Vega Baja County
 Vega Baja Solid Waste Disposal, Rio Abajo Ward/La Trocha, Vega Baja County

VIRGIN ISLANDS

Bovoni Dump, St. Thomas, St. Thomas County
 Tutu Wellfield, St. Thomas, St. Thomas County

Region 3

DELAWARE

Koppers Company Facilities Site, Newport, New Castle County

MARYLAND

Limestone Road Site, Cumberland, Allegany County
 Mid-Atlantic Wood Preservers, Harmans, Anne Arundel County
 Naval Air Station Patuxent River, St. Mary's County
 Naval Surface Warfare Center, Indian Head Division (NSWC-IHDIV), (a/k/a Indian
 Head Naval Surface Warfare Center), Indian Head, Charles County
 Ordnance Products, Incorporated, Northeast, Cecil County
 Sand Gravel and Stone, Elkton
 Southern Maryland Wood Treating National Priorities List (NPL) Site, Hollywood,
 St. Mary's County
 Spectron Incorporated (a/k/a Galaxy Incorporated), Elkton, Cecil County

PENNSYLVANIA

Avco Lycoming-Williamsport Division, Williamsport, Lycoming County
 Bell Landfill, Wyalusing-Terry Township, Bradford County
 BresLube-Penn Inc. Superfund Site, Moon Township, Allegheny County
 Butz Landfill, Jackson Township, Monroe County
 C&D Recycling, Freeland, Luzerne County
 Cabot-Wrought Products, Muhlenberg, Berks County
 Crater Resources, King of Prussia, Montgomery County
 Cryo-Chem Inc., Worman Township, Bovertown, Berks County
 Dublin Water Supply, Dublin, Bucks County
 Falls Township Groundwater Contamination (a/k/a CORCO Chemical, Para-
 scientific, Meenan Oil), Falls Township, Bucks County
 Foote Mineral Company, Frazer, Chester County
 Hebelka Auto Salvage Yard, Weisenburg Township, Lehigh County

Letterkenny Army DeRot, USA Letterkenny Southeast Area, and USA Letterkenny-Property, Disposal Office Area, Chambersburg, Franklin County
 Malvern TCE Site, Malvern, Chester County
 McAdoo Associates, McAdoo, Schuylkill County
 Metropolitan Mirror and Glass Company, Incorporated, Frackville, Schuylkill County
 Modern Sanitation Landfill, York, York County
 North Penn-Area 1, Souderton, Montgomery County
 Palmerton Zinc Pile, Palmerton, Carbon County
 Resin Disposal Site, Jefferson Borough, Allegheny County
 Revere Chemical Company, Nockamixon, Bucks County
 Rodale Manufacturing Company, Inc., Emmaus, Lehigh County
 Salford Quarry, Township Montgomery County
 Strasburg Landfill, Newlin Township, Chester County
 Tobyhanna Army Depot, Coolbaugh Township, Monroe County
 UGI Columbia Gas Plant, Columbia, Lancaster County

VIRGINIA

Sites in Bluefield and Vicinity, Tazewell County
 C&R Battery Company, Inc., Richmond, Chesterfield County
 Fort Eustis (US Army), Newport News, Newport News County
 First Piedmont Rock Quarry, Beaver Park
 USAF Langley Air Force Base/Nasa-Langley Research Center, Hampton, York County
 U.S. Defense General Supply Center, Richmond, Chesterfield County

WASHINGTON, D.C.

None available currently.

WEST VIRGINIA

Sites in Bluefield and Vicinity, Mercer County
 Hanlin-Allied-Olin, Moundsville, Marshall County
 Sharon Steel Corporation (Fairment Coke Works), Fairmont, Marion County

Region 4

ALABAMA

Alabama Army Ammunition Plant, Talladega County
 Monarch Tile, Florence, Lauderdale County
 T.H. Agriculture and Nutrition/Montgomery Plant Site, Montgomery, Montgomery County

FLORIDA

Agrico Chemical Company, Pensacola, Escambia County
 Broward County-21st Manor Dump, Ft. Lauderdale, Broward County
 Chevron Chemical Company (Ortho Division), Orlando, Orange County
 Escambia Wood-Pensacola, Pensacola, Escambia
 Hipps Road Landfill, Jacksonville, Duval County
 Homestead Air Force Base, Homestead AFB, Dade County
 Loxahatchee Nursery, Palm City, Martin County
 MRI Corporation, Tampa, Hillsborough County
 Munisport Landfill, North Miami, Dade County
 Plymouth Avenue Landfill, Deland, Volusia County

GEORGIA

Basket Creek Surface Impoundment and Basket Creek Drum Disposal, Douglasville, Douglas County
 Old Douglas County Landfill, Douglasville, Douglas County
 Southern Wood Piedmont Company, Augusta, Richmond County
 Southwire Company, Carrollton, Carroll County

KENTUCKY

National Electric Coil/Cooper Industries, Dayhoit, Harlan County
 National Southwire Aluminum Company, Hawesville, Hancock County
 Rubbertown, Louisville, Jefferson County

MISSISSIPPI

Chemfax, Inc., Gulfport, Harrison County
 Country Club Lake Estates, Hattiesburg, Forrest County
 Potter Company, Wesson, Copiah County

NORTH CAROLINA

Caldwell Systems Incorporated, Lenoir, Caldwell County
 Cherry Point Marine Corps Air Station, Cherry Point, Craven County
 U.S. Marine Corps Camp Lejeune, Camp Lejeune, Onslow County

SOUTH CAROLINA

Carolawn, Fort Lawn, Chester County
 Geiger (C&M Oil) Site, Rantowles, Charleston County
 Golden Strip Septic Tank, Simpsonville, Greenville County
 GSX Landfill, Pinewood, Sumter County
 Helena Chemical Company Landfill, Fairfax, Allendale County
 Kalama Specialty, Burton, Beaufort County
 Koppers Company Inc./Florence Plant, Florence, Florence County
 Laidlaw Environmental Services Facility, Roebuck, Spartanburg County
 Leonard Chemical Company, Inc., Catawba, York County
 Medley Farms, Gaffney, Cherokee County
 Palmetto Recycling, Incorporated, Columbia, Richland County
 Palmetto Wood Preserving, Incorporated, Cayce, Lexington County
 Para-Chem Southern, Inc., Simpsonville, Greenville County
 Rochester Property, Traveler's Rest, Greenville Report
 Sangamo/Twelve-Mile Creek/Hartwell PCB, Pickens, Pickens County
 USMC Marine Corps Recruit Depot (a/k/a Parris Island Marine Corps Recruit Depot), Parris Island, Beaufort

TENNESSEE

ICG Iselin Railroad Yard, Jackson, Madison County
 USA Defense Depot Memphis, Memphis, Shelby County

Region 5*ILLINOIS*

A&F Materials Reclaiming, Inc., Greenup, Cumberland County
 Acme Solvent Reclaiming, Winnebago, Winnebago County
 Belvidere Municipal Landfill #1, Belvidere, Boone County
 Cross Brothers Pail Recycling, Pembroke Township, Kankakee County
 Danville H&L No. 1 Danville City Dump, Danville, Vermilion County
 DuPage County Landfill (Blackwell Forest Preserve), Warrenville, DuPage County
 H.O.D. Landfill, Antioch, Lake County
 Ilada Energy Company, East Cape Girardeau, Alexander County
 Jennison Wright Corporation, Granite City, Madison County
 Kaney Transportation, Rockford, Winnebago County
 Lenz Oil Service Incorporated, Lemont, Cook County
 Ottawa Radiation Areas, Ottawa, LaSalle County
 Outboard Marine Corporation, Waukegan, Lake County
 Pagel's Pit, Rockford, Winnebago County
 Tri-County Landfill, South Elgin, Kane County
 Velsicol Chemical, Marshall, Clark County
 Wauconda Sand and Gravel, Wauconda, Lake County
 Woodstock Municipal Landfill, Woodstock, McHenry County
 Yeoman Creek and Edwards Field Landfills, Waukegan, Lake County

INDIANA

American Chemical Services Inc., Griffith, Lake County
 Bloomington PCB Sites-Volume 1, Bloomington, Monroe County and Spencer, Owen County
 Bloomington PCB Sites-Volume 2, Bloomington, Monroe County and Spencer, Owen County
 Bloomington PCB Sites-Volume 3, Bloomington, Monroe County and Spencer, Owen County
 Carter-Lee Lumber Company, Indianapolis, Marion County
 Enviro-Chem Corporation, Zionsville, Boone County
 Fisher Calo, Kingsbury, La Porte County
 Marion (Bragg)dump, Marion, Grant County
 Northside Sanitary Landfill, Zionsville, Boone County
 Reilly Tar and Chemical Corporation (Indianapolis Plant), Indianapolis, Marion County
 U.S. Smelter and Lead Refinery, Inc. (a/k/a USS Lead Refinery Inc.), East Chicago, Lake County
 Waste Inc. Landfill, Michigan City, La Porte County

MICHIGAN

Albion-Sheridan Township Landfill, Sheridan Township, Calhoun County
 Baycity Middlegrounds Landfill, Bay City, Bay County
 Bofors-Nobel Incorporated, Egelston, Muskegon County
 Duell and Gardner Landfill, Muskegon, Muskegon County
 Ionia City Landfill, Ionia, Ionia County
 Lower Ecorse Creek Dump, Wyandotte, Wayne County
 Michigan Sites of Radium Dial Contamination:
 Aircraft Components (Michigan Radiologic) (a/k/a D& L Sales), Benton Harbor,
 Berrien County
 H&K Sales (Michigan Radiologic), Belding, Ionia County
 Organic Chemicals Incorporated, Grandville, Kent County
 Ossineke Groundwater Contamination, Ossineke, Alpena County
 Packaging Corporation of America, Filer City, Manistee County
 South Macomb Disposal Authority #9, 9A, St. Clair Shores, Oakland County
 Thermo Chem Incorporated, Muskegon, Muskegon County
 Willow Run Sludge Lagoon, Ypsilanti, Washtenaw County

MINNESOTA

Reilly Tar and Chemical Corporation Site, St. Louis Park, Hennepin County
 U.S. Air Force Twin Cities Reserve Small Arms Range, Minneapolis, Hennepin
 County

OHIO

Air Force Plant 85, Columbus, Franklin County
 Buckeye Reclamation Landfill, St. Clairsville, Belmont County
 Chem-Dyne Corporation, Hamilton, Butler County
 Dover Chemical Corporation, Dover, Tuscarawas County
 Fields Brook NPL Site, Ashtabula, Ashtabula County
 Fultz Landfill, Byesville, Guernsey County
 Miami County Incinerator, Troy, Miami County
 Nease Chemical, Salem, Columbiana County
 North Sanitary Landfill-Dayton, Dayton, Montgomery County
 Powell Road Landfill, Dayton, Montgomery County

WISCONSIN

Delavan Municipal Well #4, Delavan, Walworth County
 Kohler Company Landfill, Kohler, Sheboygan County
 Madison Metropolitan Sewerage District Sludge Lagoons, Madison (Town of Bloom-
 ing Grove), Dane County
 Muskego Sanitary Landfill, Muskego, Waukesha County
 Penta Wood Products, Town of Daniels, Burnett
 Refuse Hideaway, Middleton, Dane County
 Ripon City Landfill, Ripon, Fond du Lac County
 Sauk County Landfill, Excelsior, Sauk County

Region 6*ARKANSAS*

Popple, Incorporated, El Dorado Union County
 South 8th Street Landfill, West Memphis, Crittenden County

LOUISIANA

American Creosote Works, Winnfield Winn Parish
 Bayou Bonfouca, Slidell, St. Tammany Parish
 Marine Shale Processors, Inc., Amelia, St. Mary Parish
 Petro-Processors of Louisiana, Incorporated, Baton Rouge, East Baton Rouge Parish

NEW MEXICO

AT & SF (Albuquerque), Albuquerque, Bernalillo County
 Cal West Metals (USSBA), Lemitar, Socorro County

OKLAHOMA

Kerr-McGee Refinery Site, Cushing, Payne County
 National Zinc Company, Bartlesville, Washington County
 Oklahoma Refining Company, Cyril, Caddo County
 Tinker Air Force Base (Soldier CR/Building 3001), Midwest City, Oklahoma County

TEXAS

Air Force Plant #4 (General Dynamics), Fort Worth, Tarrant County

Alcoa (Point Comfort)/ Lavaca Bay, Point Comfort, Calhoun County
 Brio Refining Inc., Houston, Harris County
 French Limited, Crosby, Harris County
 Geneva Industries/Fuhrmann Energy, Houston, Harris County
 Odessa Super Site, Ector, Ector County
 Pantex Plant, Amarillo, Carson County
 RSR Corporation, Dallas, Dallas County
 United Creosoting Company, Conroe, Montgomery County

Region 7*IOWA*

Fairfield Coal Gasification Plant, Fairfield, Jefferson County
 Mason City Coal Gasification Plant, Mason City, Cerro Gordo County

KANSAS

Ace Services Incorporated, Colby, Thomas County

MISSOURI

Armour Road Site, North Kansas City, Clay County
 Big River Mine Tailings Desloge (a/k/a St. Joe Minerals), Desloge, St. Francois County
 St. Louis Airport, St. Louis, St. Louis County
 Weldon Spring Site Remediation Action Project (Chemical Plant, Raffinate Pits, Quarry), St. Charles, St. Charles County
 Weldon Spring Training Area, Weldon Spring, St. Charles County

NEBRASKA

American Shizuki Corporation, Ogallala, Keith County
 Bruno Coop & Associated Properties, Bruno, Butler County
 Cleburn Street Well Site, Grand Island, Hall County
 Sherwood Medical Company, Norfolk, Madison County

Region 8*COLORADO*

Asarco Incorporated (Globe Plant), Denver, Denver County
 Hansen Containers, Grand Junction, Mesa County
 Rocky Mountain Arsenal, Adams County
 Smelertown/Koppers, Salida, Chaffee County
 Summitville Mine, Del Norte, Rio Grande County

MONTANA

None available currently.

NORTH DAKOTA

None available currently.

SOUTH DAKOTA

Annie Creek Mine Tailings, Leade, Lawrence County
 Williams Pipe Line Company, Sioux Falls, Minnehaha County

UTAH

Kennecott (North Zone), Magna, Salt Lake County
 Kennecott (South Zone), Copperton, Salt Lake County
 Monticello Mill Tailings (DOE) and Monticello Radioactively Contaminated Properties (a/k/a Monticello Vicinity Properties), Monticello, San Juan County
 Murray Smelter, Murray, Salt Lake County
 Ogden Defense Depot, Ogden, Weber County
 Petrochem Recycling Corporation/Ekotek, Salt Lake City, Salt Lake County

WYOMING

None available currently.

Region 9*AMERICAN SAMOA*

None available currently.

ARIZONA

Luke Air Force Base, Phoenix, Maricopa County
 Phelps-Dodge Corp Douglas Reduction Works, Douglas, Cochise County

Williams Air Force Base, Mesa, Maricopa County
Yuma Marine Corps Air Station, Yuma, Yuma County

CALIFORNIA

El Toro Marine Corps Air Station, Santa Ana, Orange County
Fort Ord, Marina, Monterey County
Frontier Fertilizer, Davis, Yolo County
Riverbank Army Ammunition Plant, Riverbank, Stanislaus County
Sacramento Army Depot, Sacramento, Sacramento County
Sola Optical USA, Inc., Petaluma, Sonoma County
Naval Station Treasure Island, Hunters Point Annex, San Francisco County
T.H. Agriculture and Nutrition Company, Fresno, Fresno County
Tracy Defense Depot, Tracy, San Joaquin County
Travis Air Force Base, Solano County

COMMONWEALTH OF THE NORTHERN MARIANAS ISLANDS

None available currently.

GUAM

None available currently.

HAWAII

Del Monte Corporation (Oahu Plantation), Kunia, Honolulu County
Naval Computer and Telecommunication Area, Wahiawa, Honolulu County

NEVADA

None available currently.

TRUSTED TERRITORIES

None available currently.

Region 10

ALASKA

Fort Richardson (U.S. Army), Fort Richardson, Anchorage County

IDAHO

Blackbird Mine, Cobalt, Lemhi County
Triumph Mine Tailings Piles, Halley, Blaine County

OREGON

East Multnomah, Gresham, Multnomah County
McCormick and Baxter Creosoting Company (Portland), Portland, Multnomah County
Northwest Pine and Casing Company, Clackamas, Clackamas County
Reynolds Metal Company, Troutdale, Multnomah County
U.S. Army Umatilla Depot Activity, Hermiston, Umatilla County

WASHINGTON

American Crossarm and Conduit Company, Chehalis, Lewis County
Bonneville Power Administration Ross Complex (USDOE), Vancouver, County
Boomsnub/Airco, Vancouver, Clark County
Commencement Bay, South Tacoma Field (a/k/a Commencement Bay, South Tacoma Channel), Tacoma, Pierce County
Fairchild Air Force Base, Spokane, Spokane County
McChord Air Force Base, Tacoma, Pierce County
Old Navy Dump/Manchester Laboratory (USEPA/NOAA), Manchester, Kitsap County
Pacific Sound Resources, Seattle, King County
Seattle Municipal Landfill/Kent Highlands, Kent, King County
U.S. Navy Port Hadlock Detachment, Indian Island, Kitsap County

Mr. TOWNS. All right, thank you very much.

The majority staff circulated a memorandum to the subcommittee members for this hearing that EPA has completed remedial actions at slightly under 200 sites. First, is that an accurate statement or is it misleading?

Mr. FIELDS. Well, from my perspective, it is a very misleading statement. We, in fact, have completed cleanup at many more than

200 sites. As I said in the very beginning, both Republican and Democratic administrations have all agreed that the construction-completion indicator is the best indicator of Superfund Program performance. We have, in fact, completed cleanup construction at 592 sites to date. We will completing cleanup construction at 670 by the end of this fiscal year. Almost half of the sites on the Superfund National Priorities List will have completed construction by the end of this year. That is significant progress. It is the appropriate indicator, and not the information that has been provided in the staff draft documents.

Mr. TOWNS. So, I can just assume that that is inaccurate?

Mr. FIELDS. We believe it is an inaccurate indicator and not the correct indicator to document Superfund Program performance.

Mr. TOWNS. Mr. Fields, I have heard from many local government representatives that the reuse of contaminated properties is of great concern to our cities. I believe that we must focus on this concern, the cost to a community when a remedy is chosen that does not render the property usable. Can you describe whether redevelopment of other beneficial activities has taken place at Superfund sites that are either construction-complete or still have remedial construction ongoing?

Mr. FIELDS. Yes, we definitely can document that at many of our sites, where construction is complete or construction is underway, major reuse is occurring, economic reuse, recreational reuse, those reuses that are very beneficial to communities. For example, in the industrial-plex site in Massachusetts, we have converted a Superfund site into a regional transportation center and a shopping complex. At the Anaconda site in Montana, we have converted a Superfund site that is still under construction into a world-class Jack Nicklaus Golf Course. The Chisman Creek site in York County, Pennsylvania, we converted that into a recreational area involving ball fields.

We have documented more than 160 Superfund sites to date where major reuse, redevelopment, recycling has occurred while major construction activity is underway.

Mr. TOWNS. Mr. Chairman, may I ask unanimous consent that Mr. Fields insert into the records other examples of redevelopment and beneficial activities that are now taking place at the Superfund sites?

Mr. OXLEY. Without objection.

[The information referred to follows:]

Sites in Actual Reuse Organized by Most to Least Jobs

Sites in Actual Reuse Organized by Most to Least Jobs						
Site Name	Region	Firm Jobs	PEA 1500	Pre-Cleanup Site Type	Post-Cleanup Site Type	Comments
Middlefield-Ellis Whisman (Fairchild Semiconductor)	9		Yes	Semiconductor solvent storage	Commercial development of research and office facilities	Various industrial activities were conducted in the vicinity of the Middlefield-Ellis-Whisman area which is composed of three sites: Raytheon Mountain View, Intel Mountain View, and Fairchild Semi-conductor Mountain View. Activities included semiconductor manufacturing, metal finishing operations, parts cleaning, aircraft maintenance, and other activities requiring the use, storage, and handling of a variety of chemicals, particularly solvents. Site investigations at several of these facilities during 1981 and 1982 revealed significant contamination by toxic chemicals, primarily VOCs, in soil and ground water. Netscape Communications, an internet technology firm, currently has redeveloped several of the buildings and converted them into its newest Mountain View Campus. Once fully up and running, Netscape feels that it will employ upwards of 1,800 people at the M.E.W. site alone.
Central City Clear Creek	8	1330	Yes	Mining	Outdoor recreation, casinos	The Central City-Clear Creek Site is in Gipin County in north central Colorado. It consists of a limited number of abandoned gold mines near Central City and the Argo Tunnel in Idaho Springs. Completed in 1904, the 4-mile tunnel drains ground water from 30 or more inactive mines. Acid drainage containing heavy metals (cadmium, copper, iron, lead, manganese, and zinc) flows from the mines near Central City and the tunnel into Clear Creek, an important source of industrial, recreational, agricultural, and drinking water. In May 1980, a large discharge ("blow-out") from the tunnel affected downstream users. Wells supplying drinking water are also contaminated.

<p>Miami Services</p>	<p>4</p>	<p>400</p>	<p>No</p>	<p>Miami Drum Services recycled drums for 15 years on this 1-acre site located in a predominantly industrial area of Miami.</p>	<p>Vehicle maintenance yard for Dade County. Redevelopment</p>	<p>Commercial/Government</p>	<p>In 1981, the courts ordered Miami Drum Services to shut down because the company was in violation of its operating permits. The soils on site were contaminated by Phenols, heavy metals, oil, greases, pesticides, and other materials from the drum cleaning operation. Since the property was located near existing rail lines, Dade County acquired the land for a maintenance facility and repair yard. Not long after construction started, county officials discovered hazardous waste contamination that was left behind by Miami Drum services. After the contaminated soil was removed from the property, Dade County was able to resume construction of the rail maintenance and repair facility. Now in operation, the 82-acre William Lehman Operations and Maintenance Center serves as a major train repair facility for Dade County's above ground electric rail system.</p>
<p>Peterson-Puritan</p>	<p>1</p>	<p>400</p>	<p>Yes</p>	<p>Manufacturing plant</p>	<p>Manufacturing facilities and warehouse</p>	<p>Commercial</p>	<p>The Peterson-Puritan, Inc. Site covers 920 acres in the well fields of Lincoln and Cumberland, Rhode Island. Organic contamination was first detected in October 1979 in three Lincoln wells on the west bank of the Blackstone River and in a Cumberland well on the east bank of the river. A study concluded that Peterson-Puritan was the most probable source of contamination of the Lincoln wells. Four businesses are now operating on this Superfund site: Air Products & Chemicals, 1226 Mendon Road, P. O. Box 7119, Cumberland, RI 02864, telephone number 401/333-4100, 45 employees, \$6.8 million in annual sales (purchased chemical plant from Lanca Chemical Corporation, CCL, in 1987); 33 Mackinac Street, Cumberland, RI 02864, telephone number 401/333-4200, 300 employees, \$1.2 million in annual sales (purchased chemical plant from CPC-Intec, owned by Hoechst, in 1987); 50 Mattin Street, Cumberland, RI 02864, telephone number 401/723-2600, 400 employees, annual sales unavailable (this business signed a PPA with EPA and is reusing material at the site); Dean Warehousing, P. O. Box 7282, Cumberland, RI 02864, telephone number 401/334-4677, 3 employees, \$180,000 annual sales - Dun's Market</p>
<p>Westinghouse</p>	<p>3</p>	<p>285</p>	<p>No</p>	<p>Electrical manufacturer equipment</p>	<p>Winner International currently operates a sheet galvanizing plant on this site-- the manufacturer of the much-advertised "Club." Armco Steel also operates a tubular products warehouse on this site</p>	<p>Commercial</p>	<p>CBS Corporation, the successor to Westinghouse, will begin clean up of the huge Middle Sector Building on November 30, 1998. To date at least two companies have expressed interest in purchasing these buildings for manufacturing. One of these is Winner International which is considering a plant to manufacture galvanized wall studs. Winner is already established on a portion of the site along with Armco Steel Corporation, which runs a warehouse operation on-site to support its adjacent manufacturing facility, 1/99.</p> <p>Winner International's plant is located at 32 W STATE ST (registered address) SHARON, PA 161461302 USA</p>

Bunker Hill Mining	10	226	Yes	<p>Mine, mill and concentrator; lead smelter, electrolytic zinc plant, phosphoric acid and fertilizer plant, cadmium plant, and sulfuric acid plants</p>	<p>Native, coniferous forest; development of nearby ski area and facilitated construction of a gondola on Site</p>	Commercial/Ecological	<p>Dubbed the "Bunker Hill" Superfund site after the original 1865 silver mine that solidified the valley's reputation, it is one of a few Superfund sites to encompass residential housing -- and the only one with a functioning ski resort. As part of the restoration effort, local high school students have planted 350,000 white pine saplings this summer at the Bunker Hill Superfund site, an abandoned lead and zinc mine and smelter complex. The site covers 350 acres (21 square miles), the parent company sold to an Idaho consortium. Beginning on September 21, 1988, crews will be mobilizing aircraft and hydroseeding equipment to begin the task of revegetating the hillside near Bunker Hill. In this first phase of a three year project, 200 acres will be further redeveloped. Superfund Fact Sheet, September 1988. The regional EPA is planning associated with gondola, inquiries pending with Eagle Crest and SVEDEC. Jik (1/7/89)</p> <p>Much more development in the works: golf course, business park, condos, houses, offices, stores (Spokane, Spokesman Review, 3/15/88). NOTE: more research needed to determine how much development was actually within the boundaries. Fact</p>
General Miller/Henkel Corp	5	220	No	<p>General Mills operated a technical center and research laboratories at the site from 1930 through 1977.</p>	<p>Privately-held investment group converted the General Mills/Henkel Superfund site into a business enterprise development program that is successfully supporting and nurturing the growth of nearly 100 start-up businesses.</p>	Commercial	<p>Before selling the site to Henkel, General Mills Corp. operated a research laboratory there from about 1947 to 1962. During that time, General Mills disposed of about 1,000 gallons per year of laboratory solvents in a dry well to a depth of 10 feet. The State's analyses of soil, shallow ground water, and the deeper bedrock Prairie du Chien-Jordan aquifer detected volatile organic compounds. Both aquifers recharge the Mississippi River, from which Minneapolis obtains its drinking water. Most of the General Mills/Henkel site remained vacant until 1990, when Henkel held an auction and sold the property to B.B.D. Holdings, Inc. In turn, B.B.D. Holdings, Inc. refurbished 15 buildings on the General Mills/Henkel site and converted them to functionally useful spaces such as offices and research and laboratory facilities. Since 1990, B.B.D. Holdings has successfully operated the business incubator program and now has approximately 100 tenants. Tenants include start-up businesses in the following industries: food (retail, retail, and manufacturing); computer graphics and printing; medical; design; design; and other. The site has a total area of 290,000 sq. ft. and offers the following advantages: a</p>
Witco Chemical Corporation	2	220	No	<p>Technical research facility for chemical development</p>	<p>Technical research facility</p>	Commercial	<p>The 9-acre Witco Chemical (Oakland Plant) site, a former technical research facility for the development of specialty chemicals, is located in Oakland, Bergen County, New Jersey. The Borough of Oakland has a population of approximately 13,000 people, and with the exception of one residential well, the area downgradient from the site is supplied by a municipal water supply system. From 1968 to 1984, the Witco Chemical Corporation (Witco) neutralized laboratory wastewater in a 2,000-gallon underground acid neutralizing tank, and then discharged it to a series of underground seepage pits. EPA's ROD required no further action at the site.</p>

Firestone Tire & Rubber Co. (Salinas Plant)	9	173	No	Firestone Tire & Rubber Co. operated a tire manufacturing plant. The site is comprised of an 43-acre building on 256 acres of land.	Industrial park	Commercial	<p>The 256-acre Firestone Tire (Salinas Plant) Site is in an agricultural area in Salinas, California. The facility was operated as a tire manufacturing plant from 1963 to 1980, in which a variety of chemical and chemical formulations were used including solvents and surfactants. An investigation determined that some chemicals had been released to the soil and ground water. Sampling indicated that a plume of VOC-contamination extends about 2.5 miles northwest of the former facility. The former Firestone Plant is apparently known as Firestone Business Park. Per Dun's Market Identifiers, a number of businesses are operating at this site located at 340 El Camino Real S., Salinas, CA 93901: Basic Vegetable Products, LLP (8 employees), telephone number 831/422-0983; Bravo Packing, Inc. (130 employees), telephone number 831/753-0411; Cal-State Material Handling Systems, Inc. (3 employees), telephone number 408/768-9161; Coastal Wine Services, LLC (6 employees), telephone number 831/754-4300; U.S. Department of Commerce (3 employees), 831/754-6907; De La Paz Trucking (6 employees), telephone number 831/753-9155; Firestone Business Park (2 employees), telephone number 831/757-1422; Goodie Enterprise (8 employees), telephone number 831/759-8044; McCormick, Schilling & Company (3 employees), telephone number 831/758-2411; Sear Roebuck & Company (2 employees), telephone number 831/424-4837; Tupperware U.S. Inc. (2 employees), telephone number 831/757-8269.</p>
Bayou Bonifouca	9	150	No	Wood treating facility	Boat landing and recreational area	Recreational	<p>The Bayou Bonifouca (American Creosote) site covers 55 acres near Slidell, Louisiana in St. Tammany Parish. American Creosote Works, Inc., a manufacturer of wood preservatives, operated on the site for about 100 years. In 1970, after creosote spilled from tanks during a fire, the site was abandoned. The spill, in addition to plant operations, significantly contaminated sediments in Bayou Bonifouca and the surrounding area. Cleanup encompassed over 100 acres of industrial property and over 1.5 miles of Bayou Bonifouca.</p>

Cheshire Groundwater Contamination	1	114	No	Plastic molding manufacturing facility	Automotive part manufacturer (groundwater plume with unknown source)	Commercial	<p>The Cheshire Environmental Planner reported that the current site tenant is Carten Controls, Inc., 604 W. Johnson Ave., Cheshire, CT 06410, telephone number 203-899-2100. The current owner is the Lembo-Fairman Cheshire Trust per "Cheshire Groundwater Contamination," NPL Site Fact Sheet, Region 1, revised April 1998 (www.epa.gov/region01/remed/sites/cheshire.html). Former tenants include Airpax Corporation (1983-1995), Cheshire Molding Company (1979-1980), and Valley National Corporation (1966-1979). -- "Cheshire Groundwater Contamination," NPL Site Fact Sheet, Region 1, revised April 1998 (www.epa.gov/region01/remed/sites/cheshire.html). Carten Controls manufactures carburetors, pistons, rings, valves, and employs 114 people with estimated annual sales of \$8,400,000. -- Carten Controls, Dart's Market (Daniels), February 3, 1996. A newspaper article reported that Carten Controls, a subsidiary of Fulkerson, Inc., relocated in Cheshire in 1993. Carten Controls, Fulkerson, Inc., and Valley National Corporation are all located in the same industrial park. -- "Cheshire Groundwater Contamination," NPL Site Fact Sheet, Region 1, revised April 1998 (www.epa.gov/region01/remed/sites/cheshire.html). Fulkerson, Inc., relocated in Cheshire in 1993. Carten Controls, Fulkerson, Inc., and Valley National Corporation are all located in the same industrial park. -- "Cheshire Groundwater Contamination," NPL Site Fact Sheet, Region 1, revised April 1998 (www.epa.gov/region01/remed/sites/cheshire.html).</p>
Denver Radium	8	113	Yes	Radium processing facility, then brick manufacturing	Home Depot retail store	Commercial	<p>The Denver Radium Site, located in Denver, Colorado, consists of more than 40 contaminated properties. A 47.5-acre portion of the site is suspected to contain radiological hazardous waste. Other sources of radioactive materials present at the site have not been determined. Although presently no serious public health risk from radon decay product/exposure exists, a significant increase in risk could occur if the contaminated materials were to be misused or inadvertently spread. In 1995, Home Depot USA, Inc., offered to buy the property from Radium Controls, Inc. in order to add a retail store as part of its home improvement supply business. The company's offer was entered into a partnership with EPA for a site investigation. The company's liability for the contamination at the site is limited by a deed. Home Depot constructed the protective cap over the consolidated metals contamination and began redeveloping the property in 1995. The construction of the store, parking lot, outdoor garden and lawn area was completed and Home Depot opened for business by the end of 1996.</p>
Coalinga OU2	9	100	No	Asbestos Processing Area	K-Mart and Residential Community	Commercial	<p>The Coalinga Asbestos Mine operated from 1965 to 1976 on a 3-acre site about 17 miles northwest of Coalinga, Fresno County, California. The asbestos site consists of the asbestos mine, a processing mill, support buildings, and asbestos tailings.</p>

<p>Lumino Processes, Inc</p>	<p>4</p>	<p>26</p>	<p>No</p>	<p>Watch factory</p>	<p>McDonalds restaurant</p>	<p>Commercial</p>	<p>From 1952 to 1978, Lumino Processors operated its manufacturing facility on a 1.5-acre site located at the intersection of Highway 78 and the Atlanta Highway. The company made glow-in-the-dark watch and clock dials, popular and useful household items. But the dials glowed because they were painted with radioactive isotopes.</p>
<p>SMS Instruments Inc.</p>	<p>2</p>	<p>25</p>	<p>Yes</p>	<p>Metal degreasing and refurbishing operations</p>	<p>Kitchen, bathroom, and household utensil manufacturer.</p>	<p>Commercial</p>	<p>The 1.5-acre SMS Instruments Site is in a light industrial and residential area of Deer Park, Suffolk County, New York. Past waste disposal practices included discharging untreated wastewater from degreasing and refurbishing operations to an underground leaching pool. The primary contaminants of concern affecting the soil and ground water are VOCs including PCE, TCE, Xylenes, and metals including Chromium and Lead. The site is currently used by Fernanda Manufacturing, a utensil and household item manufacturer. According to Dunn Market Identifiers, the owner, Fernanda Manufacturing has \$2,300,000 in annual sales. Marcus Blvd. Deer Park, NY 11729 TELEPHONE: 516-254-2070</p>
<p>Hedblum Industries</p>	<p>5</p>	<p>18</p>	<p>No</p>	<p>Manufactured automobile parts.</p>	<p>Aircraft tool company</p>	<p>Commercial</p>	<p>Hedblum Industries Site, an automotive parts manufacturing plant, is approximately one mile southwest of the town of Oscoda, in Ausable Township, Iosco County, Michigan. In addition to the plant, the site consists of a ten-acre industrial park, a wetland area, and residences including the Ausable Heights subdivision. Between 1968 and 1972, the previous plant operators discharged cooling water, rinse water, and approximately 4,000 gallons of waste TCE into the ground. In 1973, VOCs were detected in residential wells in an adjacent subdivision. Contaminated wells were replaced with deeper wells which by 1977 also showed traces of contamination. The site was named to the NPL in 1983, and Aircraft Tool Supply purchased the site in 1985. Aircraft Tool Supply, 1000 Old US Highway 23 (Ausable Rd.), Oscoda, MI, 48750, telephone number 517/739-1447 employs 19 people per the American Business Directory, 1998. The Oscoda Chamber of Commerce owned this new business is operating on this 10 acre site, telephone number 517/739-7322.</p>

City Industries, Inc.	4	17	No	Recycling and Transferring Station	Sheet metal work, industrial	Commercial	<p>The City Industries Site is a former hazardous waste recycling and transfer facility in Goldenrod Township, Orange County, Florida. In 1971, a former fuel oil business at the site was developed into a waste handling facility. Activities at the site included receiving, handling, storing, reclaiming, and disposing of various waste chemicals. Improper disposal practices and intentional dumping led to onsite soil and surficial ground water contamination. In 1983, after the state ordered the business closed, the site was abandoned. Cato Steel is currently leasing the property from the owner and is working with EPA to obtain a PPA to purchase the site. The company is subleasing a portion of the site to Quality Metals, Inc and using the remaining portion of the site for access to the main road. The site is located at 3920 Forsyth Road Winter Park, FL 32087. 11/96. Ivana.</p>
Woolfolk Chemical Works	4	17	Yes	Chemical plant	Library and literacy center planned	Commercial	<p>Throughout its history, the Woolfolk facility has been used for the production and packaging of organic and inorganic insecticides (including arsenic and lead-based products), pesticides, and herbicides. During World War II an inorganic intermediate (arsenic trichloride) was reportedly produced at the facility for the War Production Board. Production was expanded during the 1950s to include various organic pesticides, including DDT, lindane, toxaphene, and other chlorinated pesticides. These organic pesticides and other insecticides and herbicides were formulated, packaged, or warehoused at the facility. Peach County Library Board to accept donation of land for building library and literacy center, from Woolfolk, with Gov. from U.S. under CERCLA.</p>
New Castle Spill	3	15	No	Trolley Barn from circa 1900 to 1942. Chemical storage and processing area 1942 - 1960's.	Currently under renovation to serve as the new headquarters for the New Castle Department of Public Works	Commercial	<p>Bob Martin, Administrator, City of New Castle, reported that Witco Chemical donated the site to the city. He reported that the city invested \$700,000 to renovate the 15,000 square foot building, which lies on 3 acres, for use as the new residence of the New Castle Public Works Department. He stated that Public Works employs 15 people and owns 10 vehicles. He reported that the building should be ready November 1st, 1996. Martin advised that the building dates from the turn of the century and originally served as a trolley barn. It serviced trolleys that ran between the city and the City until 1941 or 1942. Martin reported that the building was used for the storage of equipment, as well as a photo of the building when it operated as a trolley barn. 10/9/96.</p>

<p>Whittaker Corp.</p>	<p>5</p>	<p>13</p>	<p>No</p>	<p>Industrial manufacturer</p>	<p>coating</p>	<p>Welding supply company</p>	<p>Commercial</p>	<p>The Whittaker Corp. Site contains several contaminated areas within a 10-acre Whittaker property, which is in an industrial area of northeast Minneapolis, Hennepin County, Minnesota. The Mississippi River flows about 1,200 feet to the west. A residential area begins several blocks to the south.</p> <p>Industrial operations have been conducted at the site from the mid-1940s through 1981. Whittaker has owned most of the site since 1957, when it acquired American Petrochemical Co., the site's previous owner. Tech, a manufacturer of rotary drill pipe, purchased a portion of the site in 1977. Metals and other materials are stored in several buildings on the site. In 1977, Metals and other materials were packaged at the site included paints, industrial coatings, and adhesives. Paints, paint solvents, paint pigments, solvents, and still bottoms are among the wastes that may have been buried or</p>
<p>Oronogo-Duenweg (Jasper Co)</p>	<p>7</p>	<p>12</p>	<p>Yes</p>	<p>Mining activities</p>	<p>Scrap Metal recycling center and the Missouri Dept. of Transportation also plans to use a portion of the site to construct a highway.</p>	<p>Commercial</p>	<p>The Oronogo-Duenweg Mining Belt, also known as the Jasper County site is located in Oronogo-Duenweg, Missouri. Mining, milling, and smelting of lead and zinc ore and concentrates date back to 1850 and continued in the district until the 1970s. Approximately nine million tons of mining/milling and smelter wastes remain on the surface at the site. Additionally, air emissions from historic smelters resulted in contaminated soil surrounding the smelters. Processing of the ore resulted in approximately 150 million short tons of wastes, of which approximately 9 million short tons remain today. A Time-Critical Removal was conducted that included residences where children were observed with high blood-lead concentrations or where soil lead levels were above 2500 parts per million (ppm), and day-care centers with soil lead levels above 500 ppm. The cleanup was performed at approximately 303 residential yards and several day-care centers. This action was concluded in March 1996.</p>	
<p>Kane & Lombard</p>	<p>3</p>	<p>12</p>	<p>Yes</p>	<p>Landfill</p>	<p>Golf driving range</p>	<p>Recreational</p>	<p>The Kane and Lombard Site is an 8.4-acre parcel of undeveloped land in Baltimore, Maryland. Dumping and burning of construction debris, domestic trash and drums occurred at the site from 1952 until 1967 when the city passed an ordinance prohibiting the open burning of refuse. Illegal dumping continued from 1967 until 1984. Developer to build private driving range, reimburse EPA \$1,500,000 and Maryland \$1,000,000, and provide ongoing access and land use restrictions. The parcel will thereby be returned to productive use, and the driving range will be available at no cost to students from the adjacent high school during school hours.</p>	

Sol Lynn/Industrial Transformers	6	11	Yes	Transformer reclamation company and chemical supply company	Commercial	Commercial	<p>The Sol Lynn Site, also known as Industrial Transformers Site, is located in Houston, Texas. In 1981, strong odors originating from the site were brought to the attention of the Texas department of water resources, the predecessor agency of the Texas Water Commission (TWC). Upon inspection, approximately 75 drums were found scattered about the property. Most of the drums, labeled Trichloroethylene, were empty and had puncture holes. The current site occupant is Affordable Communications, 1417 S Loop West, Houston, TX 77054, telephone number 713/797-4500, American Business Directory. The Region reported that this was a continued use site, although it appears that it may be reuse. Additional research will be conducted. Region indicated that groundwater contamination has spread as a result of shoddy cleanup activities. 1/99</p>
Tronic Plating Company	2	11	No	Electroplating and anodizing services	Small businesses on the site	Commercial	<p>\$ 600,000 in annual sales. The Tronic Plating Co., Inc. site comprises 1/2 acre of a 2 1/2-acre lot and is located in a relatively flat area of Farmingdale. Tronic Plating occupied the southeastern corner of a long building in an industrial park area from 1968 to 1984, where it provided electroplating and metal protective coating services for the electronics industry. During its operation, the facility discharged industrial wastes into a sanitary pit and the four underground leaching pools. The storm drains, which were located approximately 40 feet from the northern rear door of the operation, allegedly also were utilized by Tronic Plating to dispense or potentially hazardous effluent. New York State issued a Pollutant Discharge Elimination System permit to Tronic in 1980. Tests conducted by the New York State Department of Environmental Conservation (NYSDEC) in 1985 revealed heavy metals, including lead, cadmium, and chromium in the leaching pits and in the storm drain. The company now is operating in another location. The building space where it formerly operated is occupied by three small companies.</p>
FMC Corp (Yakima Pit)	10	10	No	Pesticide formulations plant	Metal fabricator	Commercial	<p>Ann Dunn, EPA Region 10 reported that this site is currently occupied by a metal fabrication shop. January 1999. The current on-site business is Stephens Metal Products, Inc. 4 W Washington Ave., Yakima, WA 98903-1544, telephone number 509/452-4088, 10 employees with annual sales of \$650,000 per Dunn's Market Services, April 14, 1998. The FMC Corp. (Yakima Pit) site, covering approximately 4 acres in Yakima, Washington, was used as a pesticide manufacturing facility until 1968. From 1962 to 1969, FMC produced various pesticides and soft spray applications. Some of the pesticides that may have been disposed of in the pit include DDT, diazinon, and dieldrin. Other facility practices lead to contamination of an on-site warehouse and the soil beneath drum washing area. There are approximately 10,000 people living within a one mile radius of the site, with the nearest residence located about 200 yards from the site. Area groundwater is used for drinking water, industrial purposes, crop irrigation, and livestock watering.</p>

Ohio River Park	3	10	No	Dumping ground for coke, cement, pesticides, coal tar, benzene, arsenic, mercury and phenols	Sports-recreation center with two indoor ice-skating rinks (one for hockey and one for figure skating) and seating for 1,000 people. A multipurpose indoor auditorium and other sports and an indoor golf facility is also expected.	Recreational	The Ohio River Park site consists of approximately 32 acres on the western end of Neville Island, approximately 10 miles northwest of the City of Pittsburgh. The island is a 32-acre site, formerly known as Island Park. Currently, the indoor skating rink has been completed, and work is set to begin in 1988 on building a dome that will seat up to 1,000 spectators at sporting events. The complex currently employs about 10 people per island Sports Complex, 7800 Grand Ave., Neville Island, PA 15225, telephone number 412/262-3335. Hillman Corporation owns the sports complex. 2/8/89. Neville Land Co. promised to install an impermeable cap over the buried waste, impose surface water controls, set up long-term monitoring and adopt deed restrictions that bar residential use of the property. Region 3, 1988. The Environmental Protection Agency approved the cleanup plan and will oversee its implementation, first by ensuring that the cap is properly designed to prevent the spread of hazardous chemicals from the site. In October 1987 the Responsible Parties met with the public to announce their plans for an on-site sports complex to be developed on the Site. They submitted Remedial
Woodbury Chemical Company (Princeton Plant)	4	9	No	Pesticide and fertilizer formulation	Farm Supply Outlet	Commercial	Woodbury Chemical Co. occupies 3 acres along the west side of U.S. Route 1 in the southeast section of Princeton, Florida. Since 1975, the company has blended technical-grade materials in 50-gallon vats to produce pesticides and fertilizers buildings, as well as several above-ground storage tanks, the majority of which are diked. Most of the facility grounds are wooded. Located at 13690 SW 248th Street, Princeton, FL 33032 per CERCLIS. S & M Farm Supply, Inc. P. O. Box 4319 (physical address, 13690 SW 248th Street) Princeton, FL 33092, telephone number 305/258-0421 is currently renting this site. S & M employs 9 people at this location and generates \$3,000,000 in estimated annual sales. --S & M Farm Supply, Dun's Market Identifiers, May 1, 1988.
Chemical Metals Industries	3	7	No	Consisted of two nearby sites: A precious metals recovery facility and gas station.	The former gas station is now a small neighborhood park with a parking area. The metals recovery facility has been converted into a Maryland Department of Environmental Protection Field Office.	Recreational/Government	Chemical Metals Industries, Inc., manufactured copper sulfate and recovered precious metals. The site consists of 2 areas separated by approximately 20 row houses. Wastes on-site include acids, caustics, cyanides, and ammonia. An O'Connell, Chief of Site Assessment, Maryland Department of Environmental Protection (MDDEP), reported that the Chemical Metals Industries site consisted of two contaminated areas: a former gas station and former precious metals recovery operation. He stated that the building that housed the metals recovery operation was converted into a regional MDDEP office around 1986. He reported that this office houses a spill response unit and an emergency removal unit. He advised that 7 full-time employees work at the office. He related that the former gas station area is capped and finds use as a small park (approximately 40 by 50'). He reported that Alan Williams, 2103 Annapolis Road, Baltimore, Maryland 21230, telephone number 410/333-2960, currently heads the Regional Office. Confirmed 10/18/88.

Middletown Road	3	6	No	Unregulated dump site	Owner operates auto body repair business on the property.	Commercial	Dale H. Dickerson, the site owner, operates an auto repair/salvage business on this site according to EPA, apparently under the name Dale's Hauling and Trash Removal, 1461 Middletown Road, Annapolis, MD 21401, 410/974-0838, which employs 6 people according to Dun's Market Identifiers. Dickerson also operates a bail bond business, Dale Dickerson, Inc., 1461 Middletown Road, Annapolis, MD 21401, telephone number 410/757-6152, which employs 1 person according to Dun & Bradstreet, 1/89.
H e l l e r t o w n Manufacturing Co	3	6	No	8 acre site: manufactured spark plugs	Small Manufacturer	Commercial	The 8.64-acre Hellertown Manufacturing Site is an inactive spark plug manufacturing facility in Northampton County, Pennsylvania, approximately 1.5 miles south of Bethlehem. From 1930 to 1975, Chemical wastes including TCE, Zinc plating waste, Chrome Dip waste, Cleaners, and cutting oils generated during plating and degreasing processes were disposed of onsite in unlined lagoons. A new business, Creative or RI Structures, is apparently operating in a trailer on-site. It is located at 1770 Main Street, Hellertown, PA 18005, telephone number 610/317-1566, and employs 0 people with \$660,000 in annual sales per RI Structure, Dun's Market Identifiers, 1998.
Tri-City Conservation Oil	4	3	No	Waste oil collection and distribution center	Gas/Service Station	Commercial	Mike's Garage, 8787 N 50th Street, Temple Terrace, FL 33167, telephone number 813/989-5889, located on the former Tri-City site, reported that it recently expanded by building a six bay garage on an adjacent lot. Mike's Garage reported that it has been a "wonderful site for us." Mike's Garage employs 3 full-time mechanics and usually a front counter man. 11/17/98, J.

French, Ltd.	6	3	No	Waste pit	A small management consulting services firm currently operates on the property and local residents now use the restored marshland for nature walks and fishing.	Commercial/Recreational	<p>The French Limited, Inc. Site, is a 22.5-acre tract of land, located in Harris County Texas. The site is situated one mile east of the San Jacinto River approximately 300,000 cubic yards of industrial wastes from area petrochemical companies were deposited in an unlined 7.3-acre pit, formerly an active sand pit. After the initial feasibility studies, EPA's preferred cleanup solution was incineration, a method proven to destroy contaminants in the sludge. However, burning these wastes was extremely expensive and would take an estimated five to seven years to complete. As a result EPA approved of bioremediation. Remediation of the lagoon is now complete, and use of this innovative technology saved about \$ 70 million and substantially reduced the cleanup duration. 25 acres of wetlands were created at the site per "French, Ltd. NPL Site Fact Sheet, 1998, retrieved from the World Wide Web, January, 1999. http://www.epa.gov/region06/rsf6sf-tx.htm. The Site located at SAN JACINTO RIVER CROSSING, CROSSBY, TX 77532.</p>
Pesses Chemical Co	6	3	No	Cadmium reclamation	Salvager of Damaged Commercial Goods/Computers	Commercial	<p>3412 Creekband Dr The 4.2-acre Pesses Chemical Company Site is located in Tarrant County, Ft. Worth Texas. The Pesses Company began operations to reclaim Cadmium and Nickel from dry-cell batteries and metal sludges (without the requisite construction or operation permits). During July and August 1993, excessive rain caused the site to be investigated by both the city and air pollution control offices. The former Pesses Company site is now occupied by Singer Metal Company. Singer Metal employs 7 people with annual sales of approximately \$200,000 (Inland). Singer Metal salvages damaged computers and other merchandise -- "Singer Metals Company." Dun's Market (September 8, 1998. Comments: Singer Metals now occupies site. Source: Current site occupant from Emmanuel Ndame, Texas Natural Resources & Conservation Commission. Job totals from American Business Directory. Acreage 4.2 acres 1/7/98; 2 acre landfill area is very steep--no reuse planned covered with cement cap has potential for parking lot or (unlikely) skateboarding/basketball. Located in heavy industrial area; industrial storage most likely reuse. Source: Brian Boerner, Fort Worth Dept. of Environmental Management</p>
Weibach General Mantle Contamination	2	3	Yes	Gas mantle manufacturing	Purchased by Rosey's Pit Cleaning for commercial expansion	Commercial	<p>Purchaser plans to rehabilitate the abandoned 1.7 acre property which was previously contaminated with radioactive substances from gas mantle manufacture, expanding its business and providing jobs in a depressed area. Rosey's Pit Cleaning, 301 Winslow Street, Camden, NJ 08104, telephone number 609/963-3316, which signed the 1997 FPA to use the property. Rosey's Pit Cleaning employs 3 people -- "Rosey's Pit Cleaning." Dun's Market Identifiers, February 13, 1998.</p>

Kysowaty Farm	2	3	No	In Hillsborough, N.J., a ravine along a dump known as the Kysowaty farm was contaminated with 500 drums of paint and dye.	Plant/Nursery	Commercial	The Kysowaty Farm is located on a 42-acre tract of land in Hillsborough Township, New Jersey. The disposal of chemical wastes at the site was reported to have occurred between 1965 and 1970. An estimated 500 drums of paint and dye wastes were dumped, crushed, and buried at the site. In a June 1988 Record of Decision (ROD), it was determined that residential plumbing systems in the two Ocean County communities were the primary cause for lead contamination in drinking water with a minor contribution from the native ground water in these areas.
Arkansas City Dump	7	2	No	Refinery/dump	Small businesses; redevelopment - industrial park	Commercial	The Arkansas City Dump, Cowley County, Kansas, near the Arkansas River, was once the location of the Millikan Refining Co., which was destroyed by an explosion in the mid-1920s. A series of ponds holding aqueous wastes covered 5 acres of land. In addition, 0.5 acre of ponds have been filled in. Analyses detected trace amounts of toxic organic compounds (polynuclear aromatics) in ground water near the disposal areas. Most of the site is owned by a local development corporation and by Arkansas City. It has been divided into tracts and sold to small businesses. In July 1981, EPA awarded a \$44,700 Cooperative Agreement to Kansas, under the Resource Conservation and Recovery Act. The funds are for a remedial investigation to determine the type and extent of contamination at the site and a feasibility study to identify alternatives for remedial action.
Chisman Creek	3	1	No	27 acre site: fly ash from a nearby power station was dumped on the site in a series of abandoned gravel pits	Recreational park facility with sports fields and walking trails	Recreational	The Chisman Creek site located in York County, Virginia, is a 27-acre site in the Chisman Creek watershed, a tributary of the Chesapeake Bay. The contamination at the site consisted of four former sand and gravel pits in which fly ash from the now-closed Generating Station was disposed from 1957 to 1960. It is estimated that 100,000 tons of ash were placed in the pits during this time period. In the early 1960s, the Virginia State Board of Health, the Virginia State Water Control Board, and the Virginia Institute of Marine Science sponsored a study of the surface water in the area of the pits in response to homeowner reports of discolored well water. Following cleanup in 1980, two recreational park facilities were developed on top of the capped areas. Development of the parks was a natural extension of site cleanup. Virginia Power leveled and graded the site, so that York County could finish the redevelopment by building the park structures and sodding the fields. The 13-acre Chisman Creek Park opened in 1991 and has two lighted softball fields, restrooms and a parking lot. Wolf Trap Park's 28 acres feature 4 soccer fields, restrooms, a parking lot, two ponds, and the County's Memorial Tree Grove. The fields are operated and

<p>DuPage County Landfill/Blackwell Forest Preserve</p>	<p>5</p>	<p>T.B.D. No</p>	<p>Approximately 2.2 million cubic yards of wastes were deposited in the 40-acre landfill between 1965 and 1973. The landfill created Mt. Hoy which is approximately 150 feet above the original ground surface.</p>	<p>The site was converted to a recreation area with picnic and camping areas, trails, a lake and a 720-foot sledding and hiking hill christened Mt. Hoy.</p>	<p>Recreational</p>	<p>The DuPage County Landfill/Blackwell Forest Preserve site covers approximately 40 acres within the 1,235-acre Blackwell Forest Preserve. Though parts of Blackwell were closed on and off during cleanup activities, the district had made a concerted effort to cause as little disruption as possible in the preserve and surrounding neighborhoods. The project was done in compliance with an agreement between the Forest Preserve District and the EPA and funded by royalties generated by users of landfills at Mallard Lake and Greene Valley. It involved the construction and installation of a system designed to limit the possibility of landfill contaminants leaking into nearby groundwater. Snow tubing is permitted at Mt. Hoy, a former landfill, on weekends and most school holidays, provided there is at least 3 inches of snow on the ground. Those who wish to find out if there is enough snow can call the district's Outdoor Report at 630-942-6900 for a recorded message about recreation activities. Snow tubes must be rented at the site. Concurrently, a monitored natural attenuation Record of Decision (ROD) is scheduled to be completed by September, 1998.</p>
<p>D e r e w a l C h e m i c a l Company</p>	<p>2</p>	<p>T.B.D. No</p>	<p>Chemical manufacturing</p>	<p>Part of the site will be used as a bike path</p>	<p>Ecological/Recreational</p>	<p>EPA ROD included the bicycle path. This path was rerouted during cleanup and has been restored along with a surrounding wetlands. The township intends to create a Historical, Environmental, and Recreational Center at the site. From 1970 to 1973, the DeRewal Chemical Company used the site for the storage of chemicals. Chemicals handled included a range of metals, acid solutions, and fertilizer nutrients and associated compounds. Numerous chemical spills were reported in 1973, including one incident in which the contents of a tank truck containing an acidic chromium solution were allowed to drain onto the soil. The area formerly occupied by the company was sold in 1979. The site is located within the 100-year floodplain of the Delaware River, which is used for recreation. Several residences are located near the site. The population of Kingwood Township is about 3,800.</p>
<p>Hiteman Leather</p>	<p>2</p>	<p>T.B.D. No</p>	<p>Leather Tanning facility</p>	<p>Storage facilities</p>	<p>Commercial</p>	<p>The Hiteman Leather Company site is located at 173 South Street (Route 51) in the rural Village of West Winfield, Henninger County, New York. The features of the site are generally comprised of several deteriorating buildings, three interconnected wastewater settling lagoons (30 to 50 feet by 150 to 340 feet each), a 2-acre wetlands area adjacent to the lagoons, and a section of the Unaadilla River.</p> <p>The site was operated as a leather tanning facility from 1920 to 1968 when it was closed, and has been inactive ever since with the exception of utilizing the buildings for storage intermittently.</p>

<p>American Crossarm</p>	<p>10</p>	<p>T.B.D.</p>	<p>Smelter</p>	<p>Light industrial park developed, park land already planned; a new building has been constructed and wetlands have been restored</p>	<p>Commercial/Ecological</p>	<p>American Crossarm operated during 1948-83, primarily treating and selling laminated utility pole crossarms. The wood treatment process used pentachlorophenol (PCP) and creosote. Waste waters were discharged into an unlined surface impoundment. American Crossarm & Conduit Co. formerly operated on a 15-acre site within the city limits of Chehalis, Lewis County, Washington, close to several local residences and businesses. The Chehalis River is about 1 mile to the southwest, and a tributary, Dillenaugh Creek, flows past the site into the river. Two fresh water wetlands are within 1 mile of the site. The site was remediated using a combination of incineration and dig haul to AW approved site. A new building has already been built at the site and wetlands have been restored at the site. -- Ann Dunn, EPA Region 10, January 1999.</p>
<p>LaBounty Site</p>	<p>7</p>	<p>T.B.D.</p>	<p>Manufacturer of veterinary pharmaceuticals</p>	<p>Equipment Storage for Construction Company</p>	<p>Commercial</p>	<p>The LaBounty site occupies 8.5 acres on the Cedar River floodplain at the southern edge of Charles City, Iowa. From 1963 to 1977, Salsbury Laboratories, a manufacturer of veterinary pharmaceuticals, disposed of 6.4 million cubic feet of arsenical sludge and organic wastes on the site. Leachate from the site is contaminated with 36 chemicals, some containing metals. Leachate-contaminated ground water discharges from a shallow aquifer into the Cedar River, but the deeper aquifer is not presently contaminated. The river and the deeper aquifer combined supply drinking water to more than 300,000 people, about 1/3 of Iowa's population. The Charles City Engineer reported that Allied Construction currently occupies a portion of the former LaBounty site and site. He advised that Allied Construction stores equipment at the site. 11/19/98, JK.</p>
<p>Modesto Ground Water Contamination</p>	<p>9</p>	<p>T.B.D.</p>	<p>Dry Cleaning</p>	<p>Machine Shop</p>	<p>Commercial</p>	<p>Several city wells were polluted with PCE and needed to be taken off line. Information on the soil and ground water contamination (PCE) at the site was collected during a removal assessment in 1990, and a soil vapor extraction system was installed to address shallow soil contamination. Subsequent investigations determined that no immediate concern existed with the soil vapor extraction system was installed until a final remedy is selected. The state added to the NPL in 1998. EPA performed preliminary investigations and determined that immediate actions were required while the final cleanup is being planned. -- Modesto Ground Water Contamination, NPL Site Fact Sheet, Region 9, 1998. Mike Montgomery, Region 9 indicated that a machine shop now occupies the former premises of the dry cleaning company, which recently closed.</p>

<p>East Helena</p>	<p>8</p>	<p>T.B.D.</p>	<p>No</p>	<p>Lead Smelter Contamination</p>	<p>School residential and commercial areas are planned</p>	<p>Commercial/Government/Residential</p>	<p>The 80-acre East Helena Site, in East Helena, Lewis and Clark County, Montana, is a primary lead smelting facility that has been in operation since 1888. Fricky Peak Creek flows near the site and has been found to contain elevated levels of Arsenic and Lead. Air quality and soil investigations also revealed the presence of contaminated soil in East Helena residential areas, contaminated process ponds over shallow ground water near the plant, and elevated blood-lead levels in school children. Remediation included waste removal, soil treatment and capping. A school has been constructed on a 20 acre parcel of treated soil, and a residential/commercial area is planned on an additional 20 acres. Other residential areas, for which the utilities have been laid, will be constructed on a further 10 acres. Agricultural use is occurring on another 140 acres of land of treated soils; Kennedy park has expanded onto 3 acres. LaCasa Subdivision has built a baseball field on a treated/capped area, and Lower Lake is in the process of excavation/redevelopment of wetlands. Regional Coordinator, Region 8, January 1999</p>
<p>Continental Steel Corp.</p>	<p>5 T.B.D.</p>	<p>Yes</p>	<p>Steel scrap reclamation</p>	<p>Purchased by Just-a-Wee for floral warehouse</p>	<p>Commercial</p>	<p>The Continental Steel Corporation site is located on West Markland Avenue in Kokomo, Indiana. The site encompasses about 183 acres and consists of an abandoned steel manufacturing facility, a pickling liquor treatment lagoon, a former waste disposal area, and a former waste disposal and slag processing area. Throughout its history, the plant produced nails, wire, and wire fence from scrap metal. Operations included reheating, casting, rolling, drawing, pickling, annealing, hot-dip galvanizing, tinning, and oil tempering. The steel manufacturing operations at the plant included the use, handling, treatment, storage, and disposal of hazardous materials. Following site cleanup, Just-a-Wee will use adjacent property for floral warehouse.</p>	
<p>Peterson Sand & Gravel</p>	<p>5 T.B.D.</p>	<p>No</p>	<p>Quarry</p>	<p>Lake/outdoor recreation area that will include an educational center, banquet rooms, boat launch, canoes, picnic area, swimming beach, and hiking trails.</p>	<p>Recreational</p>	<p>The Peterson/Puritan site is an area of heavy industrial and commercial facilities located in the towns of Lincoln and Cumberland, Providence County, Rhode Island. Land use in the area is mixed industrial, commercial, residential, and recreational. The site includes the industrial facilities in the vicinity of Main Street, the J.M. Mills Landfill, State and town recreation areas, dispersed woodlands, grass meadows, wetlands, the Blackstone River and adjoining canal, and the affected municipal water supply wellfields in the towns of Cumberland and Lincoln. Andrew Kimmel, Director, Environmental Education and Public Affairs, Lake County Forest Preserve reported that the former quarry is in the final stages of redevelopment and will include a public recreation area. He advised that the lake shore is complete and public facilities, which are under construction, should be open in the year 2000. He stated that the public facilities will include an education center, banquet rooms, boat launch, canoes, picnic area, swimming beach, and hiking trails. A fishing habitat has also been established in the lake. Confirmed 9/98</p>	

Cooper Road	2	T.B.D.	No	Midnight dumping area	Residential Homes	Residential	<p>The Cooper Road Site consists of a 100-square foot dumping area located in Voorhees Township, Camden County, New Jersey. In 1982, several dozen one-to-two ounce glass vials containing unknown liquids were discovered at the site. Upon request by NJDEP, the new owners removed all vials and six inches of underlying soil. Subsequent sampling of soil and ground water indicate no contaminants present above normal background levels. EPA determined that no significant risk or threat to public health and the environment exists and therefore no further action will be taken at this site. "New residential developments within the site area are being placed on the municipal water service." - "Cooper Road Dump," NPL Site Fact Sheet, Region 2, Revised April, 1988.</p>
Monroe Township Landfill	2	T.B.D.	No	Municipal and household waste landfill	Residential Development	Residential	<p>The 86-acre Monroe Township Landfill site is a municipal landfill located in Monroe Township, Middlesex County, New Jersey. In 1978, the State ordered the site closed when leachate seeped onto residential property. In 1979, the State required construction and operation of a leachate collection and storage system, and the construction of a clay and soil cap. This 86 acre site is capped. - "Monroe Township Landfill," NPL Site Fact Sheet, April, 1988.</p>
Lansdowne Radiation	3	T.B.D.	No	Manufacturing of enriched uranium ore	Residential (new home built); Residential properties were backfilled and seeded with grass	Residential	<p>The Lansdowne Radiation Site consists of a duplex located at 105/107 East Stratford Avenue in Lansdowne, Pennsylvania. The building is located on a side street in a residential area, approximately two miles from Philadelphia. The site, known as the Lansdowne Radiation properties, became contaminated in the 1940s when a physics professor performed radium extraction experiments and burned radioactive waste in the home's fire place. Currently, two new residential family homes have been built on the former site, and the properties have been backfilled and seeded with grass.</p>

Enterprise Avenue Site	3 T.B.D.	No	Unauthorized dumping ground for sludge, solvents, oils and resins	New commuter runway at Philadelphia International Airport (under construction and scheduled for completion in 1999).	Commercial/Infrastructure	<p>The Enterprise Avenue Site encompassing approximately 57 acres is located within the city of Philadelphia. It has been determined that the site is contaminated with industrial and chemical wastes from the unauthorized disposal of approximately 5,000 to 15,000 drums containing paint sludges, solvents, oils, resins, metal finishing wastes, and solid inorganic wastes. Victor Velez, Roy Weston, reported that a commuter runway for the Philadelphia International Airport is being constructed on this site. He stated that the runway is scheduled to be completed next year. He advised the construction cost of the project is \$200 million, but it will save the airport approximately \$70 million a year through reduced delays and increased traffic. He stated that the runway is a "great example of Brownfield development." 10/19/98.</p>
Mid-Atlantic Wood Preservers	3 T.B.D.	Yes	Wood treatment facility	Parking lot for neighboring industry	Commercial	<p>The 3 acre Mid-Atlantic Wood Preservers site originally operated as a wood treatment facility in Harmons, Maryland. Investigations by the state in 1976 revealed that soil and ground water contamination by Chromium and Arsenic was the result of an overflow pipe from a CCA storage tank. In January 1994, EPA signed a PPA with an adjacent property owner, Gunther Transport, which currently uses the property for extra corporate parking. Gunther Transport is performing the long-term monitoring. -- "Mid-Atlantic Wood Preservers, Inc." EPA Fact Sheet, Region 3, April, 1998.</p>
BEC Trucking	2 T.B.D.	No	Truck Body Manufacturing	Part of land used for storage of construction equipment, saw mill operations, No Action ROD	Commercial	<p>According to EPA's Record of Decision, John E. Walsh, the current site owner, stores construction equipment on site and operates a wood cutting machine. This property was purchased in 1983 by Cogs, Inc., which was later purchased by John E. Walsh. Walsh is the owner of Walsh & Sons Construction Corporation, 3209 Vestal Parkway E. Vestal, NY 13850-0670, telephone number 607725-0670. Walsh's construction company employs 20 people and grosses \$3,000,000 in sales per year. -- "Walsh & Sons," Dun's Market Identifiers, January 8, 1998.</p>

Spokane Junkyard	10	T.B.D.	No	The site was used for almost 50 years to store cars, heavy equipment, appliances, batteries, and electrical transformers.	Sports fields	Recreational	<p>The Spokane Junkyard/Associated Properties site covers 10.5 acres in a light commercial and residential area in Spokane, Spokane County, Washington. From the 1940s until 1983, the Spokane Junkyard accepted military surplus items, automobiles, heavy equipment, appliances, and electrical transformers. On July 15, 1987, an explosive fire consumed the Spokane Junkyard.</p> <p>Following the 1987 fire, EPA used CERCLA emergency funds to transport 140 drums of hazardous liquids and solids and 140 cubic yards of asbestos to regulated landfills, property. An inquiry has been made with Paul Crutchfield, Assistant Director of Parks, Spokane, telephone number 509/625-6455. Crutchfield stated "We told city officials we are not able to develop even the park land we have acquired to this point. The Bemiss site would just sit there as conservation land and not be developed," said Crutchfield. Spokane Youth Sports, however, has continued interest in the land for sports fields. 1/15/88, Jk. Site covers 16 acres. Address confirmation: CERCLIS, IPL Fact Sheet, Yahoo, 1/7/99. Spokane Youth Sports Authority (SYSA) purchased the site and has scheduled for completion.</p>
Plymouth Harbor/Cannon Engineering Corp.	1	T.B.D.	No	Industrial park.	Propane distribution business	Commercial	<p>The Plymouth Harbor/Cannon Engineering Corp. Site occupies 0.5 acre in an industrial park in Plymouth, Massachusetts. About 20 yards from the shores of Plymouth Harbor are two above-ground 250,000-gallon tanks and one 500,000-gallon tank containing mixed solvents and oily wastes. Several seams have leaked, contaminating soils around the tanks. Ground water contamination could not be documented because there are no wells and numerous potential sources of contamination. "In 1986, a part of the site was being developed as a propane distribution business. The business was located in downtown Bridgewater and the need for relocation came about as a result of the development of the Old Colony Railroad project. The site was determined to be suitable for this type of use." - Cannon Engineering Corp. (NPL Site Fact Sheet, Region 1, Released April, 1988) Jackson County Planning & Development, Town of Plymouth, 568/539-4105, reported that the portion of the property where actual cleanup took place is vacant and for sale. 10/6/88.</p>
Poer Farm	6	T.B.D.	No	Storage area for 275 drums of paint wastes	Agriculture - Soy beans and corn	Agricultural	<p>The 4.5 acre site is located about 4 miles north of Charlottesville, Indiana. Prior to cleanup, the site consisted of little more than a collapsed house and barn. Diane Blucher, Jackson Township Trustees, reported that she recently visited the Poer Farm site and reported that it is being used to grow corn and soybeans. She advised that it is in a rural area, with a small road front. 1/19/96, Jk. The Poer Farm site, which covered 6 acres, is located near Jackson Township, IN 46140 per CERCLIS.</p>

Rosen Brothers Scrap Yard/Dump	2	T.B.D.	Yes	Wire manufacturing and scrap yard	Part of the site (5 acres) will be used for an access road to an intermodal rail facility	Commercial	Rosen Brothers Scrap Yard/Dump covers approximately 20 acres adjacent to a residential/commercial area in Cortland County, New York. Municipal waste, industrial waste, construction waste, timbers, and drums had been disposed of in an unlined open dump. A removal to clean up a 5-acre part of the site was completed in December 1998. EPA negotiated a Prospective Purchaser Agreement for this part of the site. The town obtained a \$200,000 grant for funding an access road. Construction is expected to begin in the Spring of 1999.
Crystal City Airport	6	T.B.D.	No	Private Airport and Crop Dusting Operation	Public Airport	Commercial/Government	The Crystal City Airport Site, comprising approximately 120 acres, is located in Zavala County, Texas. In 1949, the city leased the facility to a private pesticide application business at the airport until 1982. In April 1983, the Texas Department of Water Resources investigated this site because of the potential threat to local residents of waste pesticides left by applying companies no longer in operation. Subsequent sampling showed that surficial soil at the site was highly contaminated with pesticides. Ramon de la Fuente, City Manager, Crystal City reported that the Crystal City Airport is operating again. He advised that Crystal City's Parks & Recreation Department maintain the airport grounds. He reported that no full-time city employees work at the airport. 11/25/98, JK. EPA's NPL Fact Sheet reported that the airport was closed to public during clean-up activities, and completion of the remediation allowed it to be returned to use. --"Crystal City Airport," NPL Site Fact Sheet, March 1998.
Cecil Lindsey	6	T.B.D.	No	Salvage Yard and municipal dump	Residential/Agricultural	Agricultural/Residential	The Cecil Lindsey site is located in Northeastern Arkansas. From the 1970's until 1980, the site accepted waste for salvage or disposal. Site covers 5.2 acres in rural NE Arkansas. Very limited action taken. Deleted from NPL 8/22/89, 2/17/99; Region 6 lists farming and residential as current use. JK SEC 32 T12M R2W NEWPORT, AR 72112

Whitmyer	3	T.B.D.	No	Agricultural products manufacturer	Lawn and Garden Services Store area planned	Commercial	<p>Whitmyer Laboratories formerly manufactured animal pharmaceuticals on a 17.5-acre site in Jackson Township, Lebanon County, Pennsylvania. The facility produced and stored aniline and soluble arsenic compounds. Arsenical wastes were disposed of in concrete vaults, holding tanks, and unlined lagoons.</p> <p>We have been speaking with local officials about the possible reuse of this site as a recreational facility with baseball fields, bike and walking paths. Issues of private property ownership do need to be worked out however.</p> <p>SmithKline Beecham Corp. and Rohm and Haas Co. agreed to pay \$ 165,211 in oversight costs in connection with the cleanup of the Whitmyer Superfund site in Lebanon County, Pa. The charge is in addition to a payment of \$ 1.4 million for direct response costs at the site. The companies sought relief from the indirect costs from A. portion of the Superfund site was developed into a storm drainage ditch and sidewalk that support the a strip mall that has been built next to the site.</p>
Center County Kepons	3	T.B.D.	No	Chemical manufacturer	Sidewalk and drainage ditch	Infrastructure	
Berks Landfill	3	T.B.D.	No	Landfill	Currently, a weekly antique auction is held in the former landfill scale house.	Commercial	<p>Berks Landfill is in Spring Township, Berks County, Pennsylvania. The site consists of two unlined landfills: an active 43-acre unit and an inactive 17-acre unit. The owner started operating the now inactive unit in the 1960s. Starting in 1979, Stabatrol Corp. operated within the unit, disposing of stabilized alkali sludges with approval of the Pennsylvania Department of Environmental Resources. The local township plans to purchase a portion of the Site to use as a maintenance and storage facility. The site is also being preserved as a meadow for animal habitation over part of the old landfill. Also, PRPs have discussed turning portions of the Site over to local govt for open space.</p>

<p>McColl is a former refinery waste disposal site located in a residential area of Fullerton, California. The site was previously used as a disposal area for food sludge wastes from the production of high octane aviation fuel. During the late 1950s, hotspots were covered with natural fill during the expansion of the adjacent Los Coyotes Country Club. As construction proceeded, EPA became aware of the contamination of the property. Following the \$ 16 million cleanup effort, EPA decided in returning three holes that had originally planned to be filled, and allowed for their long awaited integration into the other holes of the Los Coyotes Country Club.</p> <p>The golf course-part of Los Coyotes Country Club-has a lake that acts as a storm water collection pond and one hole actually sits on top of a waste pit. The cap's protective membrane keeps water from seeping into the ground and consists of alternating layers of sand with high-density polyethylene, a layer of cobbles for water drainage and a protective layer of vegetative cover soil. A network of pipes collects carbon gases and transports them to an on-site treatment plant.</p>	<p>Ecological/Recreational</p>	<p>Golf Course and wildlife sanctuary</p>	<p>Waste disposal facility</p>	<p>No</p>	<p>9 T.B.D.</p>	<p>McColl is a former refinery waste disposal site located in a residential area of Fullerton, California. The site was previously used as a disposal area for food sludge wastes from the production of high octane aviation fuel. During the late 1950s, hotspots were covered with natural fill during the expansion of the adjacent Los Coyotes Country Club. As construction proceeded, EPA became aware of the contamination of the property. Following the \$ 16 million cleanup effort, EPA decided in returning three holes that had originally planned to be filled, and allowed for their long awaited integration into the other holes of the Los Coyotes Country Club.</p> <p>The golf course-part of Los Coyotes Country Club-has a lake that acts as a storm water collection pond and one hole actually sits on top of a waste pit. The cap's protective membrane keeps water from seeping into the ground and consists of alternating layers of sand with high-density polyethylene, a layer of cobbles for water drainage and a protective layer of vegetative cover soil. A network of pipes collects carbon gases and transports them to an on-site treatment plant.</p>
<p>The Lorenz Barrel & Drum site served as an inactive drum recycling facility just outside of San Francisco Bay in San Jose, Santa Clara County, California. The site consists of the 6.72-acre former Lorenz Barrel & Drum facility, a limited amount of adjacent City of San Jose sidewalk property, and a shallow ground water plume extending north of the site. Land use in the area is mixed industrial, commercial, residential, and recreational. In addition, the site features include shallow and deep aquifers; a contaminated shallow ground water plume area, a storm water retention pond; a contaminated storm water retention pond; an open storage bin located adjacent to the processing facility; various piles of wood, rusted metal debris, and numerous empty and nonhazardous drums.</p>	<p>Infrastructure</p>	<p>Parking Lot</p>	<p>Lorenz Barrel & Drum Co recycles drums. The site is 5-acre</p>	<p>No</p>	<p>9 T.B.D.</p>	<p>The Lorenz Barrel & Drum site served as an inactive drum recycling facility just outside of San Francisco Bay in San Jose, Santa Clara County, California. The site consists of the 6.72-acre former Lorenz Barrel & Drum facility, a limited amount of adjacent City of San Jose sidewalk property, and a shallow ground water plume extending north of the site. Land use in the area is mixed industrial, commercial, residential, and recreational. In addition, the site features include shallow and deep aquifers; a contaminated shallow ground water plume area, a storm water retention pond; a contaminated storm water retention pond; an open storage bin located adjacent to the processing facility; various piles of wood, rusted metal debris, and numerous empty and nonhazardous drums.</p>
<p>The West Seattle wood treating plant of Pacific Sound Resources (PSR) is located at 2807 Southwest Florida Street in Seattle, King County, Washington. The 20-acre property is in an industrial area on the shore of Elliott Bay and Puget Sound, near the Duwamish River. Wood treatment operations at the West Seattle plant have contaminated soil, ground water, and Puget Sound sediments with creosote, PCB, fuel oil, and chernomite metals. Heavy metals and PAHs were found in Elliott Bay by the Washington Department of Ecology and EPA in 1988. Hazardous substances from the site can flow overland from the site to Elliott Bay through storm drains, direct surface runoff, flooding, and accidental spills or drips. The bay is a fishery, a critical migratory corridor for anadromous fish, and a subarea identified in the Comprehensive Conservation and Management Plan for the Puget Sound National Estuary.</p>	<p>Commercial</p>	<p>Part of container port expansion project</p>	<p>Wood treater</p>	<p>No</p>	<p>10 T.B.D.</p>	<p>The West Seattle wood treating plant of Pacific Sound Resources (PSR) is located at 2807 Southwest Florida Street in Seattle, King County, Washington. The 20-acre property is in an industrial area on the shore of Elliott Bay and Puget Sound, near the Duwamish River. Wood treatment operations at the West Seattle plant have contaminated soil, ground water, and Puget Sound sediments with creosote, PCB, fuel oil, and chernomite metals. Heavy metals and PAHs were found in Elliott Bay by the Washington Department of Ecology and EPA in 1988. Hazardous substances from the site can flow overland from the site to Elliott Bay through storm drains, direct surface runoff, flooding, and accidental spills or drips. The bay is a fishery, a critical migratory corridor for anadromous fish, and a subarea identified in the Comprehensive Conservation and Management Plan for the Puget Sound National Estuary.</p>

<p>Central Chemical</p>	<p>3 T.B.D.</p>	<p>No</p>	<p>Agricultural Manufacturer</p>	<p>Chemical</p>	<p>Power Sub-station</p>	<p>Infrastructure</p>	<p>The Central Chemical Site consists of a 19 acre parcel of land located in Hagerstown, Maryland. From the early 1930's until the mid-1980's, the chemical plant at the Site functioned as a blender of agricultural pesticides and fertilizers. Raw pesticides manufactured at other locations were blended with inert materials to produce commercial grade products using air and hammer mills and wetting agents. Waste materials from the manufacturing processes, including waste generated during the cleaning of the processing equipment, were allegedly disposed of onsite in an old stone quarry. An electrical substation owned by the City of Hagerstown is located in the northeast corner of the property. A new subdivision is located to the northeast of the site near the substation, not fifty feet from the site fence line. -- "Central Chemical," NPL Site Fact Sheet, Region 3, February 1988. Retrieved January 15, 1998 from the World Wide Web: http://www.epa.gov/region3/superfund/chemical/pa01.htm. Recommended by Region 3 as a Reuse/Redevelopment site, 12/98.</p>
<p>Whiteford Sales and Service (WSS)</p>	<p>5 T.B.D.</p>	<p>No</p>	<p>Truck washing and leasing facility</p>	<p>Truck washing and leasing</p>	<p>Overpass</p>	<p>Infrastructure</p>	<p>"The Whiteford Sales and Service Inc. (Whiteford) site covers approximately 11 acres and is located in South Bend, Indiana, at the corner of Olive and Sample Streets. From 1967 until 1983, the site was the location of a truck washing and leasing facility. Detergents and solvents were known to have been used at the facility. In 1980, St. Joseph County purchased the property, and truck washing activities continued at the site until 1983 when the county began construction of an adjacent street overpass. During the overpass construction of the overpass, it was discovered that the facility contains just below ground level organic and inorganic chemical compounds. In 1988, over 200 cubic yards of soil and sludge from wells and pits beyond the walls of the wells were excavated and disposed of. The site currently serves as a stormwater retention basin and receives run-off from the adjacent overpass and surrounding areas. -- "Whiteford Sales & Services," NPL Site Fact Sheet, EPA Region 5, April 1996.</p>
<p>Delaware Sand and Gravel</p>	<p>3 T.B.D.</p>	<p>No</p>	<p>Industrial Waste Landfill</p>	<p>Equipment Storage</p>	<p>T.B.D.</p>	<p>T.B.D.</p>	<p>Delaware Sand and Gravel is a 44-acre landfill located approximately two miles southwest of New Castle, Delaware. Beginning in 1960, the landfill accepted municipal waste until the late 1980's. Beginning in 1986, the landfill accepted 1.9 million cubic yards of refuse were landfilled at the site. The site is currently recommended by Region 3, Peter Schaul, Delaware Sand & Gravel (New Castle, Delaware), EPA ID -- Currently vacant, however, a five acre portion of the site can be been made with a "wear surface," in order to support a light industrial facility. DS&G is the "sister site" of Army Creek Landfill, located outside New Castle, Delaware. "Delaware Sand & Gravel," NPL Site Fact Sheet, EPA Region 3, August 1997. CERCLIS reported that the DS&G site is located at 229 Grantham Lane, New Castle, DE 19720.</p>

Tofdahl Drums	10 T.B.D.	No	Drum Cleaning and Re-sale Operation	Residential Homes	Residential	<p>Tom White, SW Washington Health District, reported that the former Tofdahl Drums site is now occupied by seven to nine single family homes. He stated that some of the homes appeared to be about ten years old. White indicated that he noted the site within the last few days. 10/22/98. The site was formerly located at 22033 NE 188th Street, Brush Prairie, WA 98606 per CERCLIS.</p>
Northwest Transformer (South Harkness St)	10 T.B.D.	No	Transformer Refurbishment/Manufacturer	Public Parking Lot	Commercial	<p>Northwest Transformer started to refurbish and manufacture transformers in 1958 on South Harkness Street, a mixed-use area of downtown Everson, Whatcom County, Washington. A Washington Department of Ecology inspection in December 1985 detected high levels of PCBs in on-site soils. Soils are permeable, and the ground water is shallow (11.5 feet). These conditions facilitate movement of contaminants into some places at the site. Mary Braham, City of Everson, reported that this former transformer service site is now a public parking lot. She indicated that the parking lot, which was built approximately three years ago, serves the downtown community. Braham believed that the City obtained the property through a tax foreclosure proceeding against the former property owner. 10/22/98, JK. The site is bordered by a city park, Main Street businesses, and South Harkness Street. Northwest Transformer (South Harkness Street), NPL Site Fact Sheet, EPA Region 10, 1997.</p>
Commencement Bay Shore Tides Flats	10 T.B.D.	Yes	Smelter	Port redevelopment	Commercial	<p>The Commencement Bay/Near Shore Tides Flats site is located on the western shore of Commencement Bay and consists of 67 acres of property owned by Asarco, Inc. From 1890 through 1912, the property was used as a lead smelter and refinery. Asarco purchased the property in 1905, and in 1912, converted it into a facility to smelt and refine copper from copper-bearing ores. By-products of the smelting operations were further refined to produce other marketable products, such as arsenic, sulfuric acid, liquid sulfur dioxide, and slag. Metals were released into the soil, air, and Commencement Bay as a result of the smelting and refining operations. Some examples of the metals present are arsenic, cadmium, copper, lead, and zinc.</p>

<p>Liquid Gold Oil Corp.</p>	<p>9 T.B.D.</p>	<p>No</p>	<p>Oil and solvent collection and transfer facility</p>	<p>Recreational</p>	<p>The Liquid Gold Oil Corp. Site covers 17 acres of filled marshland within the City of Richmond, California. Liquid Gold was registered with the State of California as a "waste oil pickup" business. It purchased used oil and resold it for uses such as fuel, lubricating oil, and dust control. Several deteriorating buildings and 27 storage tanks of various sizes are on about 2 acres. City wastes found on the ground, as well as liquid wastes stored in the tanks, contain lead, chromium, nickel, and phenols.</p> <p>Kent Kitchingman, Richmond Planning Department, reported that he believes that the firing range currently located on the site will soon be closing. He advised that no development other than the shooting range, has taken place on the site. He cited that poor access and potential objections to new building at the site by the Bay Conservation Development Commission because the site borders wetlands probably causes development to be inhibited. He indicated that the Bay Conservation Development Commission has no jurisdiction over the site. Catalina Development Corporation is the current property owner. Confirmed 10/98.</p>
<p>Indian Bend Wash Area</p>	<p>9 T.B.D.</p>	<p>Yes</p>	<p>Groundwater contamination</p>	<p>Residential</p>	<p>Covenant not to sue JPI Texas Development, Inc. allowing purchase of approximately 27 acres located within the NPL Site, for purposes of building and operating a 500 unit student dormitory near Arizona State U. A second portion of the property will be developed as a shopping mall, and a third portion used for construction of a public park. The Indian Bend Wash Area site is more than 6 miles long and covers 13 square miles. The site has been divided into two areas known as the North Indian Bend Wash Area (NIBW) and the South Indian Bend Wash Area (SIBW) in 1981. The Cities of Scottsdale and Phoenix discovered volatile organic compounds (VOCs) in seven municipal supply wells. These contaminants appear to have originated from several industrial facilities that operated in the NIBW; two of these facilities, Motorola and Beckman, are located upgradient from five municipal water wells. Six of seven contaminated wells were removed from service shortly after discovery, the seventh was equipped with a treatment system. The SIBW in Tempe, Arizona had discharged VOCs into the ground. Other facilities may have discharged VOCs into the ground.</p>
<p>Summitville Mine</p>	<p>8 T.B.D.</p>	<p>No</p>	<p>Abandoned gold mine</p>	<p>Agricultural</p>	<p>Comments: Site is an abandoned mine. The contamination affects ~20,000 acres of agricultural land adjacent to the site. Source: Angus Cambell, Remedial Design/Construction Manager, CDPHE. (303) 692-3365. Acreage ~1,400 acres 1/13/99. Planned recontour/vegetation of 550 acre disturbed portion of site to begin May 1999. Surrounding area used for recreation and grazing. Source Region 6 SF--Summitville Mine Fact Sheet (September 1998) jlk</p>

North U-Drive	7 T.B.D.	No	Residential contaminated wells	Agricultural; No Action ROD; continued use	Commercial	<p>The North U Drive Well Contamination site is an area of ground water contamination located approximately 1.25 miles north of Springdale, Greene County, Missouri. Subsequent sampling by the State identified 17 onsite wells that were contaminated by gasoline, chlorinated hydrocarbons, and other petroleum hydrocarbons, and by gasoline, chlorinated hydrocarbons, and other petroleum hydrocarbons, and by gasoline, chlorinated hydrocarbons, and other petroleum hydrocarbons. The water source for the wells is a water source contamination, no defined site boundary. Water source for 200-300 people. 200-300 people inside within the area of ground water contamination. Source: EPA fact sheet. ROD 3/31/83. Acreage: No defined site boundary.</p>
Rock Hill Chemical Co.	4 T.B.D.	Yes	The Rock Hill Chemical Company operated a solvent distillation facility in the 1960s on this 4 1/2-acre site located in a light commercial and residential area.	Commercial-First Federal Bank and Rutledge Enterprise are operating on the site	Commercial	<p>The Rock Hill Chemical Company is located in Rock Hill, South Carolina. Activities included the distillation of paint solvents, the recovery of textile dye products, and the separation of waste oils and solvents. Liquid wastes, such as paint sludge, were produced from these distillation processes and were stored in several above-ground tanks on-site. The Rock Hill Chemical Company was shut down after a fire in 1984 and it would appear that Rutledge Enterprise and First Federal Savings and Loan were the last parties to occupy the site when contamination was discovered. Additional research should be conducted to verify the current use of the site. 1/29/88.</p>

Mr. OXLEY. The gentleman's time has expired. The gentleman from Ohio, Dr. Ganske.

Mr. GANSKE. Thank you, Mr. Chairman.

Mr. Fields, I know that Mr. Greenwood is going to be asking you some questions about brownfields, and so I am going to move really to this chart that you have shown. What bothers me about your statement is—what bothers me is that your statement, the administration budget document, many of Administrator Browner's statements repeat over and over an argument that to me doesn't make since mathematically or logically. The question I want to ask you about is whether a given set of facts logically proves a given conclusion about the pace of cleanups. So, let me walk through this.

I want to refer to an enclosure to a letter the GAO wrote to Carol Browner on January 28, 1998. The letter responds to EPA criticism of a GAO report on the current times for listing and moving a site through the cleanup process.

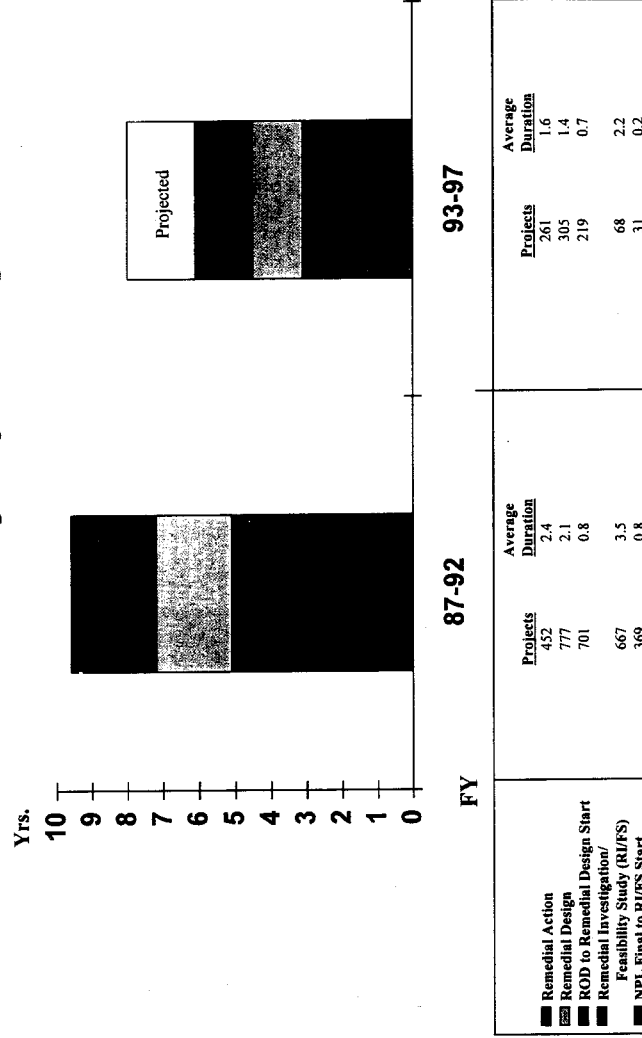
The enclosure states that site completions are not evidence of the pace of cleanups. The GAO response to EPA states, "This is not evidence of decreasing processing times. Rather, it is an indication that the program, now more than 15 years old, has been around long enough for a substantial number of sites to have had remedies constructed. Given the long cleanup times for many sites, it is not surprising that more sites, most listed years ago, are now reaching the end of the cleanup."

It seems to me the GAO report is correct. Do you agree?

Mr. FIELDS. We have discussed this with the GAO and Mr. Guerrero, who will be speaking right after me. We have some serious disagreements about that study, and we have discussed this privately and publicly. Our disagreements with the GAO analysis of the timeline that they have documented in their report—and I have read that report several times—we, in fact, have documented, and I will be happy to provide for the record documentation which says the time it takes to go through the process has been reduced by 2 years. It now takes, on the average—and we can provide sites to give you documentation for this—eight years from the time you finalize a site on the NPL until construction is complete.

[The information referred to follows:]

Superfund Shorter Remedial Clean-up Projects at Superfund Sites



NOTE: This chart represents the average duration, plotted by start date, of pipeline projects completed by the end of FY97. Excludes Federal Facility Sites. Negative durations, due to overlapping events, were counted as having a 0 yr duration.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

MAR 4 1998

OFFICE OF
SOLID WASTE AND EMERGENCY
RESPONSE

Keith O. Fultz
Assistant Comptroller General
Resources, Community, and
Economic Development Division
U.S. General Accounting Office
Washington, D.C. 20548

Dear Mr. Fultz:

Thank you for your letter of January 28, 1998 to Carol Browner, Administrator of the U.S. Environmental Protection Agency (EPA). You were responding to a December 3, 1997 letter to GAO from EPA (from Stephen Luftig, Director of the Office of Emergency and Remedial Response). Ms. Browner asked me to reply for her.

The subject of your correspondence is EPA's response to two recent GAO studies: Superfund: Times to Complete the Assessment and Cleanup of Hazardous Waste Sites (March 1997); and Superfund: Trends in Spending for Site Cleanup (September 1997). Those reports were also the subject of a hearing of the House Commerce Committee, Subcommittee on Government Reform and Oversight, on February 4, 1998.

The EPA letter to GAO criticized the methodologies, and conclusions, of both reports. In particular, the March 1997 report on the timeliness of Superfund cleanups states that cleanup times are increasing, when in fact they are decreasing. The other point made in EPA's letter is that GAO's spending trends analysis should include more money shown for cleanups than the money spent on cleanup contractors.

I was disappointed that your January 28, 1998 letter, and February 4, 1998 testimony, did not respond to the key criticisms in EPA's December 3, 1997 letter, particularly the inappropriateness of the methodology when better ones are available. You note in your letter that you used EPA data. However, the problem is not with the data; it is with the methodology used by GAO that will always show increasing time frames as sites are completed. The fallacy is further emphasized when GAO uses as its starting point 2.4 years in 1986, which it claims was the average time for EPA to complete a cleanup at that time. As I stated in my February 4, 1998, testimony, GAO used small numbers of "operable unit" completions to draw conclusions about whole sites, which were not in fact "completions." I was in the program in 1986, and we were not completing sites in 2.4 years. This, combined with a faulty methodology for measuring progress, presents a wholly inaccurate picture of the program.

I am not surprised by GAO's inaccurate comment during the recent House Commerce Committee hearing that sites are taking longer to clean up each year. As Representative Waxman noted at a prior hearing, as EPA's letter explained, and as presented in the House Commerce Committee hearing record, GAO is using a method that shows annual time increases even if site cleanups take exactly the same amount of time to complete.

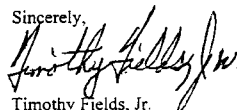
We believe the Superfund program has made significant progress in implementing administrative reforms. Internal and external reviews have documented the success of reforms, such as the more than \$900 million in cost savings from the updating of remedies due to new science and technology and the Remedy Review Board. Some results are too early to measure accurately, e.g., appointing regional ombudsmen. Many initiatives are pilot projects that need to be evaluated before they can be a routine part of the program and have a national impact. National consistency, meaningful community involvement, greater State role, and enforcement fairness are important reform objectives. GAO's summary conclusions, using flawed analysis, fails to acknowledge the successes of the reforms generally.

Even looking only at cleanup time frames, EPA believes we have made significant progress. As I said in my testimony, one must look at sites that have recently entered the system to develop a comparison with the earlier cleanup program. A total of 89 sites listed on the National Priorities List in the 1990s have already attained construction completion status, with an average time of five years from listing to construction completion. (These are sites, not operable units as was studied in the March 1977 GAO report.) The pace has also decreased by about 20 percent. We have completed construction of the remedy at more than 500 sites, and construction is underway at hundreds more. Enclosed is material that reflects these accomplishments.

GAO's report on spending trends also fails to present an accurate picture. It is widely quoted as saying that 49 percent of the Superfund budget goes to cleanups. While we may disagree on the exact nature of cleanup support, surely it is more than the amount paid to the cleanup contractor. EPA personnel at the site, analysis of soil and water, designing and testing the remedy, all these must be considered part of cleanup. A better method might be to use what the Office of Management and Budget uses in its budget classifications for cleanup support. Our analysis shows that about 78% of the Superfund budget goes to such cleanup functions.

In summary, we believe that a national debate over your analysis versus our analysis is not beneficial. We at EPA will continue to rely on the facts. The facts show that costs have been reduced by 20 percent, the average time from NPL listing to construction completion has been reduced by 20 percent, and about 78% of the Superfund budget goes to cleanup and response costs. If you have questions, please call me at 202/260-4610, or Stephen Luftig, Director of the Office of Emergency and Remedial Response, at 703/603-8960.

Sincerely,



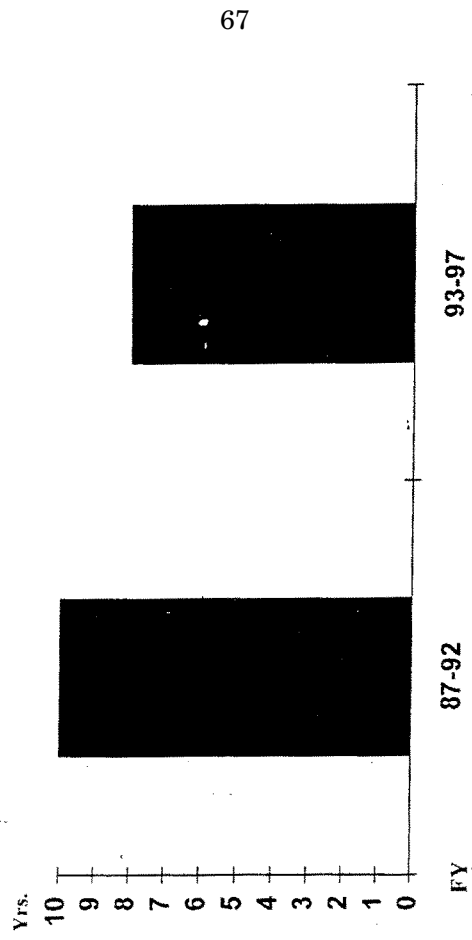
Timothy Fields, Jr.
Acting Assistant Administrator

Enclosure

cc: Stephen Luftig

Superfund

Shorter Remedial Clean-up Projects at Superfund Sites



Final NPL Listing to Remedial Action Completion

NOTE: Excludes Federal Facility Sites.

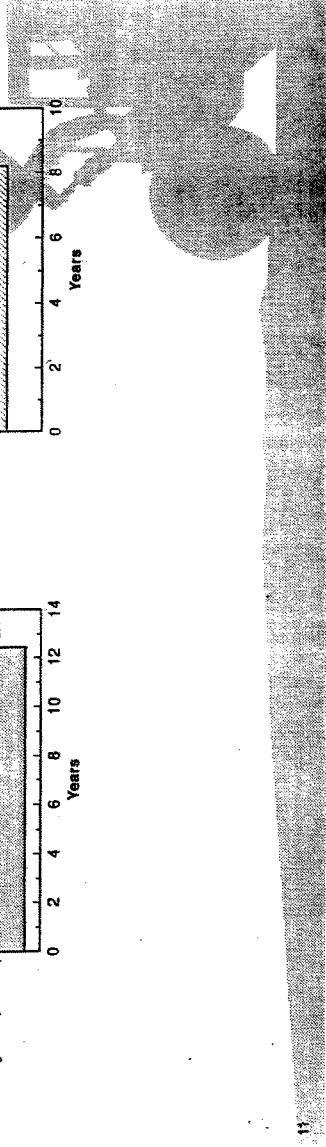
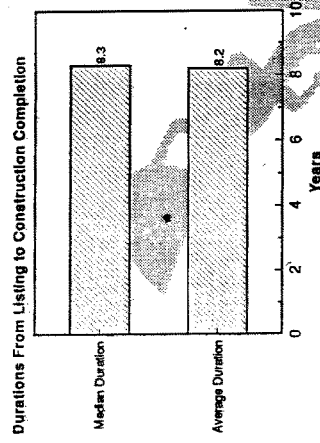
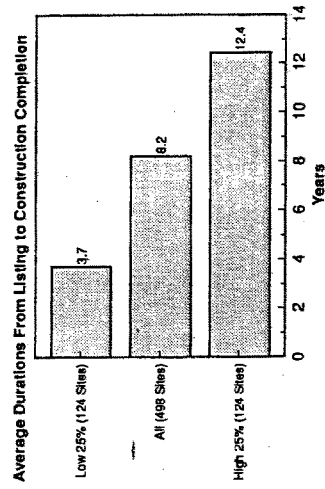
**Both Average and Mean Durations from Final Listing
to Construction Completion Have Been Reduced
by more than Three Years.**

Durations from Listing to Construction Completion was compiled for all sites through FY 97. That information, shown in a bar chart, shows for the 498 sites included an average duration of 8.2 years, and a mean of 8.3 years.

We also identified the sites listed from FY90 onward, for which Construction Completion was attained (89 sites). For those, the average duration was 4.8, the mean is 5 years.

Thus, for ALL sites for which construction completion has been attained, the average duration from time of final listing to CC is 8.2 years. As an indication of progress, if only those sites listed since FY90 are included, the average duration drops to 4.8 years.

Durations From Listing to CC (Through FY 97)

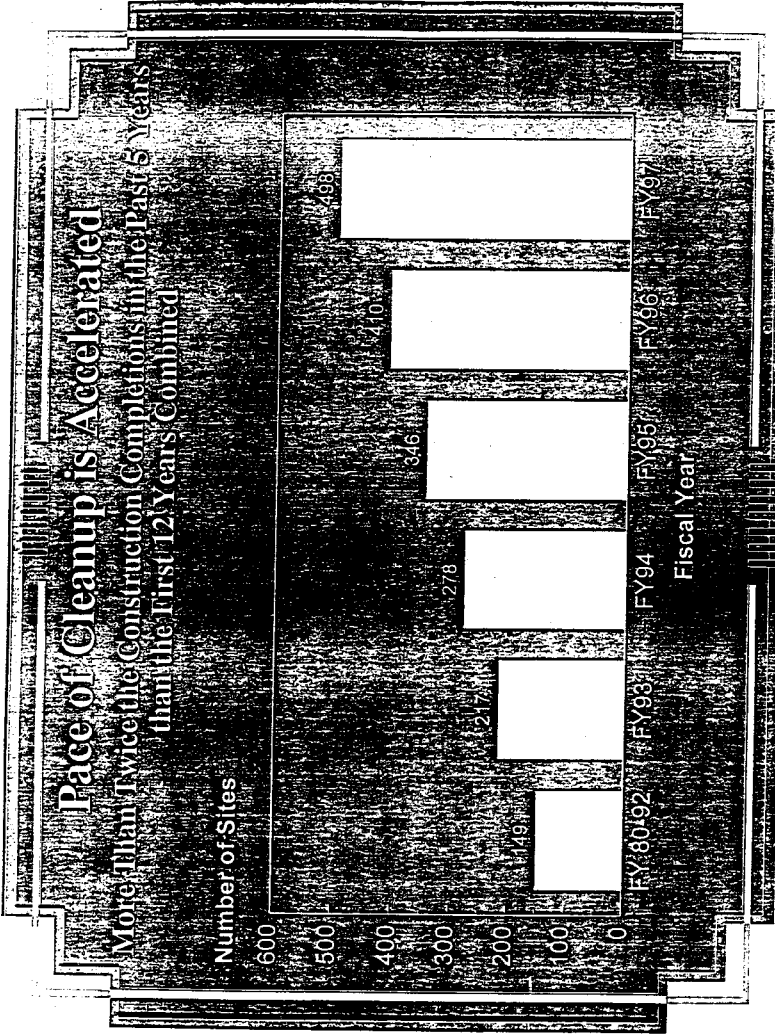


8/1/1985 - 10/24/1995

epa_id	site_name	NPPL Status	SI	RC	Proposed Date	Final Date	CC Date	Deleted Date
1 MID043681840	Kysor Industrial Corp.	Final	MI	5	01/18/1985	10/04/1989	23-Sep-96	7
2 FLD055945653	City Industries, Inc.	Final	FI	4	10/15/1984	10/04/1989	02-Mar-94	4
3 TND075453688	Mallory Capacitor Co.	Final	IN	4	01/22/1987	10/04/1989	24-Sep-96	7
4 FLD060174402	Chemform, Inc.	Final	FI	4	06/24/1988	10/04/1989	16-Sep-93	4
5 WA4469090075	Hanford 1100-Area (USDOE)	Deleted	WA	10	06/24/1988	10/04/1989	25-Jul-96	09/30/1996
6 IND006377048	Prestolite Battery Division	Final	IN	5	06/24/1988	10/04/1989	22-May-97	7
7 VTD980520092	BFI Sanitary Landfill(Rockingham)	Final	VI	1	06/24/1988	10/04/1989	26-Sep-96	7
8 WAU037311094	American Crossair & Cardull Co.	Final	WA	10	06/24/1988	10/04/1989	26-Sep-96	7
9 TXD089783046	Dixie Oil Processors, Inc.	Final	TX	6	06/24/1988	10/04/1989	09-Jun-93	3
10 VTD980520118	Darling Hill Dump	Final	VT	6	06/24/1988	10/04/1989	30-Jun-92	2
11 NMD000829705	Pagano Salvage	Deleted	MI	6	06/24/1988	10/04/1989	12-Sep-91	10/14/1992
12 MOD000829705	Conservation Chemical Co.	Final	MI	7	06/24/1988	10/04/1989	23-Sep-91	4
13 CAD097012289	Fairchild Semiconductor Corp. (S San)	Final	CA	9	06/24/1988	10/04/1989	25-Mar-92	2
14 CAD980832735	Syntek, Inc. (Building 1)	Final	CA	9	06/24/1988	10/04/1989	25-Mar-92	2
15 NJD04663854	Wilco Chemical Corp. (Oakland Pli)	Deleted	NJ	2	06/24/1988	10/04/1989	25-Mar-92	2
16 NMD980749378	Cimarron Mining Corp.	Final	MI	4	06/24/1988	10/04/1989	24-Sep-92	2
17 FLD004128520	Standard Auto Bumper Corp.	Final	MI	4	06/24/1988	10/04/1989	24-Sep-92	2
18 VTD000509174	Tanslor Electronics, Inc.	Final	VT	1	06/24/1988	10/04/1989	04-Oct-94	1
19 UTD980687240	Utah Power & Light/American Barrel C	Final	UT	8	06/24/1988	10/04/1989	01-Oct-96	7
20 CAD980631113	Pacific Coast Pipe Lines	Final	CA	9	06/24/1988	10/04/1989	30-Sep-96	7
21 MOD980631113	Kem-Pest Laboratories	Final	MI	7	01/22/1987	10/04/1989	27-Sep-96	7
22 MOD000830554	Wheeling Disposal Service Co. Landfill	Final	MI	7	01/22/1987	10/04/1989	27-Sep-96	7
23 PAD000439083	River Road Landfill/Waste Mngmt, In	Final	PA	3	01/22/1987	10/04/1989	27-Sep-96	7
24 VAD88052095	Divix Caverns County Landfill	Final	VA	3	01/22/1987	10/04/1989	28-Dec-95	6
25 PAD041421223	AMP, Inc. (Glen Rock Facility)	Final	PA	3	06/24/1988	10/04/1989	25-Sep-97	5
26 MED042143883	Union Chemical Co., Inc.	Deleted	MI	1	06/24/1988	10/04/1989	14-Dec-95	10/02/1996
27 WUD980610141	Sauk County Landfill	Final	WI	5	06/24/1988	10/04/1989	30-Sep-97	5
28 SCD980840898	Naval Security Group Activity	Final	SC	4	06/24/1988	10/04/1989	01-Sep-95	6
29 PR4170027383	Rochester Property	Final	PR	2	06/24/1988	10/04/1989	30-Sep-97	5
30 PAD038017894	Raymark	Final	PA	3	06/24/1988	10/04/1989	16-Oct-95	6
31 NED068645696	Lindsay Manufacturing Co.	Final	NE	7	06/24/1988	10/04/1989	14-Sep-95	6
32 CTD108960972	Gallup's Quarry	Final	CT	1	06/24/1988	10/04/1989	03-Aug-95	6
33 DED980484637	Sussex County Landfill No. 5	Final	DE	1	06/24/1988	10/04/1989	30-Sep-97	5
34 WA1891406349	Bonneville Power Admin Ross (USDO	Deleted	WA	10	06/24/1988	10/04/1989	29-Dec-94	5
35 NYD001867872	Radium Chemical Co., Inc.	Deleted	NY	2	06/18/1989	11/21/1989	21-Sep-94	03/24/1995

36	CA7210020759	Riverbank Army Ammunition Plant	Final	CA	9	09/24/1988	02/21/1990	30-Sep-97
37	WAAD009045279	ALCOA (Vancouver Smelter)	Deleited	WA	10	06/24/1988	02/21/1990	30-Jul-96
38	FLD980494060	Beulah Landfill	Final	FL	4	09/24/1988	02/21/1990	16-Sep-93
39	CAD009159088	TRW Microwave, Inc. (Building 825)	Final	CA	9	09/24/1988	02/21/1990	17-Sep-93
40	KYD006371074	General Tire & Rubber(Mayfield Landfill)	Final	KY	4	09/24/1988	02/21/1990	01-Oct-93
41	ORD009051442	Allied Plating, Inc.	Deleited	OR	10	09/24/1988	02/21/1990	29-Jun-93
42	CAD981171523	Sola Optical USA, Inc.	Final	CA	9	09/24/1988	02/21/1990	14-Aug-92
43	CAD009212838	CTS Printex, Inc.	Final	CA	9	09/24/1988	02/21/1990	31-Mar-92
44	GAD095840674	Cedartown Industries, Inc.	Final	GA	9	09/24/1988	02/21/1990	08-May-97
45	MID980992952	Metal Working Shop	Deleited	MI	5	09/24/1988	02/21/1990	30-Jun-92
46	TND044062222	Carrier Air Conditioning Co.	Final	IL	4	09/24/1988	02/21/1990	31-Oct-95
47	MID005341714	Hi-Mill Manufacturing Co.	Final	MI	5	09/24/1988	02/21/1990	30-Mar-95
48	VAD980917883	Suffolk City Landfill	Deleited	VA	3	09/24/1988	02/21/1990	30-Sep-92
49	WA5170090059	Naval Air Station, Whidbey Island (Aul)	Final	WA	10	09/24/1988	02/21/1990	25-Sep-97
50	WAD027315621	Northwest Transformer(South Hankins)	Final	WA	10	09/24/1988	02/21/1990	25-Sep-97
51	CAD980684209	Hewlett-Packard (020-040 Page Mill)	Final	CA	9	09/24/1988	02/21/1990	16-Sep-97
52	SCD9808844005	Rock Hill Chemical Co.	Final	SC	4	09/24/1988	02/21/1990	31-Dec-96
53	WAD009249210	Pacific Car & Foundry Co.	Final	WA	10	09/24/1988	02/21/1990	05-Aug-96
54	WA6170090058	Naval Air Station, Whidbey Is (Seapla)	Deleited	WA	10	09/18/1985	02/21/1990	28-Jun-95
55	DED980705545	Tyler Refrigeration Pll	Final	DE	3	09/24/1988	02/21/1990	10-May-97
56	MID072569510	Muskegon Chemical Co.	Final	MI	5	09/24/1988	02/21/1990	26-Jun-97
57	IAD005291182	John Deere (Ottumwa Works Landfills)	Final	IA	7	09/24/1988	02/21/1990	28-Aug-92
58	WAD980639462	Seattle Municipal Landfill (Kent Highlin)	Final	WA	10	09/24/1988	08/30/1990	07-Sep-95
59	CAD0041472341	Intersil Inc./Siemens Components	Final	CA	9	09/24/1988	08/30/1990	08-Sep-95
60	FLD004146346	Woodbury Chemical Co. (Pineceton Pl)	Deleited	FL	4	09/24/1988	08/30/1990	25-Jun-92
61	DED981035520	Sealand Limited	Final	DE	3	09/24/1988	08/30/1990	27-Mar-92
62	CAT080034234	Advanced Micro Devices, Inc. (Bldg. 9)	Final	CA	9	09/24/1988	08/30/1990	25-Mar-92
63	CTD981067317	Cheshire Ground Water Contaminatio	Deleited	CT	1	09/24/1988	08/30/1990	31-Dec-86
64	FLD004574190	B&B Chemical Co., Inc.	Final	FL	4	09/24/1988	08/30/1990	27-Sep-93
65	NJD9807689301	Lofti Municipal Well	Final	NJ	2	10/15/1994	08/30/1990	01-Oct-94
66	KYD045730291	Caldwell Lace Leather Co., Inc.	Final	KY	4	09/24/1988	08/30/1990	30-Jun-94
67	FLD020536538	Anacanda Aluminum Co./Mingo Electro	Final	FL	4	10/24/1989	08/30/1990	22-Nov-94
68	SDD900823559	Williams Pipe Line Co. Disposal Pl	Final	SD	8	01/27/1997	08/30/1990	29-Sep-94
69	CAD980893234	Walkins-Johnson Co. (Stewart Divisio	Final	CA	9	09/24/1988	08/30/1990	22-Sep-94
70	FLD052172854	BMI-Textron	Final	FL	4	09/24/1988	08/30/1990	11-Aug-94
71	IAD980666804	E.I. Du Pont de Nemours (County Rd	Deleited	IA	7	09/24/1988	08/30/1990	29-Sep-93
72	IAD981124167	Fairfield Coal Gasification Plant	Final	IA	7	09/24/1988	08/30/1990	24-Aug-95
73	IND9808989791	Whiteford Sales & Service/National	Deleited	IN	5	09/24/1988	08/30/1990	29-Sep-95

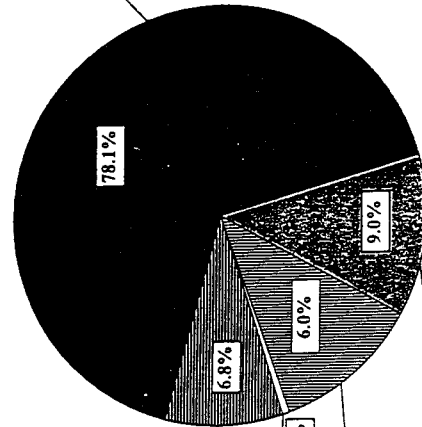
74	GAD990741092	Diamond Shamrock Corp. Landfill	Final	GA	4	01/27/1987	08/30/1990	28-Sep-85
75	MND981191579	Dekhue Sanitary Landfill	Releasd	MN	5	01/21/1989	08/30/1990	30-Jun-84--07/24/1995
76	FLD981019235	Madison County Sanitary Landfill	Final	FL	4	06/24/1988	08/30/1990	04-Feb-97 G 7 th
77	IAD065210734	White Farm Equipment Co. Dump	Final	IA	7	09/21/1988	08/30/1990	08-Sep-95 S 1 st
78	WYD981546005	Mystery Bridge Rd(U.S. Highway 20)	Final	WY	8	06/21/1988	08/30/1990	16-Dec-83/ 5 th 1 st
79	NMD980622773	Prewitt Abandoned Refinery	Final	NM	6	06/21/1988	08/30/1990	22-Aug-96
80	IAD980852461	Northwestern States Portland Cement	Releasd	IA	7	06/21/1988	08/30/1990	23-Dec-83--08/31/1995
81	ILD981761065	Central Illinois Public Service Co.	Final	IL	5	01/27/1987	02/11/1991	30-Sep-85 S
1	UTD000716389	Wasatch Chemical Co. (Lot 6)	Final	UT	8	01/27/1987	02/11/1991	30-Sep-87 G 1 st
2	CAD009138488	Spectra-Physics, Inc.	Releasd	CA	9	06/21/1988	09/14/1994	16-Sep-92 G 1 st
1	WA5210080098	Hamilton Island Landfill(USAVCO)	Final	WA	10	06/21/1988	03/14/1992	30-Mar-95--05/25/1995
1	WAA470090001	Port Hadlock Detachment (USNAVY)	Final	WA	10	06/21/1988	05/31/1994	28-Sep-97 ✓ 1 st
2	TND987768546	Chemet Co.	Releasd	TX	4	01/19/1991	05/31/1994	15-May-96-10/09/1996
3	WID980610190	Ripon City Landfill	Final	WI	5	06/21/1988	05/31/1994	25-Sep-96 ✓ 1 st
4	WAD981767296	Spokane Junkyard/Associated Property	Releasd	WA	10	09/11/1992	05/31/1994	14-Jul-97--09/23/1997
1	LAD008148015	Southern Shipbuilding	Final	LA	6	07/17/1995	05/26/1995	15-Sep-97 ✓



FY 99 Superfund Budget

Cleanup/Response - \$1,602.5

- Brownfields
- Feasibility Study
- RD (RP/Fund)
- RA (RP/Fund)
- Early Action
- USACE/BUREC
- Lab Analysis
- Site Assessment
- Response MGMT
- State/Tribal
- Community Involvement
- Federal Facilities
- TIO
- CERPO
- Salary/Expenses
- ORD Tech Support



Management & Support - \$139.1

- OARM
- OA
- OIG
- OPPE
- OCFO
- OGC

Other EPA - \$ 2.3

- OAR

Other Federal Agencies - \$123.0

- ATSDR
- NIEHS
- OSHA
- DOI
- USCG
- FEMA
- NOAA

Enforcement - \$185.6

- OECA
- DOJ

Total Cleanup/Response -	\$1,602.5 Million
Total Enforcement -	\$ 185.6 Million
Total Support -	\$ 264.4 Million
TOTAL BUDGET -	\$2,052.5 Million
ORD Transfer to	\$ 40.2 Million
Science & Technology	\$2,092.7 Million
TOTAL	\$2,092.7 Million



Note: Budget Figures Around Pie are in Millions.
Source: FY99 President's Budget



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

DEC 3 1997

OFFICE OF
SOLID WASTE AND EMERGENCY RESPONSE

Mr. Lawrence J. Dyckman
Associate Director
Environmental Protection Issues
U.S. General Accounting Office
Washington, D.C. 20548

Dear Mr. Dyckman:

Thank you for meeting with EPA representatives on October 22, 1997 to discuss recent GAO recommendations concerning the Superfund program. While our meeting focused almost entirely on NPL listing issues, I feel it important to supplement our conversation and provide you with additional information of great concern to EPA regarding other aspects of recent GAO reports evaluating the Superfund program. In particular, I want to address the GAO reports entitled "Superfund: Times to Complete the Assessment and Cleanup of Hazardous Waste Sites" (March 1997) ("Durations Report") and "Superfund: Trends in Spending for Site Cleanup" ("Spending Trends Report") (September 1997).

GAO reports help inform Congress and many others involved with the implementation of key issues related to the Superfund program. Since 1982, GAO has published more than 200 written products on the Superfund program including letter and chapter reports, testimony, and correspondence. The two most recent reports are of concern because they may have an inappropriate impact on the current debate over the reauthorization of the Superfund law. The messages contained in the GAO reports, that sites are taking longer to clean up, and that fewer dollars are going to cleanups, perpetuate common misperceptions about the program. In fact, the opposite is true.

A. GAO's March 1997 Durations Report is Fundamentally Flawed in its Methodology and Conclusions, and Should Not be Used to Measure Program Performance

In the months that have passed since the Durations Report was issued, I have heard critics and supporters alike draw from it conclusions ranging from erroneous to invalid. The report essentially rewrites Superfund history in a manner that is incorrect, and the harm is multiplied by the liberal quoting of the study by members of Congress and others.

For example, on September 4, 1997, numerous members of Congress served as witnesses during a hearing of the Finance and Hazardous Materials Subcommittee of the House Commerce Committee. These representatives testified before their colleagues on a variety of issues concerning toxic waste site cleanups under the Superfund program. Concerned over cleanup time frames, Representative Michael Crapo cited the March 1997 Durations Report in stating: "For non-federal sites, the time required to complete cleanup increased from 2.4 years in 1986 to 10.6 years in 1996 . . . almost a five-fold increase." Later in the hearing, Representative Rosa Delauro stated: "It is outrageous that the GAO could report that the average time for clean up has risen from 2.3 years for projects completed in 1986 to 10.5 years for projects in 1996 . . ."

Given the use of the GAO findings in these and other deliberations taking place that will impact the Superfund law, it is important that they be supportable. Both the methodology and the data

used in the durations report are designed to portray a program that is slowing the pace of cleanups, when the opposite is true. In addition, it is directly contradictory to earlier reports prepared by GAO.

The Durations Report Uses an Inappropriate Methodology

As you know, EPA, and members of Congress, have serious concerns about the methodology used by GAO in the Durations Report, a methodology mathematically programmed to result in increasing cleanup durations over a period of years. The GAO methodology has been compared to timing the first few NYC Marathon finishers and declaring their average time to be descriptive of all 20,000+ runners. By standing briefly at the "finish line," as GAO did, one can rely on a method that is inherently biased, always showing increasing time frames.

On December 23, 1996, EPA wrote to GAO criticizing the findings in the draft of the report. At that time the draft was entitled "It Now Takes More Time to Assess and Clean Up Hazardous Waste Sites." EPA pointed out that the title was not supported by the weight of data and noted some of the contradictions between this GAO draft and previous Superfund audit reports. Not only did the report mischaracterize cleanup times in the early history of the program, but it applied a faulty methodology to derive its findings.

Thereafter, on February 13, 1997, the GAO draft report was the subject of a spirited hearing of the House Committee on Government Reform and Oversight where Congressman Henry Waxman explained to GAO that they had used an inappropriate methodology resulting in false conclusions about Superfund site cleanup durations. Mr. Waxman quoted from a prior GAO report on FDA drug approvals, where GAO explained that the methodology FDA used to measure the approval process was inappropriate for assessing time frames when one begins with a large backlog of cases. Yet this was the same methodology used by GAO in the Durations Report, in this case involving a backlog of many hundreds of toxic waste dumps in need of cleanup at the beginning of the Superfund program. At the hearing, Mr. Waxman also showed GAO how their methodology, applied to a hypothetical group of cleanups, each taking exactly the same amount of time, would incorrectly show that the cleanup time frames were increasing year after year. With Mr. Waxman's critique and EPA comments in hand, GAO changed the title of its report to "Times to Complete the Assessment and Cleanup of Hazardous Waste Sites," but changed almost nothing else and issued their final report on March 31, 1997.

By contrast, the approach used by the Congressional Budget Office (CBO) in its studies of the program is to examine the cleanup times for all sites begun in a given year or span of years. The CBO method, if applied to completed sites, seems unbiased and, in the long term, would allow one to compare some of the impact of programmatic, statutory and regulatory changes on groups of sites begun in different years. A third method, which EPA has used to assist in managing many hundreds of ongoing cleanup projects, has been to measure the time to complete each phase of a Superfund site: the site study (RI/FS), engineering design of the cleanup remedy (RD) and the cleanup construction work or remedial action (RA). Measuring these pieces of cleanup projects helps focus project managers on near-term goals. Our analyses clearly show that Superfund cleanup durations have been reduced by about 20% or two years on the average.

The Durations Report Contradicts GAO's Own Previous Findings Regarding the Agency's Pace of Cleanups in the Program's Early Years

The 1997 GAO Durations Report bases its conclusion that cleanups take longer by using unsupported assertions of earlier cleanup time frames. GAO has reinvented this earlier time frame, deviating from facts and from its own previous reports. The Durations Report states: "From 1986 to 1989, cleanup projects were finished, on average, 3.9 years after sites were placed on the NPL. By 1996, however, cleanup completions were averaging 10.6 years." (P. 1.) "For nonfederal sites, the time required to complete cleanups increased from 2.4 years in 1986 to 10.6 years in 1996. For federal sites the time required to complete cleanups increased from about 3.3 years in 1990 to 6.6 years in 1996." (P. 8.)

This finding is a shock to those of us who remember GAO's earlier reports criticizing the program's pace of cleanups. This was made evident to me when I reported the findings quoted above to others involved in the Superfund program.

During October 1997, I reported the GAO Durations Report findings to a large group of managers representing about 40 State Superfund programs. I told them that GAO has reported that in 1986, it took 2.4 years to clean up sites. The State managers were incredulous. I have reported the same information to groups of attorneys involved with Superfund cleanups, various EPA field employees, private sector consulting engineers, cleanup contractors and others with experience in Superfund cleanups and, in every case, the results have been the same: GAO's findings are not consistent with reality.

Moreover, these experienced people remember the harsh criticisms the Superfund cleanup program received for delays in progress during the same 1986 time period GAO now described as four times faster than today. The Durations Report not only mischaracterizes Superfund cleanup history; it is inconsistent with GAO's own more recent findings.

Many have pointed out to me that GAO itself did a very thorough job critiquing slow cleanup progress in its own earlier reports on Superfund. Beginning in 1991, GAO employed a "dripping faucet" graphic in testimony and reports to demonstrate its theme that the program was moving at too slow a pace. In 1992, for example, GAO reported the following data on Superfund's slow-moving first decade:

To illustrate how slowly the Superfund process moves, Appendix II compares the status of the sites in the cleanup pipeline in October 1986 and today . . . [I]n 1986 only 25 of the 888 sites in the Superfund pipeline had been cleaned up. (Superfund: Current Progress and Issues Needing Further Attention, June 11, 1992, p. 11)

As recently as 1993, in its report entitled "Superfund Progress, Problems, and Reauthorization Issues" (April 21, 1993), GAO provided the following analysis of the components of the cleanup process:

Site studies once expected to take 2 years are now lasting 4 years or more. Remedial designs that were done in 18 months are now taking nearly 3 years. Add to these time frames at least another 3 years to complete the cleanup action. (Superfund Progress, Problems, and Reauthorization Issues (April 21, 1993) p. 5)

Somehow, GAO was able to significantly revise these earlier findings in their latest look back at Superfund history.

The 1993 and earlier GAO findings are certainly inconsistent with the recent GAO report describing the speed of cleanups in 1986, especially if one considers that the "2.4 years" GAO now says it took to cleanup sites in 1986 includes all of the time that elapsed between adding the site to the Superfund list (NPL) and completing the cleanup. The 2.4 years include the time for site study, public meetings, selection and design of cleanup remedies as well as all of the in-the-field cleanup work!

The apparent GAO finding, that cleanups are now four times slower than in 1986, must have surprised the Congressional Budget Office as well. In 1994, the Congressional Budget Office issued "Analyzing the duration of Cleanup at Sites on Superfund's National Priorities List" (March 1994). The CBO concluded:

Within non-Federal sites, those proposed between 1981-1983 have an average duration of 12.9 years; 9.6 for sites 1984-1992. (P. 10)

Several other prominent reports also reviewed the Superfund program of the 1980s and also

contradicted the recent GAO findings. For example, the Office of Technology Assessment, in "Coming Clean: Superfund Problems Can Be Solved" (November 1989) said:

Detailed data on how a site moves through the entire Superfund system . . . show that between 4 and 5 years pass from when a site is first identified until the Remedial Investigation and Feasibility Study at a site is started; a complete cleanup can take 10 years or more. But very fast complete cleanups at complex sites would often be inconsistent with technically sound cleanups. (P. 4)

And the House Committee on Appropriations Report of 1988, an "Overview" of EPA Management of the Superfund Program stated:

The time required to clean up Superfund sites extends over a number of years, with 5 or more years being devoted to studies and design before remedial actions are initiated. (Pp. 12-13)

The 1988 Report of the Office of Technology Assessment, "Are We Cleaning Up?" concluded:

- - The time from site identification through placement on the NPL is about 3 years for the case studies . . . The time between a site's placement on the NPL and the start of the RI/FS varies greatly, averaging about 16 months . . . The RI/FS process, from start of the studies through issuance of the ROD, takes from 2 to 3 years . . . After the ROD, actual cleanup action, including remedial design, takes 2 to 3 years . . . The entire process from site identification through final (estimated) remedial cleanup can frequently take about 10 years. (Pp. 13-14)

A Clean Sites, Inc. Report, "Making Superfund Work: Recommendations to Improve Program Implementation" (January 1989) found:

The total time from site identification to the start of cleanup can take from seven to nine years. The actual cleanups typically last two to three years. (P. 2)

With all of these entities engaged in the study of Superfund cleanup time frames during the 1980s, including GAO, and concluding that cleanup took roughly eight to twelve (up to 40) years, it defies credibility that GAO would establish 3 years as the standard 1986 benchmark from which EPA is now deviating.

The Fact is that the Pace of Superfund Cleanups has Increased

One wonders what would motivate GAO to produce such a skewed assessment when so much information to the contrary, much of which GAO itself has published, is so readily available. In fact, Superfund cleanup time frames are decreasing, not increasing. More than twice as many Superfund sites have had construction of the remedy completed in the past five years than in the first 12 years of the Superfund program combined. There were 155 of these "construction complete" NPL sites as of January 1993, and an additional 343 since then, for a total of 498 "construction completions."

The great bulk of the almost 1400 Superfund sites on the NPL can be cleaned up and are being cleaned up in a more timely fashion than in the past. Eighty-six percent (86%) of the sites on the NPL are under construction or are through the construction of the remedy. In the past five years, Superfund has clearly benefited from dozens of major program reforms, contract management improvements, and the experiences of the first twelve years.

B. GAO's Spending Trends Report also Portrays an Inaccurate Picture of the Amount of Money Going to Cleanups

The March 1997 Durations Report analysis is not the only recent GAO report that seems to have skewed analytical results. "Superfund: Trends in Spending for Site Cleanups" was provided by GAO to Congressional requestors on September 4, 1997. It too provides a puzzling analysis in view of available data. However, several Congressmen, testifying at the September 4 hearing relied upon this report to argue that not enough money within the federal Superfund program is directed to cleanups.

Representative Benjamin Gilman noted that "the recent General Accounting Office study showed that the U.S. Environmental Protection Agency is spending less than 50 percent of Superfund money on cleanup . . ." Representative Crapo stated: "Many of us are concerned with . . . a GAO report of . . . only 49 percent going to cleanup."

However, at the same hearing, Representative Frank Pallone referred to the EPA Superfund budget, rather than the GAO report, and noted: "...according to the Superfund budget for [fiscal years] '96, '97 and '98; 72 percent, 67 percent and 78 percent, respectively were spent for cleanup . . . I don't know where the discrepancy is . . ."

The "discrepancy" of more than 20 percent which Congressman Pallone found between the EPA budget and the GAO Spending Trends report issued on the day of the hearing reflects costs such as EPA field work to obtain samples of contaminated soil and water, laboratory costs for analyzing samples taken at Superfund sites, even the salaries of federal field employees engaged in cleaning sites . . . all of which GAO decided to exclude from their definition of "cleanup costs." In fact, over 70 percent of the federal Superfund budget is spent on direct site cleanup, with the remaining 30 percent funding the Superfund health, research and enforcement efforts of other federal agencies (e.g., Agency for Toxic Substances and Disease Registry, National Institutes of Environmental Health Sciences, Department of Justice) as well as the EPA research and development efforts, EPA Superfund enforcement programs, and EPA's administrative and program management costs.

EPA wrote to GAO on August 12, 1997, commenting on the draft GAO report to explain that GAO's extremely narrow definition of "cleanup" costs, "could lead to considerable confusion." Despite these comments, GAO published their final report with few changes from the draft version. The GAO report fueled Congressional discussion, as noted above, and on September 16, 1997 led the House Committee on Commerce to issue the following statement to the press:

EPA Using Funds to Churn Out More Lawyers . . . Less than 45 percent of the \$1.4 billion spent last year by the federal government to clean up toxic waste sites was actually used for cleanup, according to a General Accounting Office study released today.

The Spending Trends Report thus helps perpetuate the inaccuracies that have been associated with the amount of money going toward cleanups.

Cleanup Costs have not been Consistently Defined for a Valid Trends Analysis

As in the case of durations, GAO has revised its earlier interpretations of what constitutes cleanup costs. This is especially disturbing when GAO draws conclusions on trends in spending. In GAO testimony provided October 29, 1991, GAO stated that only 30% of the Superfund program budget went for actual cleanup operations. However, in June 11, 1992 testimony, and in an April 21, 1993 report, GAO modified its findings and reported that the percentage of budget going to cleanup rose from 30% to 45%.

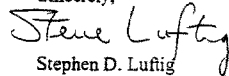
Thereafter, in its September 21, 1994 report, "Status, Cost and Timeliness of Superfund Cleanups" GAO stated that funding for construction increased from 46% of the total annual remedial cleanup spending for FY 87 to 78% in FY 93.

GAO Could More Appropriately Contribute to Superfund Reauthorization Debate with Accurate and Meaningful Information

As I stated in the beginning of this letter, GAO analyses are frequently cited by those involved in the Superfund reauthorization debate. As recently as December 2, 1997, Representative Michael Oxley told a large group of various Superfund stakeholders that a recent GAO study concluded that sites now take four times as long to clean up, and that only 49% of every Superfund dollar goes to cleanup. These statements were taken as fact by the attendees, as evidenced by the questions later asked of EPA Administrator Carol Browner. It is essential, therefore, that GAO findings are accurate and meaningful. It is especially important that there be some consistency in the analysis. As Congress continues to debate the substantive issues associated with reauthorizing the Superfund law and replenishing the much-depleted federal cleanup Trust Fund, more carefully researched, objective analyses than those recently provided by GAO will be needed to inform the debate, display the significant progress and identify further improvements available to the Superfund program. EPA continues to have major concerns about these recent GAO analyses, and will continue to point out the shortcomings of these reports.

I would be happy to meet with you again to discuss these issues. Accurate and meaningful analysis of the Superfund program will always be welcomed, and is essential to properly frame the reauthorization debate going on today.

Sincerely,



Stephen D. Luftig
Director
Office of Emergency
and Remedial Response

cc: Timothy Fields, OSWER
Steven Herman, OECA
Joseph Crapa, OCIR
Cliff Rothenstein, OSWER
Barry Breen, OECA

Mr. FIELDS. I mentioned in my opening statement that we have 111 sites that were listed in the 1990's where construction is already complete. Okay, that is significant progress, and the administrative reforms are what have allowed us to achieve that significant progress, not just because of where we are now from the time a site that was listed in the 1980's or 1990's, but we believe the administrative reforms are what has allowed us to achieve this remarkable progress.

I don't share the same view as GAO about the timeline. Our data show it has now gone from 10 years, on the average, down to 8 years, on the average, the time it takes to go through a site listing to completion.

Slidell, Louisiana, the 450th site that we put on the NPL; we put it on the NPL in 1995, and we had construction completion in 1997. There are many other examples like that where we are moving faster. And, we have documentation for that.

[The information referred to follows:]

CGS of Sites List - 10/3/99

EPA ID	Site Name	City	State	Final Date	Construction Completion
AK1570028646	Elitson Air Force Base	Fairbanks N Star Bar	AK	11/21/1989	09/30/1998
CA7210020769	Riverbank Army Ammunition Plant	Riverbank	CA	02/21/1990	09/30/1997
CAD009136488	Spectra-Physics, Inc.	Mountain View	CA	02/11/1991	09/16/1992
CAD009155088	TRW Microwave, Inc (Building B25)	Sunnyvale	CA	02/21/1990	09/17/1992
CAD008212838	CTS Printex, Inc.	Mountain View	CA	02/21/1990	03/31/1992
CAD024295706	Lorentz Barbel & Drums Co.	San Jose	CA	10/04/1989	09/28/1998
CAD041472341	Ineralc Inc./Siemens Components	Cupertino	CA	08/30/1990	09/08/1992
CAD097012284	Fairchild Semiconductor Corp (S San Jose)	South San Jose	CA	10/04/1989	03/25/1992
CAD980636781	Pacific Coast Pipe Lines	Fillmore	CA	10/04/1989	08/27/1996
CAD980984209	Hevint-Packard (B20-B40 Page Mill Road)	Palo Alto	CA	02/21/1990	09/16/1997
CAD980989234	Watkins-Johnson Co. (Stewart Division)	Scotts Valley	CA	08/30/1990	08/22/1994
CAD981171623	Sola Optical USA, Inc.	Petaluma	CA	02/21/1990	08/14/1992
CAD980983735	Syntek, Inc. (Building 1)	Santa Clara	CA	10/04/1989	03/25/1992
CA1080034234	Advanced Micro Devices, Inc. (Bldg. 915)	Sunnyvale	CA	08/30/1990	03/25/1992
CTD108950972	Gallup's Quarry	Plainfield	CT	10/04/1989	09/30/1997
CTD981087317	Cheshire Ground Water Contamination	Cheshire	CT	08/30/1990	12/31/1996
DED980494837	Sussex County Landfill No. 5	Leavel	DE	10/04/1989	12/29/1994
DED980705645	Tyler Refrigeration Pt	Smyrna	DE	02/21/1990	05/10/1996
DED980714141	Chem-Solv, Inc.	Chasewald	DE	08/30/1990	06/30/1998
DED981039520	Sealand Limited	Mount Pleasant	DE	08/30/1990	03/27/1992
FLD004054284	Piper Aircraft/Vero Beech Water & Sewer	Vero Beach	FL	02/21/1990	09/21/1998
FLD004064242	Chevron Chemical Co. (Orlino Division)	Orlando	FL	05/31/1994	02/10/1998
FLD004126320	Standard Auto Bumper Corp.	Hialeah	FL	10/04/1989	10/04/1994
FLD004146346	Woodbury Chemical Co. (Princeton Plant)	Princeton	FL	08/30/1990	06/25/1992
FLD004574190	B&B Chemical Co., Inc.	Hialeah	FL	08/30/1990	10/01/1994
FLD020536538	Anaconda Aluminum Co./Mfgco Electronics	Miami	FL	08/30/1990	11/22/1994
FLD052172854	BMI Textron	Lake Park	FL	08/30/1990	08/11/1994
FLD055945653	City Industries, Inc.	Orlando	FL	10/04/1989	03/02/1994
FLD060174402	Chemform, Inc.	Pompano Beach	FL	10/04/1989	09/16/1993
FLD980494660	Beulah Landfill	Pensacola	FL	02/21/1990	09/16/1993
FLD981019235	Madison County Sanitary Landfill	Madison	FL	08/30/1990	02/04/1997

Current Query Criteria: Find sites such that: (Recent Final Date is between 09/30/1989 and 03/23/1999, inclusive) AND (Construction Completion is Yes)

EPA ID	Site Name	City	State	Final Date	Construction Completion D
GAD095840674	Cedartown Industries, Inc.	Cedartown	GA	02/21/1990	05/08/1997
GAD990741092	Diamond Shamrock Corp. Landfill	Cedartown	GA	08/30/1990	09/29/1995
GAD990856074	Firestone Tire & Rubber Co.(Albany Plant)	Albany	GA	10/04/1989	09/28/1998
HA7210030026	Schofield Barracks (USARMY)	Oahu	HI	08/30/1990	08/23/1998
IAD005291182	John Deere (Ottumwa Works Landfills)	Ottumwa	IA	02/21/1990	08/28/1992
IAD022193877	Farmers' Mutual Cooperative	Hoopers	IA	08/30/1990	08/12/1998
IAD065210734	White Farm Equipment Co. Dump	Charles City	IA	08/30/1990	09/09/1995
IAD990686804	E.L. Du Pont de Nemours (County Rd X23)	West Point	IA	09/30/1990	09/29/1993
IAD990692461	Northwestern States Portland Cement Co.	Mason City	IA	08/30/1990	12/23/1993
IAD981124167	Fairfield Coal Gasification Plant	Fairfield	IA	09/30/1990	08/24/1995
ID3572124857	Mountain Home Air Force Base	Mountain Home	ID	08/30/1990	09/30/1998
ILD980906305	DuPage County Landfill/Blackwell Forest	Warrenville	IL	02/21/1990	09/30/1998
ILD981781065	Central Illinois Public Service Co.	Taylorville	IL	08/30/1990	09/06/1995
IND006377048	Prestolite Battery Division	Vincennes	IN	10/04/1989	08/22/1997
IND986989791	Whiteford Sales & Service/Nationallease	South Bend	IN	08/30/1990	09/29/1995
KYD006371074	General Tire & Rubber(Mayfield Landfill)	Mayfield	KY	02/21/1990	10/01/1993
KYD045738291	Caldwell Lea Leather Co., Inc.	Auburn	KY	08/30/1990	06/30/1994
KYD980601019	Brantley Landfill	Island	KY	02/21/1990	08/27/1998
KYD985068954	National Electric Coil/Cooper Industries	Dayhott	KY	10/14/1992	08/21/1998
LAD008149015	Southern Shipbuilding	Slidell	LA	05/26/1995	09/15/1997
MED042143883	Union Chemical Co., Inc.	South Hope	ME	10/04/1989	09/30/1997
MI0001271535	H & K Sales	Beading	MI	06/17/1996	11/04/1997
MI0005341714	Hill Manufacturing Co.	Highland	MI	02/21/1990	03/30/1995
MID043681840	Kygor Industrial Corp.	Cadillac	MI	10/04/1989	09/23/1996
MID072569510	Muskegon Chemical Co.	Whitehall	MI	02/21/1990	08/26/1997
MID980892952	Metal Working Shop	Lake Ann	MI	02/21/1990	08/20/1992
MID985574227	Lower Ecorse Creek Dump	Wyandotte	MI	05/31/1994	09/01/1998
MND981191570	Dakshue Sanitary Landfill	Cannon Falls	MN	08/30/1990	06/30/1994
MOD000829705	Conservation Chemical Co.	Kansas City	MO	10/04/1989	09/23/1991
MOD000830954	Whiteling Disposal Service Co. Landfill	Amazonia	MO	10/04/1989	09/27/1994
MOD980631113	Kem-Pest Laboratories	Cape Girardeau	MO	10/04/1989	09/27/1994

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EPA ID	Site Name	City	State	Final Date	Construction Completion D
NCD981927502	Geigy Chemical Corp. (Abandoned Plant)	Aberdeen	NC	10/04/1989	07/20/1988
NED066456896	Lindsay Manufacturing Co.	Lindsay	NE	10/04/1989	08/03/1985
NJD0416653854	Witco Chemical Corp. (Oakland Pt)	Oakland	NJ	10/04/1989	09/28/1992
NJD980768301	Loft Municipal Well	Loft	NJ	08/30/1990	09/27/1983
NMD980622773	Prewitt Abandoned Refinery	Prewitt	NM	08/30/1990	08/22/1986
NMD980749378	Cimarron Mining Corp.	Carizzo	NM	10/04/1989	09/24/1982
NMD980749980	Pagano Salvage	Los Lunas	NM	10/04/1989	09/12/1991
NYD001667872	Radium Chemical Co., Inc.	New York City	NY	11/21/1989	09/21/1994
ORD09091442	Allied Filing, Inc.	Fortland	OR	02/21/1990	06/23/1993
PAD000439083	River Road Landfill/Waste Mgmt, Inc.	Herritage	PA	10/04/1989	12/29/1985
PAD002380444	CryoChem, Inc.	Worwan	PA	10/04/1989	09/22/1986
PAD039017694	Reynask	Hiboro	PA	10/04/1989	09/14/1995
PAD041421223	AMP, Inc. (Glen Rock Facility)	Glen Rock	PA	10/04/1989	12/14/1995
PAD981938200	Publiker Industries Inc.	Philadelphia	PA	10/04/1989	12/02/1997
PAD982366957	Metropolitan Mirror and Glass	Frankville	PA	10/14/1992	09/30/1988
PR4170027383	Naval Security Group Activity	Sabana Seca	PR	10/04/1989	09/30/1997
SCD000447268	Beaunt Corp. (Circular Knt & Dye)	Fountain Inn	SC	02/21/1990	09/26/1996
SCD980840698	Rochester Property	Rock Hill	SC	02/21/1990	12/31/1986
SCD980844005	Rock Hill Chemical Co.	Rock Hill	SC	08/30/1990	09/29/1994
SDD000823559	Williams Pipe Line Co. Disposal Pit	Sioux Falls	SD	10/04/1989	10/31/1995
TND044062222	Carrier Air Conditioning Co.	Collerville	TN	02/21/1990	09/24/1986
TND075453688	Mallory Capacitor Co.	Waynesboro	TN	10/04/1989	05/15/1996
TND987768546	Chemet Co.	Moscow	TN	05/31/1994	06/09/1993
TXD089793046	Diels Oil Processors, Inc.	Friendswood	TX	10/04/1989	09/30/1997
UTD000716399	Wasatch Chemical Co. (Lot 6)	Salt Lake City	UT	02/11/1991	09/30/1986
UTD980687240	Utah Power & Light/American Barrel Co.	Salt Lake City	UT	10/04/1989	09/21/1988
VAD098027973	Buckingham County Landfill	Buckingham	VA	10/04/1989	09/25/1997
VAD980552095	Diels Caverns County Landfill	Salem	VA	10/04/1989	09/30/1992
VAD980917983	Suffolk City Landfill	Suffolk	VA	02/21/1990	10/01/1996
VTD005039174	Transitor Electronics, Inc.	Bennington	VT	10/04/1989	09/26/1986
VTD980520092	BFI Sanitary Landfill(Rockingham)	Rockingham	VT	10/04/1989	09/26/1986

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EPA ID	Site Name	City	State	Final Date	Construction Completion D
VT0980520118	Dwelling Hill Dump	Lyndon	VT	10/04/1989	06/30/1992
WA1891406349	Bonnesville Power Adminn Ross (USDOE)	Vancouver	WA	11/21/1989	04/04/1996
WA4170090001	Port Hadlock Detachment (USNAVY)	Indian Island	WA	05/31/1994	09/29/1997
WA4890090075	Hanford 1100-Area (USDOE)	Benton County	WA	10/04/1989	07/25/1996
WA5170090069	Naval Air Station, Whidbey Island (Avit)	Whidbey Island	WA	02/21/1990	09/25/1997
WA5210890098	Hamilton Island Landfill(USA/CDE)	North Bonneville	WA	10/14/1992	03/30/1995
WA6170090058	Naval Air Station, Whidbey Is (Seaslane)	Whidbey Island	WA	02/21/1990	06/29/1995
WAD009045279	ALCOA (Vancouver Smelter)	Vancouver	WA	02/21/1990	07/30/1996
WAD009249210	Pacific Car & Foundry Co.	Renton	WA	02/21/1990	08/05/1996
WAD027315621	Northwest Transformer(South Harkness St)	Everton	WA	02/21/1990	09/29/1994
WAD067311094	American Crossarm & Conduit Co.	Chelalis	WA	10/04/1989	09/26/1996
WAD980639462	Seattle Municipal Landfill (Kent Highlids	Kent	WA	09/30/1990	09/07/1995
WAD981767296	Spokane Junkyard/Associated Properties	Spokane	WA	05/31/1994	07/14/1997
WAD988519708	Vancouver Water Station #1 Contamination	Vancouver	WA	05/31/1994	09/25/1998
WID980610141	Sauk County Landfill	Excelsior	WI	10/04/1989	09/01/1995
WID980610190	Ripon City Landfill	Fond Du Lac County	WI	05/31/1994	09/25/1996
WID980610604	Refuse Hidesway Landfill	Middleton	WI	10/14/1992	09/30/1998
WYD981546005	Mystery Bridge Rd/U.S. Highway 20	Evansville	WY	08/30/1990	12/16/1993

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Mr. GANSKE. But, you would admit, then, that simply looking at a chart where you list just the number of projects being brought to completion in any given year is not an index of progress, in terms of the length of time that it is taking to get it completed, because you may just have that many more projects in the pipeline? So that, as you add more and more projects on, you can expect that you are eventually going to get more and more of them completed.

Mr. FIELDS. You are right in the sense that there will be more sites completed because of time in the process. But, it is very clear that the progress you see on that chart could not have been achieved as quickly as it is being done without the administrative reforms. We were doing, if you look at that chart, 65 construction completions a year in the early 1990's. As you look at the data, we are now up to 85 a year. In the last 2 years alone we have achieved 175 construction-completions. We were not operating at nearly that pace in the early 1990's.

Mr. GANSKE. Well, maybe you can explain to me—in 1992, the last year of the Bush administration, there were 87 construction-completes. In the next 4 years, in the Clinton administration, there were 68, 60, 62, and 62, respectively. What was the difference?

Mr. FIELDS. The difference was that we got an infusion of money just prior to that year that we achieved 87 in the Bush administration. It was, actually, the year before we adopted construction-completion as being the indicator of Superfund Program progress. The additional infusion of money, roughly, \$400 million, was what allowed us to move faster toward getting more cleanups done that particular year. But, the overall budget that we achieved, \$1.5 billion a year, that budget, as you have seen during the 4 years 1993, 1994, 1995, and 1996, that budget allows you to achieve 65 cleanups a year. That is what we told Congress 6 years ago—by 2000, we would have 650 construction completions.

Because of the administrative reform agenda we have been implementing, over the last 6 years, we are now going to achieve 650 construction-completions by this summer. That is about a year and a half earlier than we told Congress. And, the real reason we are getting there faster is because of the administrative reforms. We have the same amount of money, but we are doing it faster.

Mr. GANSKE. But it's your contention that you are getting the sites cleaned up in a shorter timeframe. Now, does the GAO agree with that?

Mr. FIELDS. I think, when you look at the GAO testimony, the GAO testimony, as I read it last night, indicates that significant progress has been made in this program and that Superfund has been implementing its construction-completion initiative in a fair and constructive way. The General Accounting Office actually did a review. A document was prepared on our construction-completion initiative. The General Accounting Office's report was quite favorable about how we document and how we are completing many more constructions at Superfund sites.

Mr. OXLEY. The gentleman's time has expired. The gentlelady from Colorado.

Ms. DEGETTE. Thank you, Mr. Chairman.

I bet you know what I want to talk about, Mr. Fields. And, I want to clarify a few things with you. The reason I said, in my

opening statement, that with this new I-70 and Vasquez site in Denver, that I think that the wishes of the neighborhood and the property values should be taken into account, is because we have this existing Superfund site in Denver, the Shattuck site, which we have had a number of conversations about in the last year. In fairness to the EPA, this was a site that was closed before this administration came in.

However, in my opinion, in the bipartisan opinion of every elected official who deals with this site, and in the opinions of over 80 percent of the Denver voters, the "remedy," which is containment onsite in a residential neighborhood of uranium, was inappropriate in this situation. And, I have been trying to get a sense from the EPA now for about a year of what it is that you folks intend to do about this.

Last fall, after the voters elected, by a referendum, that they wanted this stuff moved out, the EPA announced that it would appoint a blue-ribbon panel to figure out what was going on. And, I learned, a couple of weeks ago that nothing happened with the blue-ribbon panel. Then, after I met with you, and some other officials from the EPA, I received a letter from you saying that perhaps we could have a meeting of interested parties that the Keystone group could facilitate, giving me the impression that you folks wanted me to pay for, at least, part of that meeting.

Then, after that, you visited Denver and announced that you were going to have an investigation whether lower standards were applied in cleaning up the waste. At the request of Senator Allard, you said you were going to appoint an EPA ombudsman; you said you were going to have an analysis by a Boston consulting firm, and, then, you also said you were going to have some meetings with the neighborhood.

So, here is my question to you: Exactly what is it that the EPA intends to do, and exactly what is the timeframe in which you intend to do it?

Mr. FIELDS. Thank you, Congressman. Again, we thank you for your active involvement at the site. I assure you that that active involvement has helped facilitate EPA's involvement at that site.

In my meeting with you, I made a commitment that we would play a more active role in headquarters in the review of activities at that site, and we are doing so. We are going to do a full review of activities at that site. The Administrator has asked me to personally oversee the review of the remedy.

We are doing four things: We are going to be doing a detailed scientific and technical review of the remedy, a contractor that we will be hiring will be evaluating all the technical and scientific issues raised by the community—

Ms. DEGETTE. And, what is the timeframe for that?

Mr. FIELDS. That will be done by September.

Second, we will be doing an ombudsman review. The National Ombudsman for Superfund, who works for me, will be doing a review of some of the community concerns that have been raised at the site, about environmental justice issues, about placement of that site in the community, and about the impact on re-development, some of the non-technical types of issues that have been raised about the Shattuck site.

Ms. DEGETTE. And when will that be done?

Mr. FIELDS. Everything is going to be done this summer. All four of these pieces will be completed this summer.

Ms. DEGETTE. So the ombudsman review is not dependent on the scientific data? It is a separate assessment?

Mr. FIELDS. No, all of these are being done on a parallel track to help facilitate getting the job done.

Third, as you mention, we will be hiring the Keystone Center in Keystone, Colorado, to facilitate several meetings that I will be present at, with key stakeholders involved in the Shattuck site. The mayor's office, the Governor's office, representatives of Shattuck have agreed to participate, the responsible party, representatives of the community.

We are going to schedule that meeting at a time that you can be there. We would like you to come and address that meeting when—

Ms. DEGETTE. Thanks for letting me know.

Mr. FIELDS. We will not schedule it unless you are available, I assure you of that. And, that meeting I expect to be sometime in the April to early May timeframe.

We are going to hire the contractor by April. We will have the contractor onboard at the Keystone Center. And then, that will be done during the summer.

And then, last, I have agreed to, personally, meet with the parties—the meeting with you was one such meeting. I, subsequently, met with the mayor a couple of weeks ago. We will be meeting with Senator Allard. We will be meeting with the representatives of Shattuck, and their views and comments will be considered.

Then, we have agreed, as an agency, to make our headquarters determination by the fall as to what we are going to do at the Shattuck site, based on the input from all four of those parallel efforts that will be underway.

Mr. OXLEY. The gentlelady's time has expired. The gentleman from Virginia, the chairman of the full committee.

Chairman BLILEY. Thank you, Mr. Chairman.

Mr. Fields, many of us are familiar with the waves of litigation that the Superfund law causes, I want to go over them with you.

Typically, EPA will go after a certain number of larger, potentially responsible parties. Those PRP's, in turn, can sue other small PRP's for contributions. The second group is allowed to sue even more PRP's. We have seen thousands brought into the mix, from Barbara Williams with her mashed potatoes, to auto dealers who recycle oil. In addition to these waves, PRP's can also create separate litigation against their insurance carriers. All of these are parties who probably will at least hire a lawyer and many incur thousands in unnecessary expenses—all of this, often for insignificant contributions of waste.

Many are liable for activities that occurred over 30 years ago. Many are liable because they bought a company which was acting in full accordance with the law. The system is a travesty.

The National Federation of Independent Businesses has testified, "There have been over 100,000 different potentially responsible parties identified at Superfund sites." The effect of the current liability system is permeating all segments of the small business

community. No issue, in this very complex public policy debate, will have a more direct impact on the present and future economic viability of many small businesses. That is, in one segment, whether it be a retail store, a professional service business, or a construction business that has not been touched. My question is: Why is the administration not working with us on statutory reforms to these problems?

Mr. FIELDS. We agree with you that the litigation impact needs to be considered and addressed. We support getting Barbara Williams out of the system. That is why we support a legislative provision that would exempt and provide liability relief for small generators and transporters of municipal solid waste. Barbara Williams would not be in our liability system if that kind of legislative provision were enacted.

Over the last 6 years, second, we have introduced an aggressive reform agenda where we have settled, with 18,000 de minimis parties, with 400 settlements, to get them out of the Superfund liability system, to make sure they are not sought after by third-party litigants and to cut down on litigation by that reform. We have implemented a de minimis enforcement policy that allows people to settle out for a dollar out of the Superfund liability system. We have offered \$145 million in orphan share funding to help facilitate settlements. And we have found that, in terms of larger parties, we have seen more fairness being implemented as well. PRP's, over the last 3 years, have agreed to conduct cleanup under the settlement reform, agreements rather than through unilateral administrative orders. That is up from 50 percent more than 3 years ago.

So, we think that in all aspects of the program, we have tried to be fair to the larger parties as well as the smaller parties. And we support, as you do, liability reform to get Barbara Williams and other small entities out of the Superfund liability system.

Chairman BLILEY. Thank you, Mr. Chairman. I have no further questions.

Mr. OXLEY. I thank the gentleman. The gentleman from Wisconsin, Mr. Barrett.

Mr. BARRETT. Thank you, Mr. Chairman.

I apologize that I wasn't here to hear your testimony, but looking at your written submission, I note that you state that the agency has gone from cleaning up 65 sites per year to cleaning up 85 sites per year. And, obviously, that is something that I think that you can be proud of, if you are working more efficiently and effectively. What was the key that allowed you to get from 65 to 85?

Mr. FIELDS. Well, it was the set of administrative reforms we have introduced over the last 3 years. We implemented three rounds of administrative reforms, and those reforms include things like presumptive remedies, where we don't have to spend 2 years studying how to clean up certain categories of sites like volatile organic chemicals or municipal landfills; that saved time. The fact that we have reduced cost in the cleanup process by 20 percent, that has allowed us to do more cleanups with the same amount of money. So, it is this set of reforms that have allowed us to move faster in this process.

We are now doing it faster and, because of that, we are now cleaning up 85 sites a year as opposed to 65, one-third increase in

the number of cleanups that we are doing each year. So, we think that the administrative reform agenda is what has allowed us to address many more sites than we were formerly able to address during the early 1990's.

Mr. BARRETT. Have you found that, along with that increased speed, that you have increased hostility toward the agency?

Mr. FIELDS. No, I don't think that that has increased hostility at all. We are finding that, you know, more than 70 percent of the cleanups that we are effectuating are being done by responsible parties. The sites that were cleaned up in, for example, the construction-completions in fiscal year 1998, 72 percent of those were done by responsible parties. So, we are seeing that, over the last 5 years, roughly, 70 percent of the cleanups are being done by responsible parties.

We are thinking that the enforcement dollars we are putting into this program have been tremendously leveraged. We have obligated \$2.3 billion over the last 18 years for enforcement and cost-recovery activities in this program. That has resulted in more than \$15.5 billion in responsible-party activity. In addition to what we are putting in the trust fund, the responsible parties are stepping up to the plate and doing effective cleanup and helping us facilitate and do a greater number of cleanups each year, because of the aggressive job we have in enforcement and the responsible-party activity going on at many of these sites.

Mr. BARRETT. In my experience in Wisconsin, the State that I come from, it appears that a strong Federal cleanup program, with the Federal liability scheme and the threat of NPL listing, has, in a way, benefited the State cleanup program because you are so much the "gorilla in the closet," if you will, that nobody wants to have the EPA come in and a Superfund come in. Is that experience similar in other States? Are you seeing more States becoming active, trying to avoid, at all costs—

Mr. FIELDS. That is definitely true. We have seen that in many States, in implementing—as the chairman was indicating, it goes much beyond Superfund, much beyond the NPL. State programs are telling us that the fact that we have a joint and several liability scheme, a strong liability provision in the Superfund law, actually helps them in terms of getting more cleanup done. The regulated community, and other parties, would rather do cleanup pursuant to a State cleanup program than get involved in being on the Superfund List or have to get involved in being on the National Priorities List. The State programs have told us that a powerful Federal statute allows them to get much more cleanup. This fact has been documented, in reports prepared by the U.S. General Accounting Office as well.

Mr. BARRETT. When you have a situation—again, I am thinking of my own State—where you have got a cleanup site where the State, and most of the local players, desperately don't want to have the Superfund involvement, what is the criteria you are using to decide whether you are going to allow this State to move forward on its own or whether you are going to step in?

Mr. FIELDS. Well, as we said earlier, we have been working closely with the States over the last 3 years, under our State Governor concurrence policy. We consider the threat posed by a site; we con-

sider whether or not the State is willing to take that site on; we consider whether or not that site is one where there are willing, or unable or unwilling or incapable responsible parties to deal with the site. If the State is willing to take the site, we are willing to defer to a State voluntary cleanup program or to a State Superfund program, or to voluntary PRP action. We only utilize the National Priorities List, and make a site a Federal interest, if it cannot be dealt with any other way.

Over the last 5 years, we have listed, roughly, 25, 26 sites on the NPL each year. We don't put sites on the NPL just because they score above 28.5. We do it when we can't find an alternative way to deal with that site.

Mr. OXLEY. The gentleman's time has expired. The gentleman from Pennsylvania, Mr. Greenwood.

Mr. GREENWOOD. Thank you, Mr. Chairman.

I would like to place into the record, and provide to Mr. Fields, a set of statements from parties who have been seeking statutory reform to provide certainty and finality for State voluntary and brownfields cleanups. These parties supported the language in H.R. 3000, Congressman Oxley's bipartisan bill from last session, which included my brownfield provisions. This group includes the State waste management officials, the Governors, the State attorneys general, cleanup engineers, and contractors, and realtors. Do you have a copy of that yet, Mr. Fields?

[The information referred to follows:]

PARTIES SEEKING STATUTORY REFORM TO PROVIDE CERTAINTY AND FINALITY FOR
STATE, VOLUNTARY AND BROWNFIELDS CLEANUPS

EXCERPTS FROM TESTIMONY AND LETTERS FROM HEARINGS BEFORE THE SUB-
COMMITTEE ON FINANCE AND HAZARDOUS MATERIALS IN THE 105TH CONGRESS ON
H.R. 3000

National Governors' Association

"The Governors believe that congressional direction is needed because the September 1997 EPA draft guidance on state voluntary clean-up programs would have seriously eroded state authority at the expense of federal programs. Although the draft guidance was withdrawn, the Governors is still prevalent. They support the brownfields provisions in H.R. 3000 and believe that these changes would facilitate cleanups across the nation and provide certainty for remediating parties.

States believe that voluntary cleanup programs and brownfields development are being hindered by the pervasive fear of liability under CERCLA. The Governors would strongly support provisions that encourage potentially responsible parties and prospective purchasers to voluntarily clean up sites and reuse and develop contaminated property by precluding federal enforcement at sites where cleanup has occurred under state programs . . ."

Association of State and Territorial Waste Management Officials

"Our second goal will be met if title III of H.R. 3000 is enacted and States are allowed to release sites from federal liability once a site has met State standards. The reality is the CERCLA statute has become a primary impediment to remediating sites not listed on the NPL, yet they are still subject to CERCLA liability even after the site has been listed on the NPL. The majority of sites classified as Brownfields will never be placed on the NPL, yet they are still subject to State standards. We can no longer afford to foster the illusion that State authorized cleanups may somehow not be adequate to satisfy federal requirements. The potential for EPA overfile and for third party lawsuits under CERCLA is beginning to cause many owners of Brownfields sites to simply "mothball" the properties . . . States should be able to release sites from liability once a site has been cleaned up to State standards . . ."

The National Association of Attorney Generals

“Federal statutory provisions should be flexible enough to accommodate different state voluntary cleanup laws. States should be able to self-certify, subject to EPA’s approval. After such approval, the state should be authorized to issue a release from federal liability when a volunteer complies with a federally approved state brownfields program. In this fashion state brownfields programs can operate to their fullest potential.”

Clean-up Engineers and Contractors

“HWAC [Hazardous Waste Action Coalition] is our trade association representing more than 60 of the country’s leading engineering, science and construction firms practicing in multimedia environmental management and remediation. [H.R. 3000] is badly needed. This bill IS protective of human health and environment; it Does promote and enhance clean-up. This bill Will ensure that innovations are applied to cleanups; it provides incentives for new technologies at hazardous waste sites. And the bill WILL spur essential state and local voluntary cleanup programs that sometimes languish due to the shadow of potential CERCLA liability that runs from the Beltway to every Brownfield site in this country.”

The National Association of Realtors

“Uncertainty over potential liability associated with real estate which is an actual or potential Superfund site has proven to be a significant deterrent in the purchase, sale and development of commercial and residential properties. Properties that could be positively contributing to local economies remain dilapidated, contributing to nothing but economic ruin”.

Mr. FIELDS. Not yet.

Mr. GREENWOOD. I think that it is coming at you here.

Let me read some quotes from these statements, first from the—first, do you have one now, sir? Okay, very good. If you look at the National Governors Association, the second paragraph—I am just shortening it to get through this—states, “States believe that voluntary cleanup programs and brownfields development are being hindered by the pervasive fear of liability under CERCLA. The Governors would strongly support provisions that encourage potentially responsible parties and prospective purchasers to voluntarily clean up sites and to reuse and develop contaminated property by precluding Federal enforcement at sites where cleanup has occurred under State programs.” That is the National Governors Association.

If you look at the Association of State and Territorial Waste Management Officials, it says, “The reality is that CERCLA statute has become a primary impediment to remediating sites not listed on the NPL. Yet, they are still subject to CERCLA liability, even after the site has been listed on the NPL. We can no longer afford to foster the illusion that State-authorized cleanups may somehow not be adequate to satisfy Federal requirements. The potential for EPA overfile and for third-party lawsuits under CERCLA is beginning to cause many owners of brownfield sites to simply ‘mothball’ the properties. States should be able to release sites from liability once a site has been cleaned up to State standards.”

National Association of Attorney Generals, about halfway down: “The States should be authorized to issue a release from Federal liability when a volunteer complies with federally approved State brownfields program, and in this fashion, State brownfields programs can operate to their fullest potential.”

The cleanup engineers and contractors, the Hazardous Waste Action Coalition says: “The bill will spur essential State and local voluntary cleanup programs that sometimes languish due to the shad-

ow of potential CERCLA liability that runs from the Beltway to every brownfields site in this country.”

And, finally, from the National Association of Realtors, quote, “Uncertainty over potential liability associated with real estate which is an actual or potential Superfund site has proven to be a significant deterrent to the purchase, sale, and development of commercial and residential properties. Properties that could be positively contributing to local economies remain dilapidated, contributing to nothing but economic ruin.”

Now, Mr. Fields, briefly, these groups say that when a party works with the State on a cleanup plan that should be final, there should be a release from further liability and cleanup issues. This would seem to require statutory change.

As I read your testimony, the administration’s answer to this point is that EPA has entered into 85 prospective purchaser agreements and issued over 250 conferred-status letters. And, I am aware that has happened in my district and it been helpful. But, this would suggest that EPA has to get involved at every site, at least in this manner, to get this kind of release.

I understand that there would be tens of thousands of brownfields sites. The question is, do you really believe this administrative approach will solve the problem with so many sites involved?

Mr. FIELDS. Well, we think that, you know, prospective purchaser agreements and comfort letters are tools that have been utilized, but we think the real answer here is to have an effective partnership between the Feds and the States. The General Accounting Office indicates that there are 450,000 brownfields sites across the country. And, we, in the Federal Government, will not ever be able to deal with all those sites. We have enough difficulties just being able to address the, roughly, 1,300 sites on the Superfund National Priorities List. We believe the job, the answer to the finality questions, is to have the States enter into memoranda of agreement with the Federal Government, to make clear that there is a partnership where we are deferring to the State for cleanups of voluntary cleanup of brownfields and VCP sites in that State.

Mr. GREENWOOD. But, isn’t it the case of, if one PRP will not release another PRP from liability, that that is not going to solve the problem?

Mr. FIELDS. Well, that is an issue that we have got to make sure that we have to better communicate the fact that we have never intervened. We have never intervened in an oversight of a cleanup by a State unless that State specifically asked. We think we have got to maintain a Federal safety net for those situations where a State wants us to come in.

Mr. GREENWOOD. But, the problem is that a PRP can intervene—I mean, you have got two levels here; you have got DC, Washington, the Federal Government. EPA looms over and can—you say it hasn’t—but the problem is you can’t measure the invisible effect of the fact that you can and haven’t. You can’t measure what that does to property owners, potential buyers, and, also, potentially responsible parties can intervene, even if you don’t, after a State has completed its work. Isn’t that right?

Mr. FIELDS. That is correct.

Mr. OXLEY. The gentleman's time has expired.

Mr. GREENWOOD. So, to fix that, we need a statutory change. Okay.

Mr. OXLEY. The gentleman from Illinois, Mr. Rush.

Mr. RUSH. Thank you, Mr. Chairman. I don't have a lot of questions. I just have 1 or 2.

Mr. Fields, can you go into more details about your cooperation between EPA and local stakeholders, community organizations, not-for-profits, universities? Exactly how is the EPA engaging the local components, local stakeholders, in brownfields cleanups? And can you explain, go into more detail, about how it actually works?

Mr. FIELDS. Sure. We have made very clear, since the beginning of our brownfields initiative, in January 1995, that local stakeholder involvement is a critical component, as we cleanup brownfields, and that has been very successful. In addition to the grants we have given out to now 250 communities across America, the private parties have now contributed more than a billion dollars toward cleanup. And that is part of the answer to Mr. Greenwood's question. Private parties are actually finding that brownfields are something they want to invest in; they are coming to the table and are getting involved. More than 2,500 jobs have been created.

And, we are making clear that, when we award a brownfields grant, roughly, \$200,000 to one of these 250 communities, they have to have involvement with the local community. We require, before they can even get a grant, that there is clear demonstration that the community is involved; the community supports this grant; the State voluntary cleanup program is supportive of this grant being applied for and being given by EPA. So we assure that environmental justice and environmental and community concerns are addressed prior to the award of a brownfields grant.

That is why we never had, in the 4-year history of this program, we have never had a title VI complaint filed around a brownfields site. It is because we have assured effective, coordinated community involvement upfront. So people are not filing civil rights complaints, because the communities are involved upfront, as we initiate brownfields activities in their communities. They are part of the process. We are looking at how they can be involved in job creation, how the reuse options that are looked at in that community are worked on with the community in mind and with community involvement.

Mr. RUSH. Does the local, regional EPA administrator—are they the first point of contact between the local stakeholders and the EPA or—what functions do the regional offices, what functions do they have in terms of this entire process?

Mr. FIELDS. Well, each regional administrator has appointed a brownfields coordinator in their region. That brownfields coordinator works with the cities and the States who apply for a brownfields grant, and that brownfields application, when it comes into the regional office, that has been done with consultation by EPA and other Federal and State staff. Therefore, the regions do an initial screening, the brownfield coordinators, of those applications, and then the applications come to EPA headquarters, where

we pick the finalists and those grantees that would be selected to be new brownfield pilots, either for assessment grants or, under the new support of Congress, a revolving loan fund grant. But, the regions each have their brownfields coordinator that reviews them before they come to Washington.

Mr. RUSH. Mr. Chairman, I am not sure if this should be transmitted through you, but I would like to have information regarding my district, the first district of Illinois, the city of Chicago, and the State of Illinois. I would like to know who has assessment grants, who has been given loans, what organizations are involved in your efforts there, because I am unaware of any entity, particularly in my district.

Mr. FIELDS. We will be happy to provide that. We will be happy to give you that. We have, by congressional district, the brownfields grants that have been awarded and we will be happy to share that with you, for the record.

[The information referred to follows:]



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

APR 15 1999

OFFICE OF
SOLID WASTE AND EMERGENCY
RESPONSE

The Honorable Bobby Rush
U.S. House of Representatives
Washington, DC 20515

Dear Congressman Rush:

It was a pleasure to testify before the Subcommittee on Finance and Hazardous Materials, Committee on Commerce, on March 23, 1999, on the subject of the Environmental Protection Agency's (EPA) Superfund program. In response to your follow-up questions on the brownfields initiative, I am pleased to provide you with information on brownfields activities in the State of Illinois and, specifically, in the first Congressional District, the city of Chicago.

To date, EPA has awarded ten brownfields assessment pilot grants of up to \$200,000 each to cities/counties in Illinois, including a grant to the State of Illinois. Three of these assessment pilots--Chicago, West Central Municipal Conference, and Cook County--are in your District. The West Central Municipal Conference is also the recipient of a \$350,000 Brownfields Cleanup Revolving Loan Fund pilot grant.

In March 1998, the city of Chicago received an additional \$200,000 from EPA upon its selection as a Brownfields Showcase Community, one of sixteen communities announced by Vice President Gore. As a showcase community, Chicago received a wide range of targeted federal resources and support and will serve as a model for future cooperative efforts among federal, state, and local governments and the private sector in cleaning up and revitalizing brownfields.

In addition, Chicago is one of three cities selected to be a Clean Air/Brownfields Partnership Pilot. The city is working with the U.S. Conference of Mayors, EPA, the Department of Commerce, the Illinois EPA, and other partners to develop a clean air attainment plan that satisfies EPA's Clean Air Act requirements while meeting the restoration and reuse needs of the city, with a sensitivity to environmental justice concerns.

For your information, we have enclosed fact sheets on the assessment pilots, showcase community, and the air pilot and a state brownfields profile for Illinois. EPA is delighted to be working so closely with cities in the State of Illinois to solve environmental problems which plague our nation's cities. If you have questions or need additional information, please have your staff contact Linda Garczynski, Director of the Outreach and Special Projects Staff, at (202)260-4039.

Sincerely,

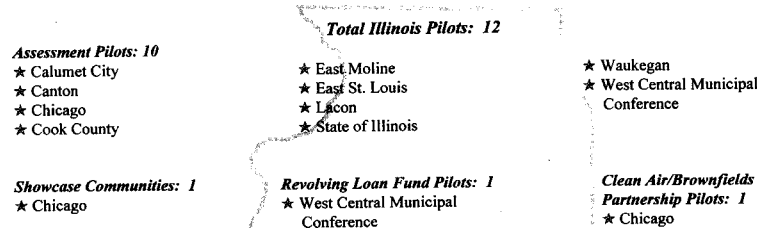
A handwritten signature in cursive script that reads "Timothy W. Welds, Jr.".

Timothy W. Welds, Jr.
Acting Assistant Administrator

Enclosures

U.S. EPA BROWNFIELDS INITIATIVE

EPA's **Brownfields Economic Redevelopment Initiative** provides funds to States, Tribes, and political subdivisions to promote cooperative efforts to prevent, assess, safely clean up, and sustainably reuse brownfields. Assessment Pilots, Showcase Communities, Job Training Pilots, and Revolving Loan Fund Pilots are four programs designed to empower communities and other stakeholders to address brownfields issues.



Total Illinois Pilot funding since September 1995: \$2,741,000 (EPA funding only)

- ★ Assessment Pilots: \$1,991,000 (including Showcase Community funding)
- ★ Revolving Loan Fund Pilot: \$350,000
- ★ Clean Air Pilot: \$400,000 (U.S. Department of Commerce's Economic Development Administration awarded an additional \$100,000)

Measures of Success

- ★ Across three Illinois Pilots, 24 assessments have been completed.
- ★ The Chicago Pilot has leveraged over \$3 million in Federal funding.
- ★ Federal Partnership successes include:
 - ⇒ The Chicago Showcase Community was awarded a \$225,000 NIEHS Minority Worker Training Program Administrative Supplement.
 - ⇒ Chicago will receive a \$2.5 million Brownfields Economic Development Initiative (BEDI) grant and \$18 million in Section 108 loan guarantees from the U.S. Department of Housing and Urban Development (HUD). This funding will be used to spur redevelopment at five sites; it is expected that businesses that ultimately locate at these sites will provide 600 jobs and revitalize nearly 85 acres. This is on top of the \$54 million in Section 108 loan guarantee funds previously received by the City of Chicago's Brownfields Initiative.

Illinois' Voluntary Cleanup Program (VCP)

- ★ EPA provides funds to States and Tribes to develop and/or enhance their voluntary cleanup programs. EPA awarded \$445,780 to Illinois' VCP since 1997.
- ★ A Memorandum of Agreement was signed with EPA in April 1995.

Brownfields Initiative Highlights: Chicago

- ★ Chicago has been awarded an Assessment Pilot, a Showcase Community, and a Clean Air/Brownfields Partnership Pilot, receiving a total of \$641,000 in EPA funding (plus an additional \$100,000 from the U.S. Department of Commerce as part of the Clean Air Pilot designation). EPA has contributed over \$200,000 in services to the City of Chicago through the Intergovernmental Personnel Act.

Combined with Federal funding and loan guarantees from HUD and NIEHS, Chicago will have received more than \$75 million in Federal funding over the past two years.

United States
Environmental
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Washington, D.C. 20460

Solid Waste
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EPA 500-F-98-254
November 1998
www.epa.gov/brownfields/



Brownfields Showcase Community Chicago, IL

Outreach and Special Projects Staff (5101)

Quick Reference Fact Sheet

Brownfields are abandoned, idled or underused industrial and commercial properties where expansion or redevelopment is complicated by real or perceived contamination. In May 1997, Vice President Gore announced a Brownfields National Partnership to bring together the resources of more than 15 federal agencies to address local cleanup and reuse issues in a more coordinated manner. This multi-agency partnership has pledged support to 16 "Brownfields Showcase Communities"—models demonstrating the benefits of collaborative activity on brownfields. The designated Brownfields Showcase Communities are distributed across the country and vary by size, resources, and community type. A wide range of support will be leveraged, depending on the particular needs of each Showcase Community.

BACKGROUND

The Brownfields National Partnership has selected the City of Chicago as a Brownfields Showcase Community. The Chicago Brownfields Initiative, established in 1993, links environmental cleanup with industrial real estate development in order to create jobs and generate tax revenue. The city's 1995 Brownfields Forum Final Report and Action Plan identified more than 60 barriers to redevelopment. Solutions already implemented include a property tax incentive, a model lending package, and land acquisition tools.

The Initiative currently manages about 26 sites, and is comprised of an interdepartmental team of project managers from the city Departments of Environment, Planning and Development, and Law. More than 100 potential additional brownfields sites exist, and will be evaluated based on access and control, estimates of cleanup costs, and property value. Most of these areas have received special designations (model industrial corridors, planned manufacturing districts, and tax

increment financing districts). The city will target 4 of the 26 sites that are large industrial park projects. These targeted sites are located in three communities with poverty rates ranging from 17-44%, unemployment rates of 7.6-17.5%, and minority populations of 71-99%.

CURRENT ACTIVITIES AND ACHIEVEMENTS

Chicago's Brownfields Initiative has operated from a regional perspective, with public health protection as well as economic redevelopment serving as fundamental parts of the plan. Highlights of Chicago's brownfields redevelopment program include:

- Removing the "Kildare Mountain," 600,000 cubic yards of illegally dumped solid waste from an 18-acre site that is now being cleaned up prior to redevelopment;

- Utilizing a \$2 million general obligation bond to redevelop five sites and leverage a \$54 million loan guarantee from the Department of Housing and Urban Development, along with \$1.6 million from other sources for additional brownfields programs;

Community Profile



Chicago, Illinois

Through its efforts to return the city's abandoned or underused properties to productive use, the Chicago Brownfields Initiative has leveraged \$57.6 million from federal and other sources. There are 26 sites currently targeted under the Initiative.

- Identifying 22 "Model Industrial Corridors" that have been or will be designated tax increment financing districts to encourage further private investment; and
- Redeveloping numerous brownfields sites that has led to job creation or retention. Some examples include the Verson Steel site, where 125 jobs were created and 500 were retained; the Scott Peterson site, where 100 jobs were created and 250 were retained; the Blackstone Manufacturing site, where 100 jobs were created and 200 were retained; the Chicago Turnrite site, where 14 jobs were created and 50 were retained; and the Chicago Dryer site, where 7 jobs were created and 150 were retained.

Chicago has been designated an Environmental Protection Agency Brownfields Assessment Demonstration Pilot; a Department of Housing and a Urban Development Empowerment Zone; and State of Illinois Enterprise Community. Partnerships have also been formed with the Metropolitan Planning Council and the Northern Illinois Planning Commission.

Chicago has also established partnerships with community, civic, and business organizations; developers; lenders; educational institutions; employment training organizations; and neighborhood associations. The Chicago Association of Neighborhood Development Organizations (CANDO) has developed a program that covers real estate marketing, environmental investigation and cleanup, and financing and development opportunities. CANDO has also established a Brownfields Institute to educate community development organizations about brownfields issues and opportunities.

SHOWCASE COMMUNITY OBJECTIVES AND PLANNED ACTIVITIES

Chicago will continue to be a national model as a Showcase Community, working with federal agency partners to enhance brownfields redevelopment and develop public policies that encourage responsible land use. A 1995 study by the University of Illinois at Chicago concluded that urban core development was a more cost effective and equitable route than greenfields development and its resulting sprawl. Chicago will build on the strength of past activities and its established local, regional, state, and federal partnerships. Proposed new partnerships include DePaul University and the mayor's office, both for employment opportunities and job training. The city will also experiment with the use of project management and geographical information software to streamline projects.

Contacts

Department of Environment
City of Chicago
(312) 744-9139

Regional Brownfields Team
U.S. EPA - Region 5
(312) 886-5284

For more information on the Brownfields Showcase Communities,
visit the EPA Brownfields web site at:
<http://www.epa.gov/brownfields/showcase.htm>

United States
Environmental
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Washington, D.C. 20460

Solid Waste
and Emergency
Response (5101)

EPA 500-F-97-116
April 1997



Regional Brownfields Assessment Pilot

Chicago, IL

Outreach and Special Projects Staff (5101)

Quick Reference Fact Sheet

EPA's Brownfields Economic Redevelopment Initiative is designed to empower States, communities, and other stakeholders in economic redevelopment to work together in a timely manner to prevent, assess, safely clean up, and sustainably reuse brownfields. A brownfield is a site, or portion thereof, that has actual or perceived contamination and an active potential for redevelopment or reuse. Between 1995 and 1996, EPA funded 76 National and Regional Brownfields Assessment Pilots, at up to \$200,000 each, to support creative two-year explorations and demonstrations of brownfields solutions. EPA is funding more than 27 Pilots in 1997. The Pilots are intended to provide EPA, States, Tribes, municipalities, and communities with useful information and strategies as they continue to seek new methods to promote a unified approach to site assessment, environmental cleanup, and redevelopment.

OVERVIEW

EPA Region 5 has selected the City of Chicago as a Regional Brownfields Pilot. The west side of Chicago is characterized by mixed residential and industrial land uses. Abandoned industrial properties have created economic blight and hampered redevelopment. In 1993, representatives from the Chicago Departments of Environment, Planning and Development, Buildings, Law, and the Mayor's Office came together to develop a strategy for promoting cleanup and redevelopment of the City's brownfields. The City developed a three-pronged initiative based on this strategy.

The Brownfields Forum is a broad-based public/private policy group including real estate developers, industrialists, bankers, lawyers, representatives from local, State, and Federal government agencies, environmental advocates, and community groups. Between December 1994 and June 1995, over 130 people attended a series of working meetings, developing 65 recommendations for promoting brownfields redevelopment. Forum participants formed project teams and implemented some of the recommendations including regulatory changes, influencing regional planning, involving communities and promoting pollution prevention.

PILOT SNAPSHOT



Date of Award:
April 1997

Site Profile: The pilot will target brownfields sites located on the City's west side.

Contacts:

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Visit the EPA Brownfields Website at:
<http://www.epa.gov/brownfields>

Also during this time period, the Brownfields Sites Program invested less than \$1 million to investigate, clean up and prepare five sites for private redevelopment. The City worked with community and business groups and local, State and Federal officials which resulted in private capital investment of over \$5.2 million and the creation of over 100 jobs.

The Brownfields Economic Analysis studied a critical connection between economic research, public policy, and the practice of brownfields redevelopment. Research performed by economists at the University of Illinois at Chicago discovered that urban sprawl primarily benefits suburban employers, who are being subsidized by taxpayers and commuters.

OBJECTIVES

The objective of this brownfields pilot is to continue the successful work begun by the City of Chicago in two important ways. The brownfields pilot will: assess the responsiveness of environmental and economic redevelopment policies devised by the City of Chicago; and develop a stakeholder participation process for three brownfields redevelopment sites.

ACTIVITIES

Activities planned as part of this pilot include:

Chicago Brownfields Forum Evaluation

- Performing interviews with Forum participants to assess implementation and effects of the 1995 Action Plan; and
- Recording and assessing accomplishments of the Forum's workgroups to better define future redevelopment goals.

Stakeholder Participation Process

- Coordinating with the City's Department of Environment and the Department of Planning and Development to develop brownfields site specific information including site histories, environmental problems, anticipated redevelopment, and interactions with community members;

- Interviewing stakeholders to determine concerns with sites, levels of participation desired, and concerns relating to the cleanup and redevelopment process; and

- Developing and implementing a stakeholder participation plan for each site.

The cooperative agreement for this Pilot has not yet been negotiated; therefore, activities described in this fact sheet are subject to change.

United States
Environmental
Protection Agency
Washington, D.C. 20460

Solid Waste
and Emergency
Response (5101)

EPA 500-F-97-137
April 1997



National Brownfields Assessment Pilot Cook County, IL

Outreach and Special Projects Staff (5101)

Quick Reference Fact Sheet

EPA's Brownfields Economic Redevelopment Initiative is designed to empower States, communities, and other stakeholders in economic redevelopment to work together in a timely manner to prevent, assess, safely clean up, and sustainably reuse brownfields. A brownfield is a site, or portion thereof, that has actual or perceived contamination and an active potential for redevelopment or reuse. Between 1995 and 1996, EPA funded 76 National and Regional Brownfields Assessment Pilots, at up to \$200,000 each, to support creative two-year explorations and demonstrations of brownfields solutions. EPA is funding more than 27 Pilots in 1997. The Pilots are intended to provide EPA, States, Tribes, municipalities, and communities with useful information and strategies as they continue to seek new methods to promote a unified approach to site assessment, environmental cleanup, and redevelopment.

OVERVIEW

EPA has selected Cook County, in partnership with the City of Harvey, as a Brownfields Pilot. The concentration of former industrial facilities that are known or suspected to be contaminated, as well as the presence of landfills, have combined to create blighted areas in Harvey. These areas are characterized by deteriorating housing and infrastructure. In addition, a number of the properties are tax delinquent, resulting in declining tax revenues and increasing municipal tax rates to fund basic municipal services. The city is struggling to revitalize its industrial and commercial base, improve housing, and repair its aging infrastructure. Seeking an innovative way to combat these problems, the city joined four neighboring suburban Chicago communities (Dixmoor, Ford Heights, Phoenix, and Robbins) to form the South Suburban Enterprise Communities (SSEC), which is dedicated to the economic redevelopment of the area. The SSEC was designated a federal Enterprise Community in 1995.

The pilot site was selected by the SSEC. It is the former Wyman-Gordon manufacturing facility, a 39-acre parcel, in Harvey. The facility is one of many known or suspected brownfields identified during a survey conducted in 1991. Although developers have expressed some interest in brownfields, such as the

PILOT SNAPSHOT



Cook County, Illinois

Date of Award:
April 1997

Amount: \$200,000

Site Profile: The pilot site is a former crankshaft manufacturing facility occupying approximately 39 acres in the City of Harvey.

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Wyman-Gordon manufacturing facility, redevelopment within the SSEC has not occurred because of concerns about contamination, liability, and unknown remediation costs.

OBJECTIVES

Cook County's goals are to expand its economic base, bring in new businesses, and create new jobs. Redeveloping brownfields is a critical step toward achieving these goals. The objectives of the pilot are to conduct a site assessment of the Wyman-Gordon manufacturing facility, involve the community and other stakeholders in redevelopment planning, and begin planning efforts to leverage funds for cleanup through partnerships with developers and investors.

ACTIVITIES

Activities planned as part of this pilot include:

- Completing a site assessment of the pilot site;
- Implementing community outreach and education programs to involve the community and other stakeholders in redevelopment planning;
- Planning outreach activities for cleanup and redevelopment, including efforts to leverage redevelopment incentive programs (e.g., the Cook County No Cash Bid Program, the Tax Increment Financing District Program, and tax incentives offered through state and federal enterprise zone programs); and
- Working with community colleges and employment training organizations to link redevelopment of brownfields with job training and business opportunities.

The cooperative agreement for this Pilot has not yet been negotiated; therefore, activities described in this fact sheet are subject to change.

United States
Environmental
Protection Agency
Washington, D.C. 20460

Solid Waste
and Emergency
Response (5101)

EPA 500-F-97-040
May 1997



National Brownfields Assessment Pilot West Central Municipal Conference, IL

Outreach and Special Projects Staff (5101)

Quick Reference Fact Sheet

EPA's Brownfields Economic Redevelopment Initiative is designed to empower States, communities, and other stakeholders in economic redevelopment to work together in a timely manner to prevent, assess, safely clean up, and sustainably reuse brownfields. A brownfield is a site, or portion thereof, that has actual or perceived contamination and an active potential for redevelopment or reuse. Between 1995 and 1996, EPA funded 76 National and Regional Brownfields Assessment Pilots, at up to \$200,000 each, to support creative two-year explorations and demonstrations of brownfields solutions. EPA is funding more than 27 Pilots in 1997. The Pilots are intended to provide EPA, States, Tribes, municipalities, and communities with useful information and strategies as they continue to seek new methods to promote a unified approach to site assessment, environmental cleanup, and redevelopment.

BACKGROUND

EPA selected the West Central Municipal Conference (WCMC) for a Brownfields Pilot. The WCMC is a regional group of 36 municipalities representing over 520,000 people and covering approximately 200 square miles in suburban Cook County, Illinois. The WCMC communities are mature "inerring" suburbs that have recently experienced a steady loss of jobs and population as businesses have relocated to "greenfields" sites in more rural areas. Left behind are an increasing number of abandoned and under-used industrial sites, many of which are contaminated with hazardous substances.

OBJECTIVES

The main focus of the WCMC Pilot is to develop a regional approach to facilitating redevelopment of brownfields for which WCMC is responsible, and thereby help mayors and economic development officials understand and overcome the concerns of prospective developers and neighboring communities. The concerns which need to be addressed include potential liability, site investigation costs, cleanup costs, and lack of available financing. The WCMC and its related economic development agency

PILOT SNAPSHOT



Cook County, Illinois

Date of Award:
September 1995

Amount: \$200,000

Site Profile: The Pilot targets two privately-owned and two publicly-owned brownfields within the 200-square mile WCMC in suburban Cook County.

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hope to stimulate private investment and the creation of jobs; revitalize the industrial and commercial sectors; and strengthen the local tax base.

ACCOMPLISHMENTS AND ACTIVITIES

The Pilot has:

- Created a "Rapid Response Team," comprised of experts in legal and environmental issues, real estate, community involvement and regulatory requirements, to provide timely expertise and guidance to property owners, developers, real estate brokers, communities, and municipal officials on brownfields redevelopment;
- Initiated the site selection process. The WCMC is receiving and reviewing applications from local municipalities and private property owners;
- Developed a portable display to keep the general public up-to-date on the process of brownfields remediation. This six panel, multi-color display is designed to be exhibited in village halls, libraries, and at civic events. The Villages of Stickney and LaGrange have hosted the display; and
- Developed an outreach program targeting municipalities, businesses, civic groups, and community groups.

The Pilot is:

- Supporting the redevelopment of at least two privately-owned and two publicly-owned brownfields, which will include identifying candidate sites, performing site assessments, and determining cleanup cost estimates and standards targeted at likely future land use;
- Establishing a Brownfields Prevention Program to identify ongoing industrial activities that pose a risk of creating new brownfields and to develop a strategy for strengthening community-municipal-industry partnerships to encourage environmentally sound community development; and

- Investigating alternative financing mechanisms to fund cleanup and redevelopment of brownfields sites - specifically, alternative sources of public sector financing to identify the methods which hold promise for future site cleanups, including Community Development Block Grant Program, Empowerment Zones and Tax Increment Financing.

LEVERAGING OTHER ACTIVITIES

Experience with the West Central Municipal Conference Pilot has been a catalyst for related activities including the following.

- Discussions with area lending institutions to develop a revolving loan pool are currently in the preliminary stages. Funds would be made available for the remediation and redevelopment of brownfield properties.
- In June 1996, the Illinois Environmental Protection Agency (IEPA) offered the use of their Redevelopment Assessment program, at no cost, to perform abbreviated Phase I and II environmental assessments. EPA Region 5 used their Mobile Laboratory to conduct limited surface soil analysis to determine possible environmental problems.
- The Department of Commerce outlined a number of grants that municipalities can use for the cleanup of brownfield properties. Through the Economic Development Administration's Technical Assistance Program, funds are available for inventorying potential sites, market analysis, and Phase I Assessments.
- A meeting took place between the Illinois Development Finance Authority, members of the West Cook Community Development Corporation, and the Rockford Council of 100 to learn about funding a project underway in Rockford. Currently the West Cook Community Development Corporation's Finance Committee is reviewing the Rockford plan.
- Participated in the Triton Community College National Community Education Day. The WCMC made its outreach materials available to over a hundred community leaders, public officials, and concerned residents attending the conference.

FACT SHEET**Clean Air/Brownfields Partnership Pilot**

The Clean Air/Brownfields Partnership Pilot will demonstrate the effectiveness of innovative strategies designed to enhance both air quality and economic vitality in Baltimore, MD; Chicago, IL; and Dallas, TX. The project consists of several components:

NEEDS ASSESSMENT

- Research and identify tools which cities are currently using to encourage redevelopment and comply with the requirements of the Clean Air Act.
- Determine what Clean Air Act incentives and incentive structures would be most useful in encouraging redevelopment in the cities.
- Provide funds to the U.S. Conference of Mayors to work with the pilot areas to research and develop innovative tools to assist them in attaining compliance with the Clean Air Act while engaging in ambitious economic redevelopment programs.

TOOL DEVELOPMENT

- Quantify the air quality benefits of locating development on brownfield sites within the city as opposed to greenfield sites in the surrounding areas. Allow areas to take credit for this urban redevelopment under the Clean Air Act.
- Evaluate the possible impacts of new source review (NSR) requirements on brownfields redevelopment; analyze potential solutions to these concerns such as educational materials and emissions offset pools; explore ways to improve applications so that permit reviews run more smoothly.
- Research the potential of giving credit for system-wide emission reductions when clean utilities locate in the city.

APPLICATION

- Cooperate with the pilot cities to develop an air attainment plan that satisfies EPA's Clean Air Act requirements while meeting the restoration and reuse needs of the city, with a sensitivity to environmental justice concerns. The city-specific plans will be collections of tools that can be selectively used by other cities in redeveloping their brownfields sites within the requirements of the Clean Air Act.
- Develop protocols to transmit tools to other cities.

This pilot project is the result of concerns raised by the U.S. Conference of Mayors (USCM) on how the Clean Air Act and the Brownfields Initiative work together. The federal partners (EPA's Office of Air and Radiation; Office of Solid Waste and Emergency Response; Office of Policy, Planning, and Evaluation; Regional Offices; and the Department of Commerce's Economic Development Administration), worked closely with the USCM and the selected cities to develop the concept for this project. Additional partners are joining the project, including the International City/County Management Association (ICMA), the National Association of Local Government Environmental Professionals (NALGEP), and the involved States. A focus group will be established through the U.S. Conference of Mayors to monitor the progress of the pilots, provide information and feedback where appropriate, serve as a check to ensure that the results will be transferrable to other cities, and generate awareness of the project across the nation.

CHICAGO BROWNFIELDS INITIATIVE

DEFINITION & PURPOSE

Chicago's Brownfields Initiative links environmental cleanup and economic development by cleaning up and redeveloping sites, and by improving policies to promote private development. Brownfields are abandoned industrial properties where real or suspected contamination hinders redevelopment.

KEY DATES

- 1993: Chicago Mayor Richard M. Daley forms an interdepartmental task force on brownfields. Daley proposes tax incentives for brownfields cleanup.
- 1994: Mayor Daley allocates \$2 million for a pilot site program. City selects five sites.
- 1995: The City and the MacArthur Foundation sponsor six-month Brownfields Forum. 150 business representatives, regulators and activists identify brownfields barriers and make 65 action recommendations. Scott Peterson Meats Company invests \$5.2 million in an expansion and hires 100 new workers after the City cleans up an adjacent site.
- 1996: State of Illinois adopts risk-based, site-specific standards for brownfields cleanup. City's new policy on groundwater wells supports these standards, encouraging more private cleanup. HUD approves \$54 million loan guarantee for Chicago brownfields. Chicago will assemble and clean up four large, complex sites as urban industrial parks.
- 1997: In the first federal-local project of its kind, Chicago begins administering a Supplemental Environmental Project on behalf of the US EPA and Department of Justice. Chicago receives a US EPA Regional Pilot grant for community participation and an evaluation of progress from the Chicago Brownfields Forum.
- 1998: Chicago is named a Brownfields Showcase Community, a federal-local partnership valued at \$2.4 million.

POLICY INITIATIVES

Tax Incentives: Cook County, Illinois and the US Treasury all offer brownfields incentives.

Site control: Illinois cities now can clean up abandoned unsafe property and impose a lien for cleanup costs. The fair market value of condemned property in Illinois may be reduced to account for cleanup costs.

Cleanup: Illinois has adopted risk-based, site-specific standards through its voluntary cleanup program. Chicago helps by prohibiting the installation of new potable groundwater wells. Illinois municipalities can get state grants for site investigation and cleanup plans.

National Policy: With the US Conference of Mayors and the National Association of Local Government Environmental Professionals, Chicago's experience is influencing the federal outlook on brownfields.

New Initiatives Related to Brownfields

Chicago's Brownfields Redevelopment Initiative is undertaking several innovative projects involving sustainable development, energy conservation, air quality and former service stations.

The Lake Calumet Area Brownfield-Ecological Restoration Project

With funding from the Illinois-Indiana Sea Grant Program, the Department of Environment (DOE) has launched a pilot project in the Lake Calumet area that combines brownfield redevelopment and ecological restoration. This sustainable development project embraces two key assets in the Lake Calumet area: the region's industrial potential and its natural resources. Following an intensive evaluation of properties in the Lake Calumet area, three sites have been selected for in depth feasibility analysis. This project combines the expertise of the DOE's Brownfields and Natural Resources Divisions and will continue over the next few years.

"Brownfields to Brightfields" Solar Energy and Brownfield Redevelopment

Working with the federal Department of Energy, the City of Chicago is evaluating opportunities to bring the most technologically advanced and cost-effective solar technologies into the design of the industrial facilities that will be built on brownfield sites. This approach will serve as an environmental and economic incentive to bring clean and renewable power to select brownfield sites. As site specific projects are implemented, the City will encourage a broader application of renewable energies at other sites.

The Clean Air Initiative

The Department of Environment has initiated a series of activities to address the economic impacts of new clean air regulations on the Chicago area. Coordinated efforts at the regional, state, and federal levels have begun. The goal is to develop new strategies that promote, rather than inhibit, economic development in this region while achieving compliance with federal air quality standards. DOE has initiated these activities on a local, regional and federal level.

The Abandoned Service Station Management Program

The term "brownfield" often brings an image of a large, former industrial site to mind. In many communities, however, brownfields exist on a much smaller scale in the form of old corner service stations that have been abandoned. These sites often do not get redeveloped due to environmental concerns and can contribute to urban blight by falling into decay, attracting illicit activities and affording a host of other public nuisances. In recognition of the need to proactively address these sites, DOE has implemented the Abandoned Service Station Management Program to clean-up and secure the sites with the intent of seeking redevelopment opportunities.

Chicago Brownfields Redevelopment Initiative Success Stories (Continued...)

14th & Union

The City tested this site, formerly used for drying catch basin liquids. Additional cleanup was not necessary and the City received a No Further Remediation letter. The site will be part of the University of Illinois' expansion.

Adjustable Clamp

This site was an immediate health and safety threat. USEPA undertook an emergency clean-up and attached a lien to the property. After a subsequent fire, the City performed a demolition of the remaining structures on site and placed a lien on the property. A third party negotiated with USEPA to acquire USEPA's lien interest. The City then received deed to the property in lieu of foreclosing its lien, allowing the City to sell the site to an interested party (Adjustable Clamp) for redevelopment. Adjustable Clamp built a new 51,000 square foot facility and created approximately 50 jobs.

Chicago Building Structures

This site was once abandoned and is located in the West Pullman Business Park. The City acquired the property through the Tax Reactivation Program and now leases the building on the property to Chicago Building Structures (CBS), a producer of manufactured houses. The City intends to clean the surface debris off the remaining property, and sell the site to CBS. This will allow CBS to expand its operations, create 200-300 new jobs over three years, and establish an anchor in the West Pullman Business Park.

Chicago Rolled Metal Products

This former concrete factory was abandoned and tax delinquent. Chicago Rolled Metal Products acquired the land through the Tax Reactivation Program. With City assistance, an environmental investigation was performed and 60 drums were removed from the site. The company plans a \$2 million expansion of its existing company.

Wheatland Tube

With the help of the City of Chicago's Brownfields Program, Empowerment Zone Program, and Emission Reduction Credit (ERC) Bank, Wheatland Tube will expand into an adjacent 350,000 square foot building which was once vacant and a public nuisance due to the presence of asbestos and lead paint. Wheatland Tube will perform the required clean-up. Additionally, because of the restriction on new emission sources in Chicago, Wheatland Tube's expansion would not have been possible but for emissions credits made available to Wheatland Tube from the City's ERC Bank. Wheatland Tube's expansion initiated a \$2 million clean-up and created 50 new jobs in the area.

REGIONAL CLEAN AIR AND REDEVELOPMENT INITIATIVES

Mayor Richard M. Daley and the Chicago Metropolitan Mayors' Caucus, a coalition of mayors from the 269 municipalities in the Chicago metropolitan area, have identified the issue of clean air and economic development as critical for the Chicago region. The mayors strongly support the need for cleaner air, but they are concerned about the fact that some federal and state clean air policies have had unintentional, adverse consequences on the region's other environmental and economic development goals. With the U.S. Environmental Protection Agency's recent adoption of new air quality standards, which are even more stringent than current air standards, this concern has intensified.

To address this complex issue the Region has launched a clean air project comprised of several distinct but interrelated initiatives. The central goal of this effort is to define a clean air strategy for the Chicago metropolitan area that will allow the region to simultaneously achieve better air quality and increased economic development. The region's residents, businesses, and economy will all benefit from a strategy of this nature; it will result in better air quality regulation, cleaner air, and more investment in the region.

Accomplishing the project's goal requires a firm commitment to regional cooperation from a broad range of interests. Local governments must be willing to work jointly to identify new strategies that will effectively improve air quality and promote development, and to create incentives for implementing those strategies. A methodology for quantifying and tracking the benefits of these strategies must be developed, and federal and state regulators must be willing to accept that methodology and incorporate it into the state's plan for achieving compliance with the federal air quality requirements. These new initiatives, two of which are described below in greater detail, are designed to meet these objectives.

Key Participants

Metropolitan Mayors Caucus Clean Air Task Force
 Chicago Department of Environment
 University of Chicago
 International City/County Management Association
 Student interns from graduate programs at Illinois universities
 Technical consultant

Preliminary Schedule

Summer 1998	Work begins on the Economic & Regulatory Analysis and on data collection from the suburbs for the Municipal Clean Air Survey and the Computer Model (development of a Model for the City will occur through the Clean Air/Brownfields Partnership Pilot, discussed below)
September 1999	Work begins on Economic Analysis
October 1998	Work begins on identifying potential new emission reduction strategies
March 1999	Begin collecting emissions data from suburbs for integration into computer model
May 1999	Economic/Regulatory Analysis complete
June 1999	Integrate computer model into local decision-making processes
May 1999	Local Government Resource Book completed

Key Participants

U.S. Environmental Protection Agency
 Office of Air and Radiation
 Office of Solid Waste and Emergency Response
 Office of Policy
 Office of Air Quality and Planning Standards
 Region V
 U.S. Department of Commerce, Economic Development Administration
 Illinois Environmental Protection Agency
 Chicago Department of Environment
 Mayor's Office
 U.S. Conference of Mayors

Preliminary Schedule

September 1998	Kick-off meeting to agree on action plan
September 1998	Conduct Research/Analysis
May 1999	Develop Tools
November 1999	Implement tools, develop attainment plans
March 2000	Develop protocols, transmit tools and lessons to other cities

Mr. OXLEY. The gentleman's time has expired. The gentleman from Maryland, Mr. Ehrlich.

Mr. EHRLICH. I asked my colleague from Pennsylvania, Mr. Greenwood—Jimmy, I will be glad to yield some of my time to you because you are discussing an issue that is important to me, and I think a lot of us here. I, certainly, want you to have your full time because I think the question you asked was very relevant, sir, with respect to these non-NPL sites and sites that have a State plan.

Obviously, I guess this is a philosophical view that you express, in answer to my colleague from Pennsylvania, in the sense that he asked you if it is possible for the Feds to sign off, and you discussed the context of various releases from liabilities, purchaser agreements, status letters, whatever. The fact that it is your view that you can engage in a variety of remedies, but it is your view that you should have the final signoff, the "safety net," I believe is the phrase that you used—and, of course, as you know, it has been asked in various ways; that is the focal point of some of our problems. Because you have PRP's out there who are scared; there is a chilling effect, you know it and I know it.

But, could you further engage this area of questioning? I am just interested in hearing, in the real world, how this plays out and whether there is a regulatory fix or how you can better remedy this particular situation which I know you know exists.

Mr. FIELDS. Right. I think, Congressman, one clear way is to try to deal with the liability issue. We do not believe, however, that liability has prevented brownfields cleanup and redevelopment. A lot is occurring. We see billions of dollars of work going on every year. We see hundreds of sites being cleaned up across the country. We think that what we ought to do—the brownfields bills have been introduced, and Mr. Greenwood has been a real leader in the brownfields agenda, and we support his work on the various bills he has introduced.

We think that what we have for brownfields is a good mechanism for funding. And, Congress has agreed that we should fund assessment grants and revolving loan fund grants, and some bills have proposed that, but we really don't think we need legislative authority for that because the authority is in the current Superfund law to fund brownfields, to fund those activities.

Second, you need liability relief. We think, for brownfields we need liability relief for prospective purchases; we need liability relief for innocent landowners, for contiguous property owners, who had nothing to do with contamination that may be existing at their properties. We believe that we ought to have liability relief for small generators and transporters of municipal solid waste. You know, liability relief like that is kind of—

Mr. EHRLICH. Truly innocent parties.

Mr. FIELDS. Right. We see that as part of the brownfields agenda. The types of revisions that the administration is supporting, as part of targeted legislative reform, are the kinds of things, we believe that will help facilitate brownfields redevelopment.

Mr. Greenwood's bills, that he has introduced—and I have reviewed those—those bills have included provisions along the lines of what the administration is supporting. like the type of targeted liability relief to get certain parties out of the system, so we don't

have to worry about them getting entangled in transactions around brownfields.

Mr. EHRlich. Well, that is a mutually agreeable goal.

I will be glad to yield to my colleague, Mr. Greenwood from Pennsylvania. On the basis of that statement, Mr. Chairman, I look forward to moving the bill out of this subcommittee shortly, but I don't know if Mr. Greenwood would like to follow up on that line of questioning. I will be glad to yield.

Mr. OXLEY. The gentleman from Pennsylvania.

Mr. GREENWOOD. I thank the gentleman for yielding.

I just want to be clear on—Mr. Fields, what is your view, ultimately, on release of Federal liability then? At what point are you prepared to release a site from any Federal liability as a matter of policy?

Mr. FIELDS. As a matter of policy, Mr. Congressman, we believe that the process we have outlined in our November 1996 guidance about voluntary cleanup programs and memorandum of agreements, we believe that by signing a memorandum of agreement, as we have done with 11 States, to date, and with other States under negotiation, that is the best way policywise to send a signal to the regulated community; that is an agreement between the Feds and the States, within this particular State, whereby, we are deferring to that State and are saying that a cleanup is being done by the State of those that we will allow to be the appropriate cleanup for the brownfields and the other contaminated properties in that State. A VCP program, with an agreement signed between the Federal Government and the State, we believe policywise is the best way to effectuate that finality. I assure you, we haven't done it in 18 years; we do not intend now to intervene, when we have an agreement with a State and we are deferring to them for a cleanup.

I have had discussions with personnel in the Pennsylvania Environmental Department about entering into an agreement with Pennsylvania. We want to do so. And, we think that is the best way to assure the degree of finality we need for the regulated community.

Mr. GREENWOOD. I thank the gentleman for yielding. Let me just, if I may, 30 seconds—

Mr. OXLEY. The gentleman's time has expired.

Mr. GREENWOOD. The bottom line here is still, as a matter of policy, this administration doesn't trust the States to—in the final analysis, and that is a philosophical distinction that we have here, and I can't think of any reason why the Governors can't be trusted as well as the administration can't take care of the real estate that is in their own States.

And, I yield back.

Mr. OXLEY. The gentleman yields back. The gentleman from Minnesota, Mr. Luther.

Mr. LUTHER. Thank you, Mr. Chairman.

Nice to see you.

Mr. Fields, I believe that you have indicated some reasons, in some of your prior testimony, as to why you oppose mandatory gubernatorial concurrence. And, I wonder if you could just amplify, or expand, on that and give us your present thinking on that particular issue. Even though, as I understand it, you have concurred with

States on these sites, nevertheless, you have opposed that. Seems to me that there have been some persuasive arguments that have been presented, and I just wonder if you could expand on that?

Mr. FIELDS. We, obviously, over the last 3 years, more than 3 years now, have supported a policy of consulting with States on listings on the NPL. We believe that, for those few sites we do list on the NPL, it should be done in consultation with the State. We believe that the State should be involved in the process when we have made a determination that there are unwilling or incapable parties who are unable to do the cleanup. And, we are all in agreement with that. We do not believe that it is necessary to be mandatory. We believe it should be a flexible process. There may be situations where the State wants us to get involved and we would not want something that precludes that involvement. There are situations sometimes where there may be a severe public health threat, where we may have to get involved even if a State may choose or decide they don't want us to be. There are situations—and we have discovered those—where, in some cases, a State may be a responsible party. So, it will be a conflict of interest for a State, in that instance, to say they do not want a site listed if they are, in fact, a contributing party toward the contamination at that site.

But, in general, our belief is that the current flexible policy process has worked quite well, and there is no need for a legislative construct to mandate a Governor concurrence process in the law.

Mr. OXLEY. The gentleman yields back.

Mr. LUTHER. Thank you. I assume there could also be instances where there would be more than one State involved?

Mr. FIELDS. Yes. That is a good point. There are some sites that the impact—I know one instance where sites impact three States, and we have seen differing views. One Governor of one State may feel that the best approach for dealing with that site is through a Superfund listing, and another Governor may feel that he or she would want to address that site under a voluntary cleanup program. That is why we believe there needs to be a flexible process, a partnership, that has gone on for more than 3 years now between the States and the EPA in deciding how to divvy up and decide on how to address sites within that State.

Mr. OXLEY. The gentleman yields back. The gentleman from Illinois, Mr. Shimkus.

Mr. SHIMKUS. Thank you, Mr. Chairman.

Mr. Fields, could you give me the example of that one site that has three Governors involved and where each of the three Governors may have a different view on that? Can you cite that particular specific—I mean, not now, but can you—

Mr. FIELDS. Right. Sure. I will be happy to provide. I can give you one example. For example—

Mr. SHIMKUS. No, just give it to me in writing and the dates.

Mr. FIELDS. Sure. I can do it. I will be happy to provide it for the record.

[The following was received for the record:]

Leviathon Mine is a site that begins in the State of California, but contamination has spread from the mine areas downstream to impact lands of the Washoe Tribe, whose reservation straddles the California-Nevada border. The State of Nevada may also be appropriate to consult with on this site. The Washoe tribe is extremely supportive of NPL listing, but the State of California, who is a PRP for the site, has

not supported listing in response to a letter requesting their support from EPA Region IX.

Mr. SHIMKUS. Because I believe that the Governors probably could come to some type of agreement.

I am dealing with a site in Quincy, as many of you know, that the municipal landfill was closed in 1978. It was on the "watch list" in 1984, NPL in 1990. The statute of limitations is quickly running out. So, in February of this year, they sent letters to about 165 small businesses, you know, to settle versus the threat of suit to buy the—I get the acronyms all messed up—the PRP's; the Principal Responsible Parties.

So, this whole issue is near and dear, and I have been following it very closely for over 21 years. One settlement is \$150,000, which is the entire total revenue generated, gross, of that company in 1 year. So, it would put many of these businesses out of business just to settle.

EPA Administrator Browner stated to this committee in the past that innocent small-business owners were never meant to be dragged into Superfund liability. In fact, Administrator Browner stated that some kind of small business liability reform could be worked out to relieve innocent small business owners of Superfund liability.

I would like to ask for unanimous consent to submit the attached quotes from Browner, for the record, Mr. Chairman.

Mr. OXLEY. Without objection.

Mr. SHIMKUS. And to the best of your knowledge, Mr. Fields, is it still the position of the Administrator that small businesses, like those in the Quincy area, are in need of relief from Superfund liability?

Mr. FIELDS. Well, we agree that there is a need to provide relief for the particular parties around the Quincy landfill. We have tried, as you know—we apologize for the late notification to your office about that, but we have—

Mr. SHIMKUS. It wasn't late notification to me. It was late notification to the businesses, and they are given 5 weeks to decide if they are going to settle for \$150,000, which wipes out their total annual income.

Mr. FIELDS. And, as you know, it was because of a statute of limitations issue. And, we found out that the seven major responsible parties were going to go after, in litigation, those small parties. We want to try to protect them, and we try to provide litigation protection from the lawsuit by the major parties with these small parties, if we can find a way to enact appropriate liability relief. We believe that the small generator and transporter of the municipal solid-waste issue will address some of these parties—

Mr. SHIMKUS. Let me go on because I don't have a lot of time.

Does it have to be done legislatively or can you do that administratively?

Mr. FIELDS. Well, we can do this administratively. What we are proposing to do at Quincy can be done administratively. However, we are concerned about, as you indicate, the issue of trying to reach agreement on a small business exemption. That is something we did discuss in the last two Congresses. We had difference of opinion as to what the number of employees ought to be, what the

amount of money ought to be—should it be \$3 million, \$2 million? Should it be 50 employees, 100 employees? We were not able to reach an agreement or consensus among a variety of people—

Mr. SHIMKUS. Who is we?

Mr. FIELDS. I mean the House Commerce Committee, the Transportation and Infrastructure Committee—

Mr. SHIMKUS. And the administration?

Mr. FIELDS. [continuing] the Senate Environment Committee. We had a lot of dialog on this issue, and there was not an agreement on how we define a “small business.” What we have tried to offer up and target at the reform are those things we think everybody can quickly agree on.

Mr. SHIMKUS. Let me follow up with this question: Did the administration provide legislative language for a small business exemption in the last two Congresses?

Mr. FIELDS. No. We were specifically requested not to offer legislative language in the last two Congresses. We did—

Mr. SHIMKUS. By who?

Mr. FIELDS. Well, the authorizing committees made clear to us—

Mr. SHIMKUS. By this committee?

Mr. FIELDS. I don't recall. I know the Senate. I don't know if the chairman, specifically—we got that message from—

Mr. SHIMKUS. Let me ask the chairman; he is here. Mr. Chairman, would you accept a request, legislative language, for small business exemption from the administration, if they were to propose some?

Mr. OXLEY. We would hope that they would add that. And, there was never any discussion that I am aware of, to have the administration delete that language.

Mr. FIELDS. Well, we would be happy to have a dialog about that, but we really believe that is going to be something difficult to agree on, just because of our history in the last two Congresses about what the definition of a small business is and who ought to be exempted. We will be happy to work with Congress. During the last Congress, for example, as we had discussions on this topic, we reached an agreement. We began at 25 and we arrived at a number of 50—

Mr. SHIMKUS. Well, I think that is a hurdle that can be overcome; I really do. And, if we want some litigation relief for small business, I think—we can start with any number—that can all be a change. But, I would request the administration engage, if they really believe that small business ought to have some liability protections and we ought to not close down businesses based upon legal dumping 30 years ago.

Mr. OXLEY. The gentleman's time has expired.

Mr. SHIMKUS. I yield back my time.

Mr. FIELDS. Just a quick response, the de minimis settlements policy we have had in place has eliminated a lot of small businesses liability. A lot of those de minimis parties are small businesses. And, second, we need to keep in mind this is something that, you know, is going to require, we believe, some difficulty in arriving at a definition. And, what we are proposing in legislative relief is liability relief for small generators and transporters of mu-

nicipal solid waste. That will get rid of a lot of small businesses liability, by that exemption that we are proposing. It is something that we think everybody, generally, agrees on. That will help small businesses as well.

Mr. OXLEY. The gentleman's time has expired. The Chair would note, just for housekeeping purposes, without objection, Mr. Greenwood's submission also will be placed in the record, with his question, at the appropriate place.

The gentleman from New York.

Mr. ENGEL. Thank you. Thank you, Mr. Chairman.

Mr. Fields, throughout my tenure in Congress I have a high rating from environmental groups, and I pride myself in being an environmentalist. I think what you are hearing from some of my colleagues is frustration on the local level, and I want to just share with you some of the frustration that I have as well—not in terms of brownfields, but in terms of a water filtration plant that is being forced down the throat of my community, despite the fact that we feel there are alternatives, and that local people really know best about what is best for our communities. I don't in any way, shape, or form, denigrate the good work that you or the Department does, and it is work that is needed and work that is necessary.

But, one of the things that you mentioned in your testimony—I was going over the testimony—in the brownfields section, you say that the initiative represents a comprehensive approach to empowering States, local governments, communities, and other stakeholders interested in environmental cleanup and economic redevelopment to work together—and I think that is the keyword—to prevent, assess, safely clean up, and substantially reuse brownfields.

I think what you are hearing from my colleagues is a frustration that, in the working together, it is not working as a partner, but it is, sort of, "Big Brother knows best." The Federal Government knows better than you who are living in the community.

And, I would just like you to comment a little more on that, because I think it is a frustration we share across the aisle. And, it doesn't matter what your political philosophy is. We all represent districts and communities of more than half a million people, and we need to respond to our constituents. And, it is frustrating when you are sort of being knocked over the head and told that, no matter what you do, you don't know best; we know best.

Mr. FIELDS. I appreciate that concern. As Mr. Shimkus talked about the Quincy situation, we recognize how sometimes we may come across as being heavy-handed and sometimes not caring. But, I assure you, the first reform agenda that the Administrator announced when she came onboard in February 1993, she said "I want to do something about this fairness problem in the Superfund, where we need to be going after people who should not be caught in the Superfund liability net." That is why she announced the *de minimis* and *de micromis* settlements initiative—to get small parties, small businesses, and others, out of the Superfund system. We did not want them to be there, and, oftentimes, we do not intend for them to be caught up in Superfund. But, unfortunately, third-party litigation causes these parties to be there.

We want to try to do all we can to get those people who should not be in Superfund out of this system. And we worked over the

last 6 years, through our administrative reforms, to do so. The brownfields initiative, where we are giving grants directly to local governments, as opposed to a passthrough to the States, is one way we have tried to do all we can over the last 6 years to try to reach out to the communities directly, get involved with them, hear their concerns, and come across as a more caring, more fair government to our citizens. It does not always work. We recognize we still have a lot of work to do, but we think we have demonstrated a willingness to deal with local governments, deal with local communities, in a more effective and more useful way.

The Superfund program has given out more than 200 technical assistance grants to local communities over the last 10 years. We have established community advisory groups at more than 40 Superfund sites. These are all things we are doing to try to find ways in which we can reach out to communities, reach out to local governments, and deal with things in a community-based way. We have not always been successful, but, I assure you, it is a major priority for this administration.

Mr. ENGEL. I just want to also use some of your words in the testimony to just kind of make a point the other way. In your conclusion, you wrote that the administration has achieved, in protecting public health, significant progress which must not be undermined by the passage of Superfund legislation based upon outdated information and ideas. And, I would just say that the outdated information idea really cuts both ways. There are some things in law which mandates things, and, again, it's got nothing to do with you, but I want to use it to make a point about the water filtration plant.

We are told that there is a cutoff in 1992 for alternatives to filtration and, once you reach 1992, beyond that, it is too bad; no matter what the community comes up with, there can be no alternatives. And, I just have legislation which says that if a community can come up with reason or new technology as to what can happen as an alternative to filtration, we shouldn't be constrained by an artificial cutoff date in legislation that was passed several years ago, but we should be utilizing new technology. So, I just want to say, when we talk about outdated information ideas, it really cuts both ways.

Mr. OXLEY. The gentleman's time has expired. The gentlelady from New Mexico.

Mrs. WILSON. Thank you, Mr. Chairman. Listening to some of the questions on both sides of the aisle, and the responses, I now understand why we need significant Superfund reform, if we can't achieve some of the things that need to be done administratively. And, it seems to me, there is resistance in doing that, and I am disappointed by that.

I would like to ask you some questions, both specific and general ones. Last October, I asked the EPA about the Atcheson, Topeka, and Santa Fe site that is in my district. On May 12, 1998, EPA gave Chairman Bliley a list of sites that would be affected by fiscal year 1999 funding. And then, 6 days later, it came out with a completely different list which added 111 different sites to that list. When I asked, "Why the difference?", the answer I got was that "the list is a dynamic list which may change;" "there is new infor-

mation about physical site conditions or responsible-party involvement at a site changes.”

I guess I have a couple of questions about that. First, since it seems to change so rapidly, is the Atcheson, Topeka, and Santa Fe site on the list today? What changed in 111 sites in 6 days to justify such a significant change in the site list? And, what are the criteria used to determine how appropriations will be used to prioritize cleanups?

Mr. FIELDS. Well, I don't have a full response on the 111-site list, but I can address the other two parts of your question now.

The Atcheson, Topeka, and Santa Fe site is one that, in hindsight, maybe we should have made another decision on how we proceeded with cleanup. We made a decision to give the responsible party the lead on doing the remedial investigation feasibility study. Sometimes we make a judgment that we want to do that ourselves as a fund-lead action. We made a judgment here to let the PRP take the lead. I am happy to say that it is near completion. They are scheduled to have the remedial investigation report done by April and the feasibility study done by June, and a proposed plan issued by the summer.

It is unfortunate that this has taken almost 3 years. We would have liked for it to have gone faster, but there were delays. We have tried to work with the State of New Mexico and the responsible party. Sometimes we make the wrong judgment. Sometimes we don't allow the responsible party to do it and we go on and do it ourselves. Maybe, in this case, we should have done that and maybe this would have been done faster.

So, we apologize for the amount of time it has taken to do this remedial investigation and feasibility study. It should not have taken this long, and we regret that.

In terms of how we set priorities for cleanup, we do each year rank sites and make decisions as to which ones get dealt with first. We have adopted a risk-based priority system. We rank about 50 sites a year. Based on health risks, based on uses of innovative technology, and other factors, we decide which sites get funded first. We can't always fund every site that is in the cue, but we try to make sure that the sites that have the most significant priority—and that priority is established on a national basis by the representatives of all 10 regions. We then decide which one gets funded first in the cue, and we don't deviate from that priority order in deciding which ones get funded.

That is why, when responsible parties are willing to step forward, we are willing to let them take the lead, if we think they can do a good job, because it allows us to get that job done and not be contingent upon whether or not there is fund money available to establish that priority.

Mrs. WILSON. Thank you, Mr. Fields. I wonder if you could be just real clear and short and specific here. Is the AT&SF site in the fiscal year 1999 funding stream?

Mr. FIELDS. Yes. The work will be completed in fiscal year 1999 for the AT&SF site, I assure you.

Mrs. WILSON. And, do you have any explanation for why it was on one list and not on another list released by the EPA?

Mr. FIELDS. I do not know why it was on the one list and not the other.

Mrs. WILSON. There is a tremendous fear—if I may just finish this question—there is tremendous fear in the community about being put on a Superfund list, because it leads to economic ruin in the neighborhood. You are not going to have economic development at the neighborhood with a Superfund site, and we have seen that in my district. And, we are potentially facing it again.

What can you offer as possible solutions, given at AT&SF we have been waiting 7 years to even get anything started since it was listed as a Superfund site, and we see this economic devastation? What can we do legislatively to change this, so that we can clean up the environment, but we don't destroy people's neighborhoods and livelihoods in the process?

Mr. FIELDS. I think that equation is changing. We have found that Superfund sites are very valuable properties. They are located near rail yards; they are located near waterfronts. We have seen tremendous success stories. I think I may have cited before you came in—we have got 160 cases where major reuse, redevelopment, has occurred on Superfund sites while they are under construction. So, the NPL stigma is not what it used to be, you know, 10, 15 years ago. We are finding major reuse for shopping centers; transportation centers are being created on living, existing, Superfund sites where our construction is underway. So, I don't think that that stigma is there like it used to be. People are investing and reusing many of these Superfund sites.

Mrs. WILSON. Thank you, Mr. Fields. That is not happening in Albuquerque, New Mexico, but I am glad it is helping elsewhere in the United States. Thank you.

Mr. OXLEY. The gentlelady's time has expired. The gentleman from Louisiana, vice chairman of the subcommittee.

Mr. TAUZIN. Feels good to see you again, sir.

Mr. FIELDS. Good to see you, sir.

Mr. TAUZIN. The fact is, I am sure you know that last year we filed a bill to limit the pool of PRP's that the EPA could name in an enforcement action under section 107. I want to thank the chairman, by the way, for incorporating that bill into his larger comprehensive legislation. But, the problem remains that EPA's enforcement under section 107 has, literally, proved to me rather Draconian for many small businesses.

Chairman Bliley talked about that incredible series of lawsuits that flow from it in sort of a pipeline of lawsuits that almost never ends. And, I happen to think it is because of the badly drafted language of section 107. But, I don't blame EPA for the language of the statute. And, I appreciate your response to the chairman in terms of what you are trying to do to ameliorate some of the more serious consequences of that pipeline of litigation. But I want to site you a bunch of quotes.

James Stock, the California Secretary of Environmental Protection, "Superfunds have become a bonanza for lawyers and consultants."

The President of the United States, himself, "We all know it doesn't work, Superfund has been a disaster." The word "disaster" comes up several times in all of these quotes, by the way.

The former chairman of this subcommittee, Mr. Al Swift, “The liability scheme is unfair, litigious, a policy disaster.”

“Disaster” keeps coming up in characterizing this litigious scheme we have created—almost so that I almost think we ought to have a bill to invite the FEMA to come in and rescue the program in some fashion. What strikes me, in looking at what people say about the program, is that even the lawyers are on our side, to some extent. The editorial writers are on our side in wanting to reform the statute.

The New York Times editorial of 1994, February: “It has failed the efficiency test. The \$13 billion spent, one-fourth has gone to what are euphemistically known as transaction costs, fees to lawyers and consultants, many of them former Federal officials who spun through Washington’s revolving door to trade their Superfund expertise for personal gain.”

USA Today puts it even more pedestrian, of course, but USA Today says: “Superfund is absurdly expensive, hideously complex, sometimes patently unfair. As a result, it invites litigation the way dung attracts flies.” That is a pretty awful, but I think somewhat accurate description—so much so that the lawyers, the flies depicted in the editorial, themselves, are revolting.

I quote from a 1997 letter from Robert Evans, Director of Governmental Affairs, American Bar Association, to Sherry Boehlert, one of our colleagues. While massive time-consuming litigations may perhaps provide short-term pecuniary benefits to some in the legal profession, the American Bar Association and the attorneys it represents have no desire to stand by idly and profit from other people’s misery.” That is the lawyers talking.

I mean, so we are down to this: we have got, roughly, 1,400 sites that have been listed on the NPL; the EPA has already instituted enforcement actions on about 200 of them. That leaves you with a potential to begin enforcement action on 1,200 new actions, if you wanted to.

And, in the light of this, it is more likely, is it not, that the current liability scheme is going to continue to foster the endless streams, the pipelines of litigation, that ends up touching human beings so disastrously as it has? I have got testimonies here—we have heard them before—of little people in our society getting crucified on this cross of unjust and unending liability schemes.

It seem to me, Mr. Fields, we are down to the issue: Is it because of the EPA’s enforcement of section 107 or is it the statute? And, if it is not the EPA and it is the statute, why can’t you join us in ending this awful, litigious scheme, the way the President himself said in his first State of the Union to us, “I would like to use Superfund to clean up pollution instead of paying the lawyers.”? Why can’t we just come to that agreement here in this government? Stop putting people through this horrible maelstrom of litigation that ends up robbing people of their energies and their resources, that ought to be better directed in this country, and simply change the statutes so you don’t have to work your way around it, the way you described to the chairman. Can’t you help us do that?

Mr. FIELDS. Can I give one quick response?

Mr. TAUZIN. You’ve got it.

Mr. FIELDS. We recognize those statements, and we recognize that people have those views. I think that some of those people you quoted would not have those same views today, 6 years later, in some cases. We believe that the comprehensive legislative reform agenda is not necessary now. We in the administration, including Carol Browner said, in 1993, that Superfund was something that really needed to be fixed and there were major problems. Carol Browner does not share the same view, 6 years later, that she had in 1993.

Mr. TAUZIN. My time is up. I just want to get a straight answer. Is it the EPA's fault then? If it is the statute, why don't you help us change it? Otherwise, tell me, today, that it is EPA's fault.

Mr. FIELDS. Well, it's not necessary now because of where we are in the program. Half the sites have been cleaned up, construction completed. And, in 5 years, I am telling you—

Mr. TAUZIN. I am talking about the litigation pipeline, not the cleanup.

Mr. FIELDS. But when you have already made the decisions on 90 percent of the sites, and we have already implemented effective reforms that get out the de minimis parties, and we are suggesting to you that we can put in place liability relief for perspective purposes, innocent landowners, contiguous property owners, that is the kind of liability relief we think we really need. The other type of liability relief is not really necessary to implement an effective program that is fair to the American people as well as the parties involved in this program. We really don't believe that.

Six years ago we were at comprehensive legislative reform for several Congresses. Now, at this point of where we are in this program, and seeing the end of the current Superfund program in sight, we no longer believe that comprehensive legislative reform is necessary.

Mr. TAUZIN. And leave all those people hanging out there in all those courtrooms?

Mr. FIELDS. We don't think they are going to be hanging out there.

Mr. OXLEY. The gentleman's time has expired. The gentleman from Oklahoma.

Mr. LARGENT. Thank you, Mr. Chairman.

Welcome, Mr. Fields. It's almost over. I hope you feel better about that. You will sleep well tonight.

I was interested when you made the comment that you have had trouble with the last two Congresses on coming to an understanding on certain definitions like the small business exemption. That doesn't surprise me. We have had trouble coming to an understanding on the definitions like what the word "is" means and things like that. I wanted to see if we could come to some understanding on the definitions on your chart over here: Pace of cleanup is accelerated. Do you recognize that chart?

Mr. FIELDS. Yes, sir.

Mr. LARGENT. I am looking at this and seeing that, from 1996 to 1998, there were—I wrote this down—88 sites cleaned up. From 1997 to 1998, there were 87 sites cleaned up. And, then you are projecting, from 1998 to 1999, that there will be 85 cleaned up. So, we went from 88 to 87 to 85, and I am just wondering if we can

come to some agreement on the definition of "pace" and "accelerated." Because, to me, that seems like that number is going down, and not up, and that would not be an acceleration in the way I would define acceleration. How do you define acceleration?

Mr. FIELDS. When I define acceleration, I mean an increase in the pace; something is moving faster. And, what I was referring to, as you look at the prior 3 years, prior to the 3 years you just referred to, we were doing an average of 65 construction-completions a year, and now we are doing an average of 85. Our budget target, the budget we submit to Congress, provides for the payment of 85 construction-completions a year with a \$1.5 billion budget. The fact that we achieved 88 in 1987, what that meant was we did more than we were budgeted to do in those particular years, but, actually, our budget provides for 85. That is a great achievement, I believe. You have a third greater number of cleanups that are going on now for these 3 years than we had in the prior 3 years. I think that is an acceleration of the pace of cleanup.

Mr. LARGENT. Mr. Fields, have you ever heard the term, "What have you done for me lately?"

Mr. FIELDS. Yes, I have heard that term.

Mr. LARGENT. I heard it a lot, too, in my former life. My question here is really a very simple one. In your view, is the Superfund Program working?

Mr. FIELDS. I think, as someone who has been involved in this program now for 15 years, I believe the Superfund Program is working. I have reports that have been done by various organizations on this program: the Information Network for Superfund Settlements, the Chemical Manufacturers Association. We can provide these reports to this committee for the record, but many parties have documents—the General Accounting Office, in their reports, I think they have done studies of our program probably more than any other organization. I think there are many reports, there are many documents, that point to the fact that progress in this program has improved; things are better than they were five to 6 years ago.

[The information referred to follows:]

STAKEHOLDER COMMENTS ON EPA'S SUPERFUND REFORMS

National Remedy Review Board

- "The new National Remedy Review Board ('the Board') is widely regarded as the flagship among the 20 reforms announced on October 2, 1995."
 - "EPA's Superfund Reforms: A Report on the First Year of Implementation" Superfund Settlements Project, December 1996 (p. 2)

Updating Remedy Decisions

From the Chemical Manufacturers Association's Report, "A Chemical Industry Perspective on EPA's Superfund Administrative Reforms," April 1997:

- "Of the five reforms covered in this report, the updating of previous RODs reform generated the most positive comments, both from PRPs and from EPA (p. 15);"
- "PRPs confirm that some remedies are being updated and that additional petitions to update remedies are pending (p. 15);"
- "In sum, this reform has produced the greatest tangible benefits of any of EPA's Superfund administrative reforms (p. 18);"

Community Participation in Designing Risk Assessments

From the Chemical Manufacturers Association's Report, "A Chemical Industry Perspective on EPA's Superfund Administrative Reforms," April 1997:

- "This [PRPs performing risk assessments] is a welcome development: EPA has over the years changed its mind about whether PRPs may perform risk assessments (p. 23)."

Standardizing Risk Assessments

Generally, the stakeholders thought the forums [convened by the International City/County Management Association] were a useful first step in initiating dialogue about the Reform. They especially liked the breakout sessions where they could talk in small groups about Superfund risk assessment issues.

- "I was impressed that people from very diverse perspectives / affiliations could come together in small groups and leave behind their preconceived notions and positions to constructively discuss problems and reach solutions."

--DC forum attendee from a non-profit organization

Improving the Administration of PRP Oversight

In May 1997, the national EPA workgroup hosted a meeting with industry representatives to discuss opportunities to control costs. EPA Regions 1, 2, 3, and 5 have hosted similar meetings.

- "We [industry] like the idea of meeting and discussing oversight expectations with EPA. Receiving cost information and getting bills on time also helps us plan and budget our oversight expenses. We'd like to get a sense of the baseline value of oversight costs against which to compare oversight costs at our own sites."

- Rachel Deming, Remediation Counsel, Ciba Specialty Chemicals Corporation

Improving Communication with Superfund Stakeholders (Superfund Website)

- "The revamped site provides an impressive quantity of data and links that ought to satisfy most environmental law junkies' craving for Superfund knowledge. Although the information available is comprehensive enough to make the site useful to environmental professionals, it is presented in a way that is understandable to the layman."

– "EPA Refreshes Superfund Website." *Envirobiz*, April 3, 1997

Community Advisory Groups

- David Hall, Emergency Management Coordinator for the City of Texarkana, was very supportive of CAGs at the Local Government Relocation Forum held on April 18, 1997. He commented that CAGs are "the best thing since homemade bread."
- According to Mr. Schrader, Co-Chair of the Brio Refining site CAG, the CAG has been successful because "dedicated people from the community have been willing to work hard over a long period of time to get our positions taken into account."
- Catherine O'Brien, a CAG member from the Brio Refining site in Harris County, Texas, stated that prior to the CAG, "the community could talk to EPA in public meetings, but that wasn't very productive: The PRPs could meet with EPA anytime, because they worked on the site issues all day; the community couldn't, because we have other jobs to do. The CAG has leveled the playing field." She also said she believes the CAG concept is "the best way to resolve issues at Superfund sites, because everyone talks and listens to each other."

- Mr. White, Carolawn Inc., Community Advisory Board Chairman stated, "Regardless of how the decision is made, residents now feel they have had some input."

- "The Dutch Boy Site Community Advisory Group has been an effective way of getting everyone with an interest in site decisions to talk to each other. Now, the two homeowners associations work together closely—not only on site-related issues, but on other common concerns. The flow of information between the local, state, and federal government and community residents has improved as well."

– Co-chairs John Chenier and Tony Davenport, Dutch Boy Site Community Advisory Group, Chicago, IL

- At the Orongo-Duenweg Mining Belt in Missouri, the formation of a CAG in 1995 gave community members a voice in dealing with their concerns about EPA's plans for site cleanup, including the impact these plans could have on real estate values and citizens' health. The group helped establish a working relationship between the community and EPA by opening up the lines of communication. This improved communication helped EPA explain its site remedy choice to concerned community members. In fact, the community came to agree with EPA's proposal to implement an innovative cleanup technology, which promises to increase the pace of the cleanup and save money.

"Established communications forums where complex issues can be discussed in detail, enable people to begin to understand site issues on a deeper level and help them to not react from fear." – David Mosby, CAG Member

- Co-founder Beth Robinson and Chairperson Pat Simpson of the Geneva City Dump/True Temper Sports Sites Community Advisory Group in Geneva, Ohio, said that the Community Advisory Group has strongly impacted the cleanup of the True Temper Sports site. They cited the CAG's success in expanding the scope of the original cleanup plan to include removal of contaminated sludge from a lagoon. They also said that EPA listened

and responded to community concerns by doubling the size of the cleanup and incorporating citizen comments into the work plan.

“Our Community Advisory Group has had an excellent, non-adversarial relationship with EPA from the beginning of the process. They said the community trusted EPA more as a result of the formation and operation of the Community Advisory Group.”

– Co-founder Beth Robinson and Chairperson Pat Simpson, Geneva City Dump/True Temper Sports Sites Community Advisory Group, Geneva, OH

- According to Chairman Ed Lorenz of the Pine River Task Force (Velsicol Chemical Site) in St. Louis, MI, information in the *Community Advisory Group Toolkit* prompted the group to focus on environmental justice issues. The task force has done extensive outreach to local citizens, and a nearby Indian reservation now has an active member on the group. The task force has also reached out to seasonal migrant workers. This outreach has resulted in more diverse input to the cleanup process.
 - “The partnership was successful in developing practical remedies that conserved financial and natural resources, reflected input from the public, and relied on coordination among regulatory agencies.”
- Tony Able, EPA Region 4 Remedial Project Manager regarding EPA, DOE, TDEC cooperation for Lower East Fork Poplar Creek Oak Ridge site, TN

Technical Assistance Grants

TAGs have enabled communities to better understand and therefore comment on Superfund activities. For example, the Concerned Citizens Coalition (CCC) of the Vertac site in Arkansas was awarded a TAG in 1996. According to a CCC member, the community was better able to understand EPA's technical decisions and actions with the help of the Technical Advisor provided by TAG funding.

- Community members thought EPA had been successful at making site information available to them, providing them with the opportunity to comment on technical documents, considering their input, and providing them with an opportunity to communicate with PRPs. By the end of the process, the PRPs had a better appreciation of the views of other stakeholders.
- From participants at the Pine Street Barge Canal, Vermont Pilot

Enforcement

A letter dated September 21, 1998, from Waste Management Inc., on behalf of Oil and Solvent Process Company regarding the Hansen Container site in Denver, CO, shows the success of several enforcement administrative reforms (e.g., Orphan Share Compensation, Expedited Settlement Pilots, and Alternative Dispute Resolution). Excerpts are listed below:

- “The United States Environmental Protection Agency (EPA) Region 8 is to be commended for its innovative approach in these consent decrees which resulted in settlements quicker and with fewer transaction costs than probably would have been possible if the Agency had followed more conventional methods.”
- “Through the use of alternative dispute resolution EPA accomplished this feat in a very cost-effective fashion.”
- “Even without the need to be part of EPA's pilot allocation projects, the Region was willing to consider a fundamentally different approach to allocation at the Site. We

applaud the Region's use of a third-party neutral and senior agency officials to overcome obstacles to settlement."

- "The proposed Hansen Container settlements demonstrate a very substantial commitment by Region VIII to aggressively execute the Superfund Reforms in connection with this site and to take other initiatives which promote early settlement, reduce costs, and foster cooperation among the stakeholders."

Removing Liability Barriers

- "EPA's reforms respond to many of the fundamental concerns of those considering the acquisition or financing of environmentally impaired real property. As a result, these reforms are increasingly facilitating the recycling of our nation's brownfields, thereby advancing both economic and environmental policy objectives."

- Roger Platt, National Realty Committee

- "EPA has demonstrated a steadfast commitment to reducing the anxiety of real estate investors interested in properties where contamination, or the threat of contamination, is present. Through a concerted series of EPA Superfund Administrative Reforms and associated Clinton Administration policy initiatives, a remarkable number of previously abandoned or underutilized properties are now being returned to productive use."

- Lawrence Jacobson, Director, Commercial Real Estate Finance Mortgage Bankers Association of America

Mr. LARGENT. What is the average length of time it has taken to clean up these sites?

Mr. FIELDS. The average length of time now, at the current time, Congressman, is 8 years on the average.

Mr. LARGENT. I am talking about the sites that were cleaned up in 1996, 1997, and 1998.

Mr. FIELDS. That is 8 years. An average of 8 years.

Mr. LARGENT. And is that number going down or is it increasing?

Mr. FIELDS. The number has gone down. It used to be, on the average, in 1991, 1992, 10 years from the time a site was listed on the NPL until construction was complete. We have now reduced that by 20 percent down to 8 years. That is one of the reasons we are now able to do 85 sites a year as compared to 65 sites a year, you know, more than 3 years ago.

Mr. LARGENT. And, so, is it the administration's view, and your view, Mr. Fields, that we should re-authorize the taxes for the Superfund without any reforms to the Superfund Program?

Mr. FIELDS. We believe that Congress should reinstate the taxes for the Superfund to allow there to be a balance in the trust fund, but that we no longer need comprehensive, broad-scale legislative reform, but we only need targeted liability relief for certain parties. That is our conclusion now, because we believe the reform agenda will allow us to continue to do 85 sites a year for the next 5 years, funded at today's budget level, for the Superfund program. We don't need comprehensive legislative reform to continue cleanup, at the pace we are doing it, and to provide for liability relief and to provide for more fairness to parties affected by the Superfund program.

Mr. LARGENT. Thank you, Mr. Fields.

Mr. OXLEY. The gentleman's time has expired. The gentleman from New York, Mr. Fossella.

Mr. FOSSELLA. Thank you, Mr. Chairman.

Mr. Chairman, I want to place into the record and show Mr. Fields several items.

Mr. OXLEY. Without objection

[The information referred to follows:]

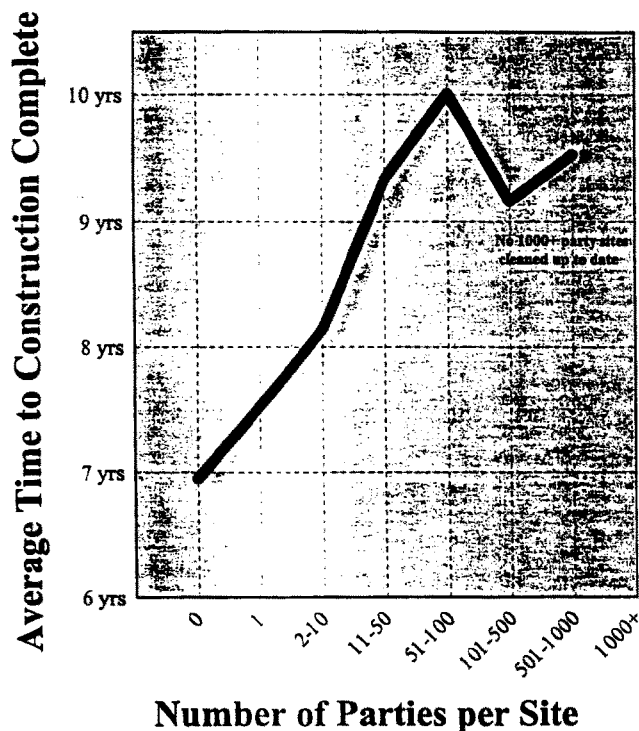
SUPERFUND LITIGATION DELAYS CLEANUPS

- “On a site by site basis, it is clear that liability negotiations consume a lot of time and delay completion of the site.”—*EPA Inspector General in testimony before House Subcommittee on Government Reform and Oversight, May 1996.*
- “For nonfederal sites, the time required to complete cleanups increased from 2.4 years in 1986 to 10.6 years in 1996 . . . EPA officials also said that the effort to find the parties . . . and to reach cleanup settlements with them can increase cleanup times.”—*Government Accounting Office Report, Superfund, Times to Complete the Assessment and Cleanup of Hazardous Waste Sites, March 1997.*
- “One of the most significant delays that occurs in the Superfund process is the allocation of liability among responsible parties.”—*Statement of Carol Browner, Administrator, U.S. EPA, before a hearing of the Subcommittee on Transportation and Hazardous Materials on May 13, 1993.*
- “I think we all agree that the transaction cost portion is one due very serious evaluation and consideration. Again, I do not think we could have predicted 12 years ago that the result of the law would be that responsible parties suing responsible parties—insurance companies, I mean, the level of legal actions that would take place. We need to do something to address it.”—*Statement of Carol Browner, Administrator, U.S. EPA, before a hearing of the Subcommittee on Transportation and Hazardous Materials on May 13, 1993.*
- “Superfund has been a bonanza for lawyers and consultants . . . After over a decade of delay, cleanup is only now beginning at the McColl site in Fullerton . . . cleanup was continually put off as various defendants wrangled in court over how much they would pay.”—*James M. Strock, California Secretary for Environmental Protection, 1994.*
- “Hastings . . . has already spent roughly \$1.1 million under Superfund, yet the cleanup is far from completed. More than 90 percent of the money has been spent on consultants and legal fees.”—*Governor Ben Nelson, Nebraska Journal, March 1, 1996.*
- “While massive, time-consuming litigation may perhaps provide short-term pecuniary benefits to some in the legal profession, the American Bar Association and the attorneys it represents have no desire to stand by idly and profit from other people's misery.”—*May 21, 1997 letter from Robert D. Evans, Director of Governmental Affairs, American Bar Association to Rep. Sherwood Boehlert.*
- “Each of us has heard concerns from our constituents that the pace of cleanup is too slow; that more money is being spent on litigation than on cleanup activities; that citizens are not properly involved in cleanup decisions; and that program costs are unnecessarily high.”—*Letter from Senators Robert Byrd and John Rockefeller to Senator John Chafee, Chairman, Senate Environment and Public Works Committee, dated June 25, 1997.*
- “One site in particular has escaped the effectiveness of CERCLA simply because there are 18 or more PRPs and CERCLA clearly provides the right to litigate. The litigation is not aimed at the regulatory agencies but instead at the PRPs themselves.
With over 20 million dollars spent on characterizing Fields Brook at least half has been devoted to suing non-participating PRPs by participating PRPs; PRPs against other PRPs to determine who put how much into the Brook; Who's material was more toxic and should they pay more than less toxic polluters: litigation against insurance companies to pay for the disposed materials of PRPs they insured and on and on.”—*Statement of Leonard E. Eames, Owner Operator, Fish City Marina, Ashtabula, Ohio before a Hearing of the Subcommittee on Finance and Hazardous Materials, February 14, 1997.*
- “The uncertainties, disagreements, and litigation produced by these aspects of joint and several liability have imposed delay, profound resentment, and high transaction costs on the basic process of achieving cleanups . . . [t]he basic mechanism for funding Superfund cleanups is fundamentally unfair and extremely inefficient. This problem cannot be solved by EPA's administrative re-

forms . . .”—*Statement of Michael W. Stienberg, on behalf of the Superfund Settlements Project in a Hearing before the Subcommittee on Water Resources and Environment, April 10, 1997.*

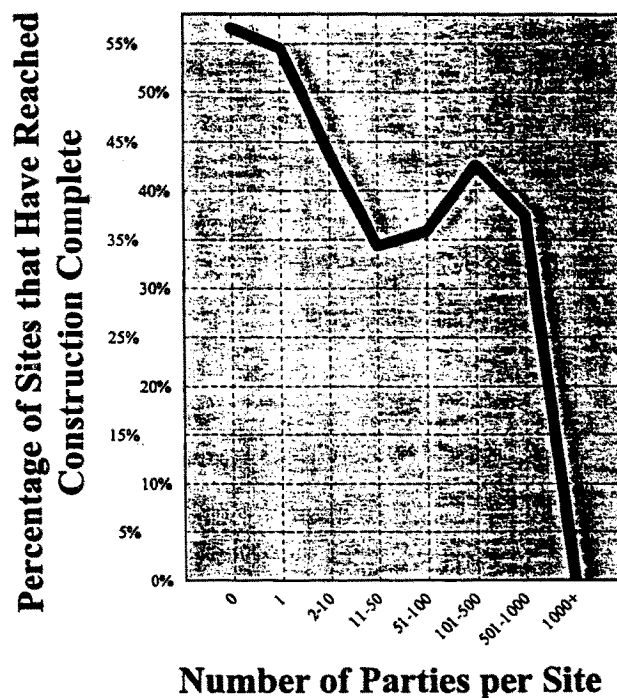
- “Now, almost 15 years later, the matter is about to be fully and finally settled. In the interim, EPA spent approximately \$1,300,000 investigating the site. Additionally, our company spent almost \$500,000 in attorney’s fees and consulting fees over the period. And for what? The actual cleanup of the site, which EPA ordered and oversaw, cost approximately \$38,000 . . . It took over 15 years and cost our company nearly \$2 million in professional fees, lost profits, and environmental studies, all for the sake of a \$38,000, 2-day cleanup, which resulted in three truck-loads of nonhazardous dirt being trucked to Oklahoma.”—*Statement of Michael Mallen, Southern Foundary Supply Company, Subcommittee on Water Resources and Environment, June 15, 1995.*

REMEDIATION TAKES LONGER AT SITES WITH MORE PARTIES



* All data taken from EPA's 1993 Regional Project Manager's Survey, the Resources for the Future database, and updated with EPA's FY97 completion reports.

FEWER SITES WITH NUMEROUS PARTIES HAVE BEEN REMEDIATED



* All data taken from EPA's 1995 Regional Project Manager's Survey, the Resources for the Future database, and updated with EPA's FY97 completion reports.

Mr. FOSSELLA. Thank you, Mr. Chairman.

Mr. Fields, the first set is just quotes from numerous parties to the effect that litigation delays cleanups, and the second set of charts that were presented at prior hearings by Mr. David Oward. The charts indicate that sites with numerous parties to litigate and negotiate will take substantially longer to go through the Superfund process than parts where there are fewer parties. The charts graph the percentage of sites that have reached construction-complete versus the number of parties per site.

Did you find that, Mr. Fields?

Mr. FIELDS. Yes, I see it.

Mr. FOSSELLA. And, this data, I understand, is a few years old. Do you agree with the thrust of these charts or what these charts seek to represent?

Mr. FIELDS. You mean the totality of these statements?

Mr. FOSSELLA. Well, first and foremost, are the charts themselves, the number of parties besides—

Mr. FIELDS. Oh, I am sorry. I am looking at your charts. Okay.

Mr. FOSSELLA. [continuing] average time to construction-complete and the numbers of parties per site. The second chart is the percentage of sites that have reached construction-complete relative to the number of parties per site. Are you familiar with these at all?

Mr. FIELDS. Yes. I am looking at these charts now. Yes, I see them. We can't say categorically that the number of parties associated with the site will cause that site to take longer to clean up, but that is why we want to introduce targeted liability relief, to get certain parties out of the Superfund system, so we can then only have to negotiate with those larger parties who are the major contributors to contamination at sites. Those are the parties that we primarily focus on. We don't want to focus on all the de minimis and de maximus parties that are involved in cleanup.

Mr. FOSSELLA. So you agree that, the more parties there are, the longer it is going to take to complete?

Mr. FIELDS. Well, I can't say that that is going to be always the case. I have seen sites where you have a few hundred parties and the site can be cleaned up in less than 8 years. I have seen other sites where we only have two or three parties, and it has taken us 10 years. So, you can't always just say that the number of parties equates to the length of time it is going to take for cleanup.

The best I can say here, Congressman, is we will be happy to review this data. This is the first time I am actually seeing this data today. I would be happy to review it and get back to you in writing with our analysis of this, but I don't know what sites this data represents.

But I have seen it both ways. I have seen a number of sites with large parties get done quickly. I have seen sites where a fewer number of parties take a long time. So, in general, I can't say it is a one-to-one correlation between number of parties and the length of time it takes for cleanup. But, I would be happy to review this data and get back to the subcommittee in writing.

Mr. FOSSELLA. Okay. Thank you.

[The following was received for the record:]

During the March 23, 1999, Representative Fossella presented a graph developed by a Mr. David Alward of National Strategies which asserted that the greater the number of Potentially Responsible Parties (PRPs) at a Superfund site, the longer that site takes to get from final listing on the NPL to site construction completion. Mr. Fossella asserted that in the greater number of PRPs at the site, the more third-party contribution litigation which in turn results in cleanup delays.

In fact, in looking at the sites in the analysis we found that there are a number of sites with large numbers of PRPs, (over 300) where the time to get from final listing to construction completion was 8 years or less. For example, the Cannon Engineering Site in Massachusetts which was completed in just slightly over 8 years had nearly 500 identified PRPs. Similarly, the Union Chemical site in Maine had over 400 PRPs but was completed in less than 8 years.

Conversely, we identified a number of sites in Mr. Award's analysis with relatively few PRPs (5 or less) which took over 16 years to complete. In fact, at the United Nuclear site in New Mexico, only 1 PRP was identified by EPA but it still took over 15 years to get from final listing to construction completion. Similarly, the Stanley Kessler site in Pennsylvania had only 5 identified PRPs but still took over 15 years to complete. We believe that there are numerous factors which affect site cleanup duration, including site complexity, site size, numbers of contaminants, community interest at the site. However, we believe that no single factor consistently influences site duration.

With respect to enforcement delays, this belief is supported by a GAO report issued in September 1994 on the Status, Cost, and Timeliness of Hazardous Waste Site Cleanup (GAO/RCED-94-256) that found that "Cleanup Times Are Similar for Fund- and Responsible Party-Financed Work". In that report, GAO found that "Our analysis of EPA's data shows little difference in the average times taken to complete each of our four phases of cleanup that we measure for both fund- and responsible party-finance cleanup work."

Sites and Associated Durations

EPA ID Number	Site Name	# of PRPs	Duration
Low PRP/High Duration Sites			
PAD014269971	Stanley Kessler	5	15.2 years
NYD980652267	Vestal Water Supply Well 4-2	6	15.1 years
NMD030443303	United Nuclear Corp	1	15.1 years
FLD980727820	Kassauf-Kimmerling Battery Disp	2	15.1 years
NJD980529713	Reich Farms	1	15.1 years
AR000023440	Vertac, Inc	2	15.0 years
High PRP/Low Duration Sites			
MOD000829705	Conservation Chemical	300	1.9 years
KYD980557052	Lee's Lane Landfill	141	4.5 years
WID980610141	Sauk County Landfill	110	5.9 years
WAD980833974	Northwest Transformer	178	7.8 years
MED042143883	Union Chemical Co., Inc	403	8.0 years
ALD031618069	Mowbray Engineering Co	119	8.0 years
MND980704738	Washington County Landfill	750	8.0 years
MAD079510780	Cannon Engineering Corp	478	8.1 years

Mr. FOSSELLA. Let me just read, Mr. Chairman, and for the record, see if you agree or disagree with some of these folks. For example, the Governor of Nebraska, Mr. Ben Nelson, the March 1, 1996 Hastings program he was dealing with in Nebraska has already spent \$1.1 million of the Superfund; yet, the cleanup is far from completed. More than 90 percent of the money has been spent on consultants and legal fees.

Or, Mr. Strock, California Secretary for Environmental Protection, 1994: "Superfund has been a bonanza for lawyers and consultants. After a decade of delay, cleanup is only now beginning at the McCall site in Fullerton. Cleanup was continually put off as various defendants wrangled in court over how much they would pay."

Or, at the top of the page there: "On a site-by-site basis, it is clear that liability and negotiations consume a lot of time and delay completion of the site." That was from the EPA Inspector General in testimony before the House Subcommittee on Government Reform and Oversight in May 1996.

Or, for example, according to the GAO, "Superfund times to complete the assessment and cleanup of hazardous waste sites in March 1997. For non-Federal sites, the time required to complete cleanups increased from 2.4 years in 1986 to 10.6 years in 1996." EPA officials also said that "The effort to find these parties and to

reach cleanup settlements with them could increase cleanup times.”

Does any of this—

Mr. FIELDS. I have heard and I have seen the reports that you are referring to. We strongly disagree with the statements on duration; we do not believe that data. It does not take 10.6 years to clean up a site. And, we stand by our data which shows that the length of time it takes to go through the cleanup process has, in fact, been decreased by 20 percent. So, we do not agree with some of those statements in the reports that you are mentioning.

Mr. OXLEY. The gentleman’s time has expired.

And, Mr. Fields, we appreciate your testimony and your appearance before the subcommittee once again. Thank you very much.

Mr. FIELDS. Thank you, Mr. Chairman.

Mr. OXLEY. The Chair would call our next panel. Mr. Peter F. Guerrero, Director of the Environmental Protection Issues of the GAO, General Accounting Office, and Ms. Claudia Kerbawy, Chair of the Federal Superfund Focus Group, Association of State and Territorial Solid Waste Management Officials.

Thanks to both of you for your appearance.

STATEMENTS OF PETER F. GUERRERO, DIRECTOR, ENVIRONMENTAL PROTECTION ISSUES, GENERAL ACCOUNTING OFFICE; AND CLAUDIA KERBAWY, CHAIR, FEDERAL SUPERFUND FOCUS GROUP, ASSOCIATION OF STATE AND TERRITORIAL SOLID WASTE MANAGEMENT OFFICIALS

Mr. GUERRERO. Mr. Chairman, if I can take the liberty of having two of my colleagues with me?

Mr. OXLEY. Yes, would you identify them, for the record, please?

Mr. GUERRERO. Eileen Lawrence on my right and Jim Donaghy on my left.

Mr. OXLEY. Thank you. Mr. Guerrero. You may proceed.

Mr. GUERRERO. Thank you, Mr. Chairman, for this opportunity to talk about GAO’s work on the Superfund Program. As has been mentioned earlier today, that body of work is quite extensive. My comments today will focus on three issues: the pace of cleanups, program management, and the remaining future workload.

First, to Superfund’s pace. Even though cleanups have taken a long time to accomplish, if the Superfund maintains its current pace, the Superfund Program will complete the construction of cleanup remedies at the great majority of current sites within the next several years. This is largely because few new sites have been added this decade. In fact, 89 percent of Superfund sites entered the program between 1982 and 1990. So, most sites have been in the cleanup process long enough to finally have moved beyond the remedy-selection phase.

In my written statement, there is figure 1, which shows the number of sites listed by year and shows this trend. EPA plans to complete, by the end of this year, selection of remedies for about 95 percent of the non-Federal sites in the program. EPA reports that it has completed the construction of cleanup remedies at 585 sites as of January of this year, and will finish a total of about 1,200 sites by the end of the year 2005. However, groundwater cleanups will continue at some sites for many years beyond that date.

I now would like to turn to my second point, the longstanding management problems of the program. For several years, GAO has included Superfund on its list of Federal programs that pose significant financial risk to the government and the potential for waste and abuse. We included Superfund on the list for three reasons: first, because of the problems with the management of cleanup contractors; second, because of insufficient recovery of cleanup costs from responsible parties; and, third, because there was no assurance that the highest-risk sites were being cleaned up first. EPA has corrected some of these problems, but enough remain that we have not yet been able to remove Superfund from the high-risk list.

For example: we reported that EPA had difficulty controlling the overhead costs of its contractors. To ensure that it had enough contractors to conduct cleanups, EPA initially hired a very large number—more, it turned out, than it needed. Even though it did not have enough cleanup work to keep them all busy, it still had to pay their overhead costs. For example, the cost of maintaining the capacity to respond to work assignments requires office space. Although EPA subsequently cut in half the number of Superfund contractors, our recent work indicates that this reduction may not have been enough, since overhead rates remain high, at about 76 percent, in one particular case.

We have also reported that EPA has not charged responsible parties for certain costs of operating the cleanup program—mainly, indirect program costs such as personnel and facilities. Over the years, EPA has lost the opportunity to recover up to \$3 billion, or about 20 percent of the \$15 billion it has spent on Superfund through fiscal year 1997. Recently, EPA has developed a new way to determine recoverable indirect costs that could increase its recoveries.

The final Superfund issue we discussed in our high-risk series is the absence of a priority system for cleaning up sites, one that is based on risks to human health and the environment. In 1995, EPA created a national panel to help it set funding priorities for the final stages of cleanup. However, EPA doesn't have assurance that sites posing the greatest risks are admitted to the program in the first place. In our discussions with EPA, we found that the agency relies on the States to screen sites for cleanup under Superfund. Because of this reliance on the States, EPA may not be aware of the sites that pose the greatest health and environmental risks. And, because EPA does not usually track the stages of cleanups that take place outside of the Superfund program, EPA does not know if the States are addressing the worst sites.

EPA's cleanup managers have also expressed concerns that the future Superfund sites will not necessarily be the most risky, but, rather, those that the States find to be large, complex, and therefore, costly, or those without responsible parties willing and able to pay for the cleanups.

In addition to our work in the high-risk aspects of the program, we also conducted a detailed analysis of Superfund spending. In summary, we have reported that, while the share of Superfund expenditures that go to cleanup contractors, or the study, design, and implementation of cleanups, increased from fiscal year 1987

through 1996, it declined in 1997 and appears to continue to decline. This trend is in the wrong direction for a program; that, given its maturation, should be focusing more of its resources on actual cleanups and less on program support. Those trends are shown in figure 2 in my prepared written statement.

Finally, Mr. Chairman, I would like to turn to what is perhaps the most vexing issue of all, and that is how to deal with the sites that may still require cleanup. As of the end of fiscal year 1997, there were still some 1,800 sites judged by EPA as to be potentially eligible for Superfund. Many of these sites present risks to human health and the environment. According to EPA and the States, 73 percent have caused contamination of groundwater; another 22 percent could contaminate groundwater in the future. About 32 percent of the sites caused contamination of drinking water, and another 56 could do so in the future. Ninety-six percent are located in the populated areas within a half a mile of residences or places of regular employment. And direct contact with contaminants may occur at 55 percent of the sites. Over all, either EPA or the States say that about a quarter of these sites pose high risks to human health and the environment, and that is shown in figure 3 of the prepared statement.

Although these sites have been around for a long time, 10 years in most cases, many may not be getting attention. We are able to confirm that some cleanup activities have taken place at only about a third of the potentially eligible sites. And, these were activities not described as final cleanups.

There also appears to be no relationship between how long a site has been awaiting an NPL decision and the likelihood that some cleanup has occurred during that time. It is uncertain when and how most of these sites will, ultimately, be cleaned up, as shown by figure 4.

EPA and State officials identify 232 sites that might be placed on the NPL in the future. Officials estimate that a third of the potentially eligible sites are likely to be cleaned up under State programs. However, we were also told by the States that their capability to undertake these cleanups varies. Half of the States express concerns about their financial capacity to clean up potentially eligible sites, and another 20 percent say that their ability to compel responsible parties to clean up sites was fair to very poor.

Our November report recommends that EPA review its inventory of sites to determine which of them need immediate action and which will require long-term cleanup, and, in consultation with the States, develop a timetable for taking these actions. Given the long time that many of these sites have awaited NPL decisions, it is also imperative that EPA notify the public whether it or the States will assume responsibility for the sites, whether cleanups are, indeed, needed, and when the cleanup work can be expected to be done.

In conclusion, Mr. Chairman, despite the long durations of cleanups in the past, Superfund is within sight of completing the construction of cleanup remedies over the next several years. While recognizing this accomplishment, we believe that important management issues remain unsolved. More importantly, EPA and the States need to come to grips with what to do with the potential

NPL sites still waiting final cleanup decisions. The Superfund reauthorization process gives the Congress an opportunity to help guide EPA and the States in allocating responsibility for these sites, and others that may qualify for the program in the future.

Thank you.

[The prepared statement of Peter F. Guerrero follows:]

PREPARED STATEMENT OF PETER F. GUERRERO, DIRECTOR, ENVIRONMENTAL PROTECTION ISSUES, RESOURCES, COMMUNITY, AND ECONOMIC DEVELOPMENT DIVISION, GENERAL ACCOUNTING OFFICE

Mr. Chairman and Members of the Committee: Thank you for the opportunity to discuss the current status and management of the Superfund program and the outlook for the program's future. My comments today are based on a number of reports we have issued in recent years that relate to three specific issues: (1) progress made toward cleaning up sites in the program, (2) continuing management problems, and (3) factors affecting Superfund's future workload. In summary, our work has shown the following:

- In the past, we have called attention to the slow pace of cleanups in the Superfund program. For example, we reported that cleanups completed in 1996 took an average of over 10 years.¹ However, now, 17 years after sites were first placed on the Superfund list, many of the sites have progressed a considerable distance through the cleanup process. Decisions about how to clean up the great majority of these sites have been made, and the construction of cleanup remedies has been completed at over 40 percent of the sites. EPA's goal is to complete the construction of remedies at 1,200 sites by 2005. Work to clean up groundwater will continue at many sites after remedies are constructed.
- Despite the progress that Superfund has made toward site cleanups, certain management problems persist. These problems include the difficulty in controlling contract costs, the failure to recover certain federal cleanup costs from the parties who are responsible for the contaminated sites, and the selection of sites for cleanup without assurance that they are the most dangerous sites to human health and the environment. These problems have caused us to include the program on our list of federal programs vulnerable to waste and abuse. Furthermore, our analysis indicates that the costs of on-site work by cleanup contractors represent less than half of the spending in the program.
- There is considerable uncertainty about the future workload of the Superfund program. Resolving this uncertainty depends largely on deciding how to divide responsibility for the cleanup of sites between EPA and the states. The number of sites that have entered the Superfund program in recent years has decreased as EPA has focused its resources on completing work at existing sites and the states have developed their own programs for cleaning up sites. However, according to EPA and state officials who responded to our survey, a large number of sites in EPA's inventory of potential Superfund sites are contaminating groundwater and drinking water sources and causing other problems and may need cleanup. We have recommended that EPA work with the states to assign responsibility for these sites among themselves. The Superfund reauthorization process gives the Congress an opportunity to help guide EPA and the states in allocating responsibility for addressing these sites.

BACKGROUND

In 1980, the Congress passed the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), creating the Superfund program to clean up highly contaminated hazardous waste sites. CERCLA authorizes EPA to compel the parties responsible for the contaminated sites to clean them up. The law also allows EPA to pay for cleanups and seek reimbursement from the parties. EPA places sites that it determines need long-term cleanup action on its National Priorities List (NPL). As of early 1999, there were 1,264 sites on or proposed for the NPL. Another 182 sites had completed the cleanup process or were determined not to need cleanup and had been deleted from the NPL. Once listed, the sites are further studied for risks, and cleanup remedies are chosen, designed, and constructed. EPA relies extensively on contractors to study site conditions and conduct cleanups.

¹*Superfund: Times to Complete the Assessment and Cleanup of Hazardous Waste Sites* (GAO/RCED-97-20, Mar. 31, 1997).

Cleanup actions fall into two broad categories: removal actions and remedial actions. Removal actions are usually short-term actions designed to stabilize or clean up hazardous sites that pose an immediate threat to human health or the environment. Remedial actions are usually longer term and more costly actions aimed at permanent remedies.

According to a 1998 report by the Environmental Law Institute,² all 50 states have established their own cleanup programs for hazardous waste sites. In addition to handling less dangerous sites, some of the state programs can handle highly contaminated sites, whose risks could qualify them for the Superfund program. Some states initially patterned their cleanup programs after the Superfund program but over the years, in an effort to clean up more sites faster and less expensively, have developed their own approaches to cleaning up sites.

States accomplish cleanups under three types of programs: (1) voluntary cleanup programs that allow parties, who are often interested in increasing sites' economic value, to clean them up without state enforcement actions; (2) brownfields programs that encourage the voluntary cleanup of sites in urban industrial areas to enable their reuse; and (3) enforcement programs that oversee the cleanup of the most serious sites and force uncooperative responsible parties to clean up their sites. States generally use their voluntary and brownfields programs to clean up less complex sites by offering various incentives to responsible parties, such as reduced state oversight. States maintain that these programs accomplish site cleanups quickly and efficiently.

Some states also maintain cleanup funds to pay all or a portion of the costs of cleanups at sites for which responsible parties that are able to pay for full cleanups cannot be found. The states vary greatly in the resources that they have devoted to cleanups. For example, the 1998 Environmental Law Institute study determined that states had cleanup funds totaling \$1.4 billion as of the end of the states' 1997 fiscal year, with 6 states having fund balances of \$50 million or more and 26 states having fund balances of less than \$5 million. The study also reported that states spent a total of \$565 million on their cleanup programs in fiscal year 1997,³ with 2 states spending \$50 million or more and 27 states spending less than \$5 million.

SUPERFUND HAS MADE PROGRESS CLEANING UP SITES

Even though cleanups have taken a long time to accomplish, if it maintains its current pace, the Superfund program will complete the construction of cleanup remedies at the great majority of current NPL sites within the next several years. In our March 1997 report, we said that cleanups completed in 1996 took an average of 10.6 years. Much of the time taken to complete cleanups was spent during the early planning phases of the cleanup process during which cleanup remedies are selected. We said that less time had been spent on actual construction work at sites than on the selection of remedies.

Now, however, most NPL sites have been in the cleanup process for a long time and have moved beyond the remedy selection phase. Last year, we reported that EPA had completed the selection of remedies at about 70 percent of the NPL sites as of the end of fiscal year 1997.⁴ It had plans to complete, by the end of fiscal year 1999, remedies for about 67 percent of the federally owned or operated sites and 95 percent of the nonfederal sites that were listed as of the end of fiscal year 1997. EPA reports that it has completed the construction of cleanup remedies at 585 sites as of January 1999; will complete construction at 85 sites in each of fiscal years 1999 and 2000; and will finish a total of 1,200 sites by 2005. Groundwater cleanups will continue at many of these sites after the completion of remedy construction.

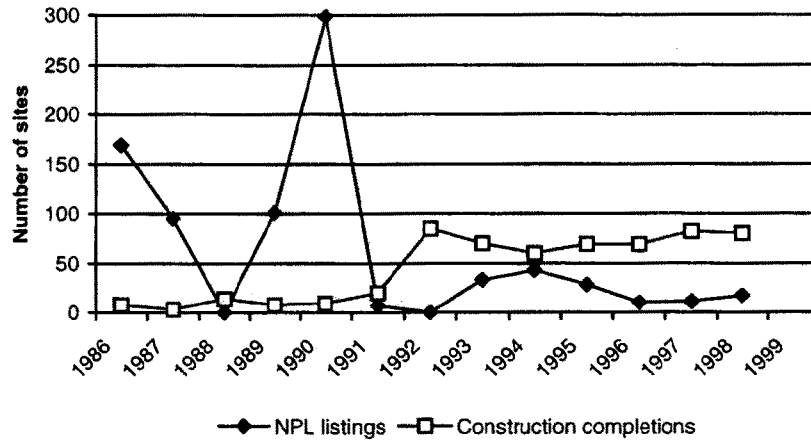
These completion rates reflect EPA's decision to make the completion of construction at existing sites the Superfund program's top priority and to reduce new entries into the program. About 89 percent of the NPL sites were placed on the list between 1982 and 1990. Figure 1 shows the number of sites listed on the NPL and the number of sites where the construction of the cleanup remedy was completed during the years 1986 through 1998.

Figure 1: Numbers of Sites Listed on the NPL and for Which the Construction of Final Cleanup Remedies Were Completed, 1986 Through 1998

²An *Analysis of State Superfund Programs: 50-State Study, 1998 Update*, Environmental Law Institute.

³Six states did not report on their spending.

⁴*Superfund: Information on the Status of Sites* (GAO/RCED-98-241, Aug. 28, 1998).



Source: Compiled by GAO from Environmental Protection Agency data.

Under the Superfund program, in addition to its remedial work, EPA has conducted removals at 595 NPL sites and 2,591 other contaminated sites. Cleanup work has also been conducted at sites where construction of the final cleanup remedy has not yet been completed. At the request of this committee, we are conducting a review to determine the extent of this ongoing cleanup activity.

UNCORRECTED PROBLEMS MAKE SUPERFUND A HIGH-RISK PROGRAM

For several years, GAO has included the Superfund program on its list of federal programs that pose significant financial risk to the government and the potential for waste and abuse. We included Superfund on the list because of (1) problems with the management of cleanup contractors, (2) insufficient recovery of cleanup costs from responsible parties, and (3) the absence of risk-based priorities for site cleanups.⁵ EPA has corrected some of these problems, but enough remain that we have not yet been able to remove Superfund from the high-risk list. I would like to review these problems and EPA's response.

Contract Management

First, we raised concerns about several contracting practices. We said that EPA had a backlog of more than 500 audits of its Superfund contracts. The purpose of these audits is to evaluate the adequacy of contractors' policies, procedures, controls, and performance. The audits are necessary for effective management and are a key tool for deterring and detecting waste and abuse. The agency has now almost eliminated its backlog of contract audits.

We also found that EPA was approving contractors' cleanup cost proposals without estimating what the work should cost. As a result, the agency could not negotiate the best contract price for the government. In response, EPA is now developing its own cost estimates and using them to guide its price negotiations with contractors. However, EPA was still having problems developing accurate estimates in about half the cases we recently reviewed. Furthermore, many of the cost estimators in the EPA regions told us that they lacked the experience and historical data they needed to do a better job at developing these estimates. EPA has requested the U.S. Army Corps of Engineers, an agency with extensive contracting experience, to conduct an assessment of EPA's cost-estimating practices and recommend potential improvements. The assessment is still ongoing and will be completed in mid 1999. Unless EPA ensures that its regions implement and sustain corrective measures resulting from this review, problems can reoccur. EPA has taken similar corrective actions in the past, yet we continue to find problems with estimates.

Lastly, with respect to contracting, we reported that EPA had difficulty controlling the overhead, or program support costs, of its contractors. To ensure that it had enough contractors to conduct cleanups, EPA hired a large number of contractors—more, it turned out, than it actually needed. Even though it did not have enough

⁵High-Risk Series: Superfund Program Management (GAO/HR-93-10, Dec. 1992, GAO/HR-95-12, Feb. 1995, GAO/HR-97-14, Feb. 1997, and GAO/OCG-99-17, Jan. 1999).

cleanup work to keep them all busy, it had to pay their overhead costs (i.e., the costs of their maintaining the capacity to respond to work assignments—such as office space). Although EPA cut in half the number of contractors that it keeps in place, our recent work indicates that this reduction may not have been enough. We found that, for the majority of contracts we reviewed, EPA continues to pay overhead costs ranging from 16 percent to 76 percent of the overall contract's costs, exceeding EPA's 11 percent target. In addition, persistent high overhead costs and uncertainty about the future size of the program raise broader questions about the type and the number of contracts EPA really needs to have in place.

Cost Recovery

Even though CERCLA makes parties who are responsible for contaminated sites liable for cleanup costs, we have repeatedly reported that EPA has not charged responsible parties for certain costs of operating the cleanup program—mainly indirect program costs, such as personnel and facilities. EPA has excluded about \$3 billion—about 20 percent of the \$15 billion it has spent on Superfund through fiscal year 1997—in indirect costs from final settlements with responsible parties. In the early years of the program, EPA took a conservative approach to allocating indirect costs to private parties because it was uncertain which indirect costs the courts would agree were recoverable if parties legally challenged EPA. The agency could lose the opportunity to recover at least a half billion more if it does not soon reverse this practice. Recently, Superfund program officials have developed a new way to determine recoverable indirect costs that could increase EPA's cost recoveries, but the Superfund program has not yet used this new method because it is waiting for approval from EPA and the Justice Department.

Priority Setting

The final Superfund issue that we discussed in our high-risk series is the absence of a system for prioritizing sites for cleanup based on the risk they pose to human health and the environment. EPA has partially corrected this problem. In 1995, it created the National Prioritization Panel to help it set funding priorities for sites at which remedies had been selected and that were ready for cleanup. The panel, which is composed of regional and headquarters cleanup managers, ranks all of the sites ready for cleanup construction nationwide on the basis of the health and environmental risks and other project considerations, such as cost-effectiveness. EPA then approves funding for projects on the basis of these priority rankings.

EPA, however, does not use relative risk as a major criterion when deciding which of the eligible sites to place on the NPL.⁶ In our discussions with EPA managers responsible for assessing sites for Superfund consideration, we found that the agency relies on the states to choose which of the eligible sites to refer to EPA for placement on the NPL. States refer sites after selecting those that they will address through their own enforcement or voluntary cleanup programs. The EPA cleanup managers with whom we talked expect that future sites placed on the NPL will not necessarily be the most risky but, rather, those that the states find to be large, complex, and therefore costly, or those without responsible parties willing and able to pay for the cleanup.

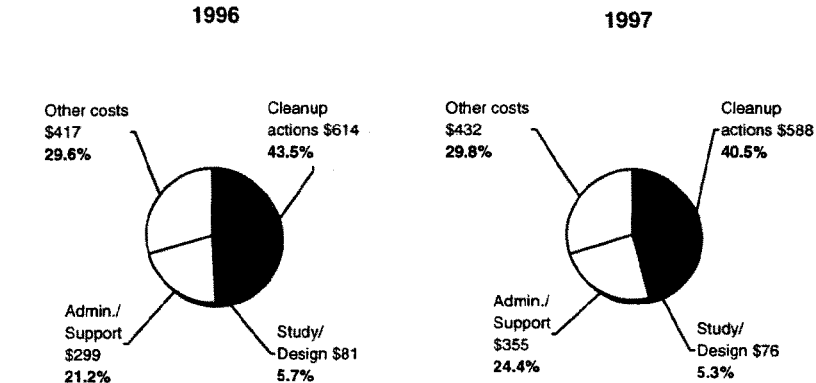
Because EPA does not usually track the status of cleanups that take place outside of the Superfund program, EPA does not know if the worst sites in the nation are being addressed first. Some EPA regions are encouraging their states to voluntarily provide EPA with information on the cleanup status of the sites that the states are addressing and that EPA considers as potentially posing significant risk.

In addition to our work on the high-risk aspects of the Superfund program, we have conducted detailed analyses of spending in the program⁷. In summary, we have reported that the share of Superfund expenditures that go to cleanup contractors for the study, design, and implementation of cleanups increased from fiscal years 1987 through 1996, but declined in fiscal year 1997. We also reported that between fiscal years 1996 and 1997, EPA's Superfund costs for administration and support activities correspondingly increased (see fig. 2). As you know, we are currently conducting additional analysis of the Superfund program's expenditures for this Committee and others. We plan to report on the results of this work in May.

Figure 2: Superfund Spending for Contractor Cleanup Work and Other Program Activities, Fiscal Years 1996-97, Dollars in Millions

⁶A site is eligible for the NPL if it scores sufficiently high on EPA's Hazard Ranking System, which evaluates a site's potential risk to public health and the environment.

⁷*Superfund: Trends in Spending for Site Cleanups* (GAO/RCED-97-211, Sept. 4, 1997) and *Superfund: Analysis of Contractor Cleanup Spending* (GAO/RCED-98-221, Aug. 4, 1998).



Note: "Other costs" includes costs for enforcement activities, research and development/laboratories, and other directly related costs.

Source: *Superfund: Analysis of Contractor Cleanup Spending* (GAO/RCED-98-221, Aug. 4, 1998).

THE FUTURE DIRECTION OF SUPERFUND IS UNCERTAIN

EPA's inventory of potential NPL sites contains sites that have been awaiting a decision for several years or more on whether they should be listed on the NPL. EPA and state officials believe that many of these sites need cleanup work, but the respective cleanup responsibilities of EPA and the states have not been established.

As of the end of fiscal year 1997, EPA's Superfund database indicated that the risks of over 3,000 sites had been judged on the basis of preliminary evaluations to be serious enough to make the sites potentially eligible for the NPL. EPA classified these sites as "awaiting an NPL decision." Information about the nature and the extent of the threat that these sites pose to human health and the environment, the extent of states' or EPA's cleanup actions at the sites, and the states' or EPA's cleanup plans for the sites is important to determining the future size of the Superfund program.

We surveyed EPA regions, other federal agencies, and the states to (1) determine how many of the over 3,000 sites remain potentially eligible for the NPL; (2) identify the characteristics of these sites, including their health and environmental risks; (3) determine the status of any actions to clean up these sites; and (4) collect the opinions of EPA and other federal and state officials on the likely final disposition of these sites, including the number of sites that are expected to be placed on the NPL. We reported the results of our surveys in two November 1998 reports.⁸

On the basis of our surveys, we determined that 1,789 of the 3,036 sites that EPA's database classified as "awaiting an NPL decision" in October 1997 are still potentially eligible for placement on the list.⁹ EPA, other federal agency, and state officials responding to our survey said that many of these sites presented risks to human health and the environment. According to these officials, about 73 percent of the sites have caused contamination in groundwater and another 22 percent could contaminate groundwater in the future; about 32 percent of the sites caused contamination in drinking water sources and another 56 percent could contaminate drinking water sources in the future; 96 percent of the potentially eligible sites are located in populated areas within a half-mile of residences or places of regular em-

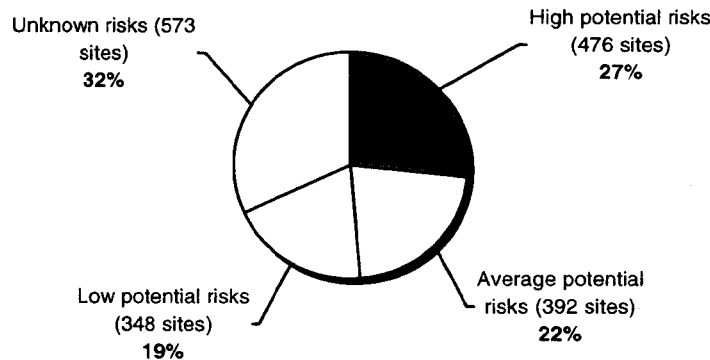
⁸*Hazardous Waste: Unaddressed Risks at Many Potential Superfund Sites* (GAO/RCED-99-8, Nov. 30, 1998), and *Hazardous Waste: Information on Potential Superfund Sites* (GAO/RCED-99-22, Nov. 30, 1998).

⁹We refer to these 1,789 hazardous waste sites as "potentially eligible sites." We consider the 1,234 other sites as unlikely to become eligible for various reasons. For example, some sites were erroneously classified as awaiting an NPL decision or do not meet EPA's criteria for placement on the list. Other sites do not require cleanup in the view of the responding officials, have already been cleaned up, or have final cleanup activities underway. Whether potentially eligible sites are eventually listed depends on, among other things, a final evaluation by EPA and the states' concurrence.

ployment; and workers, visitors, or trespassers may have direct contact with contaminants at about 55 percent of the sites.

We asked officials of EPA, other federal agencies, and states to rank the risks of the potentially eligible sites. These officials collectively said that about 17 percent of the potentially eligible sites currently pose high risks to human health and the environment, and another 10 percent of the sites (for a total of 27 percent) reportedly may also pose high risks in the future if they are not cleaned up (see fig. 3). For about one-third of the sites, the officials said that it was too soon or they needed more information to determine the seriousness of the sites' risks, or they provided no risk characterization.

Figure 3: Number of Potentially Eligible Sites With High, Average, and Low Potential Risks



Source: Hazardous Waste: Unaddressed Risks at Many Potential Superfund Sites (GAO/RCED-99-8, Nov. 30, 1998).

Officials responding to our surveys said that some cleanup activities (which they stated were not final cleanup actions) have taken place at 686 of the potentially eligible sites. These actions were taken at more than half of the sites that were reported to currently or potentially pose high risks, compared to about a third of the sites that have been reported to currently or potentially pose average or low risks. No cleanup activities beyond initial site assessments or investigations have been conducted or no information is available on any such actions at the other 1,103 potentially eligible sites.¹⁰ Many of the potentially eligible sites have been in state and EPA inventories of hazardous sites for extended periods. Seventy-three percent have been in EPA's inventory for more than a decade. No cleanup progress was reported at the majority of the sites that have been known for 10 years or more.

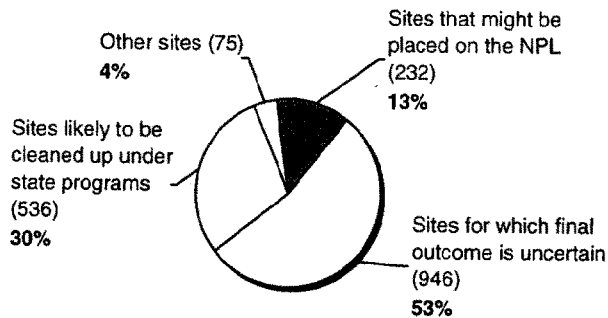
It is uncertain whether most potentially eligible sites will be cleaned up; when cleanup actions, if any, are likely to begin; who will do the cleanup; under what programs these activities will occur; and what the extent of responsible parties' participation will be. We did not receive enough information from our survey to determine what cleanup actions will be taken at more than half of the 1,789 potentially eligible sites and whether EPA or the states will take these actions (see fig. 4). We are making no forecast of the number from the group of 1,789 potentially eligible sites that will be added to the NPL in the future. However, EPA and state officials collectively believed that 232 (13 percent) of the potentially eligible sites might be placed on the NPL in the future.¹¹ Officials estimated that almost one third of the potentially eligible sites are likely to be cleaned up under state programs but usually could not give a date for the start of cleanup activities. State officials stated that, for about two-thirds of the sites likely to be cleaned up under state programs, the extent of responsible parties' participation is uncertain. This is important because officials of about half of the states told us that their state's financial capability to clean up potentially eligible sites, if necessary, is poor or very poor. In addition, officials of

¹⁰ Of the 1,103 sites for which no cleanup actions were reported, both EPA and the states said that they had taken no cleanup actions beyond initial site assessments at 719 of them. For 336 sites, EPA officials alone said that their agency had taken no cleanup actions, but the states provided no information. California, Massachusetts, and New Jersey accounted for about 85 percent of these sites. Similarly, for six sites, the states said that they had taken no action, but EPA provided no information. Neither EPA nor the states provided information on any cleanup actions that may have occurred at the remaining 42 of the 1,103 sites.

¹¹ However, EPA and the states agreed on the listing prospects of only 26 specific sites.

about 20 percent of the states said that their enforcement capacity (including resources and legal authority) to compel responsible parties to clean up potentially eligible sites is fair to very poor.

Figure 4: Estimates of the Likely Final Cleanup Outcome for 1,789 Potentially Eligible Sites



Note: "Other sites" includes sites likely to be cleaned up under other EPA programs (43), sites that either EPA or state programs may clean up (13), and sites that are reportedly unlikely to be cleaned up (19).

Source: *Hazardous Waste: Unaddressed Risks at Many Potential Superfund Sites* (GAO/RCED-99-8, Nov. 30, 1998).

Our November report recommends that EPA review its inventory of potential NPL sites to determine which of them need immediate action and which will require long term cleanup action and, in consultation with the states, develop a timetable for taking these actions.

In conclusion, Mr. Chairman, despite the long durations of cleanups in the past, Superfund is within sight of completing the construction of cleanup remedies at most of the sites on the NPL. While recognizing this accomplishment, we believe that management problems and cost control issues we have reported on for several years remain to be solved. Because few sites have been admitted to the program in recent years, the NPL pipeline is clearing out. On the other hand, there are many sites in EPA's inventory of potential NPL sites that still need attention and possible cleanup, but EPA and the states have postponed decisions, sometimes for up to 10 years or longer, on how to address them.

Over the last two decades, the states have built up the capacity to deal with site cleanups to varying degrees. Some have substantial programs, but others have limited resources and report that their ability to pay for cleanups is poor. Furthermore, not all of the states have adequate enforcement authority to force responsible parties to pay for cleanups. Because states generally now have the lead for screening sites for NPL consideration, future NPL sites may disproportionately represent complex cleanups for which responsible parties cannot be found or are unwilling to ante up the full cost of the cleanup. We have recommended that EPA work with the states to assign responsibility among themselves for these sites. The Superfund reauthorization process gives the Congress an opportunity to help guide EPA and the states in allocating responsibility for addressing these sites.

Mr. Chairman, this concludes my prepared statement. I will be happy to respond to your questions or the questions of committee members.

Mr. OXLEY. Thank you, Mr. Guerrero.

Now, the Chair would note that there are four votes on the floor. We have about 10 minutes, or less than 10 minutes, to go and, then, we have a 5-minute vote. So, we will be gone a good half an hour.

Ms. Kerbawy, could we get your testimony, say, within the next 5 minutes, or would you prefer that we come back and begin your testimony then?

Ms. KERBAWY. It really doesn't matter to me. It might take 7 minutes.

Mr. OXLEY. Okay, then, why don't we recess, if that is okay with you. And, then we will return as soon as the votes are over, which I would think would probably take a total of about a half an hour.

[Brief recess.]

Mr. OXLEY. The committee will reconvene.

When we last met several days ago Ms. Kerbawy was just going to give us her testimony. So, with that, let me recognize Ms. Kerbawy, representing ASTSWMO.

STATEMENT OF CLAUDIA KERBAWY

Ms. KERBAWY. Thank you very much. Hopefully, you folks had a good vote.

Good afternoon, and it's getting close to evening. I am Claudia Kerbawy, Chief of the Michigan Superfund Program. I have been around this program for quite a while—not quite as long as it has been in existence, but just about. I had a little bit of a hiatus for a while working strictly on brownfields, but now I am back.

I am also the primary spokesperson on re-authorization issues for the Association of State and Territorial Solid Waste Management Officials, and I am here today representing ASTSWMO.

As the day-to-day implementers of the State and Federal cleanup programs, the members of ASTSWMO believe we can offer a unique perspective to this dialog, and thank you for recognizing the importance of the State perspective. We commend you for taking this opportunity to review the status of State and Federal cleanup programs prior to the development of legislation. I think that will be quite valuable.

The Superfund statute has facilitated cleanup of some of our Nation's most severely contaminated sites. Perhaps even more importantly, it has fostered the development of State cleanup programs, so that today over 40 States have enacted State Superfund statutes, as well as State voluntary cleanup programs and the brownfields programs.

As with the Federal Superfund Program, most State programs have had the benefit of 18 years to grow and mature in infrastructure capacity and cleanup sophistication. We believe it is very important that Congress understand the status of State programs, in order to make a fully informed decision regarding the future of the Federal Superfund Program.

ASTSWMO recently conducted a study of the accomplishments of the States' cleanup programs. The association asked States to provide detailed information on all removal and remedial actions conducted between January 1, 1993 and September 30, 1977, for each site in the State system, where hazardous waste cleanup efforts were performed by States directly, were performed under State enforcement authority, and were done under voluntary cleanup and property transfer or brownfields programs. It should be noted that sites listed on the NPL, RICO corrective actions, and underground and above-ground storage tank, and other petroleum spills were not included in this study.

The association received information on over 27,000 sites from 33 responding States. I should note that the primary ground rule for the study was that information had to be reported site-specifically and had to be accompanied by background data. Estimates and

program summaries were not counted as part of either the individual State or national totals.

As a result, while this study does not capture the complete site universe, either on a national or individual State level, it is the view of ASTSWMO that enough information was obtained to confirm that a trend has developed demonstrating State programs have substantially matured and are addressing a significantly increased number of sites.

Some of the key results of the ASTSWMO study include: The States are now completing an average of 1,475 sites a year as compared to 200 completions per year previously, for a total of 6,768 completions. The sevenfold increase in completions can be attributed to the growth in the State programs, the advent of the State voluntary cleanup programs, and the development of State cleanup standards.

On a national basis, States completed approximately 485 removals per year, as compared to 293 per year during the first 12 years of the program. This indicates a substantial increase in risk reduction in the field.

Today States are addressing an average of approximately 4,700 sites at any given time, as compared to 1,850 during the first 12 years of the program. This, clearly, shows that State programs have increased in their capacity to identify and address more sites.

Only 8.9 percent of the total sites identified by States were classified as "inactive." As the data indicate, State capacity to address large numbers of sites has increased dramatically. Most sites are being actively worked on by States, either through traditional Superfund programs or through voluntary cleanup programs. The majority of sites classified as "inactive" are probably of lower relative risk and not destined for the NPL anyway.

Obviously, the problem of hazardous waste remediation in this country was much larger than anyone anticipated when CERCLA was enacted. And, the role the States would play in this process was vastly underestimated. Today, there are approximately 1,300 sites listed on the National Priorities List. And, after 18 years, approximately 90 percent of all the sites on the NPL now have records of decision signed.

State programs, in just the last 4 years, have completed 6,768 sites and are working on an additional 20,467 sites. The purpose in stating these numbers is not to compare or compete with the Federal Government, but to illustrate that the Federal Government will only be addressing a finite number of sites, and that the remaining universe of sites is left for the States to address.

The question before this committee is, what should the appropriate role of the Federal Superfund Program be in the future? There are over 40 States with cleanup programs; however, there will always be States who choose to not develop a program, and Federal assistance may be warranted there. There will also be sites which, due to either technical or legal complexities, or cost a State either can not address or may prefer to have the Federal Government address—the point I wish to stress is, with the current status of State programs, the choice as to whether a site is addressed under the Federal Government or the State government should be determined by the State. The Governor should be able to request

Federal assistance or veto a site from being listed on the National Priority List. And, legislation is needed to accomplish this.

As indicated by both the ASTSWMO and GAO surveys, EPA is no longer at the center of the site-remediation universe. The States have, clearly, become the primary regulators for overseeing site remediation. The NPL should be reserved for those sites where both the State and Federal Government believe the expenditure of Federal resources is warranted. The NPL is no longer reserved for the worst of the worst sites. Rather, the NPL has shifted to a venue for remediating serious sites which require Federal resources.

Right now, the Federal Superfund statute technically applies to any site where a release occurs. However, the reality is that the States are really responsible for remediation of all sites which are not on the NPL. The EPA removal program is able to address some of those sites, but the program is designed to stabilize sites not ensure complete remediation. The majority of these sites will never be on the NPL, and, therefore, EPA does not even have the regulatory authority to compel responsible-party action or spend money at these sites to perform the necessary remedial actions. Consequently, the State is often still responsible for completing the remediation of a site, even after an EPA removal action has been performed.

Although the majority of these sites will never be placed on the NPL, they are still subject to CERCLA liability, even if a site has been cleaned up to State standards. The potential for overfile by EPA, and for third-party lawsuits under CERCLA, clearly inhibits redevelopment of brownfields sites.

We believe it is imperative that Congress seek to clarify the State and Federal roles and potential liability consequences under the Federal Superfund Program. States should be able to release sites from liability once a site has been cleaned up to State standards, and emergency action should be the only exceptions to such releases from Federal liability.

We believe the universe of sites to be addressed by State cleanup programs and the sites eligible for releases from Federal liability is the non-NPL universe of sites. Some people will suggest that the non-NPL universe can be divided into two categories: NPL-caliber and low-risk sites. As the primary regulators for non-NPL sites, we are here to tell you that there is no clear line that differentiates these sites. If a site is not on or proposed for listing on the NPL, the State should be free to address the site without EPA interference.

We believe legislation is needed in this area, and hope that Congress chooses to recognize the benefits of State programs, which have had over 18 years to grow and mature, and which, clearly, have become the leaders in site-remediation today.

We look forward to working with this subcommittee as this issue is debated.

[The prepared statement of Claudia Kerbawy follows:]

PREPARED STATEMENT OF CLAUDIA KERBAWY, ASSOCIATION OF STATE AND TERRITORIAL SOLID WASTE MANAGEMENT OFFICIALS

Good morning. I am Claudia Kerbawy and I am the Chief of the Michigan Superfund program. I am also the primary spokesperson on reauthorization issues for the Association of State and Territorial Solid Waste Management Officials (ASTSWMO)

and am here today representing ASTSWMO. ASTSWMO is a non-profit association which represents the collective interests of waste program directors of the nation's States and Territories. Besides the State cleanup and remedial program managers, ASTSWMO's membership also includes the State regulatory program managers for solid waste, hazardous waste, underground storage tanks, and waste minimization and recycling programs. Our membership is drawn exclusively from State employees who deal daily with the many management and resource implications of the State waste management programs they direct. As the day-to-day implementors of the State and Federal cleanup programs, we believe we can offer a unique perspective to this dialogue and thank you for recognizing the importance of the State perspective.

The Superfund statute has served an important purpose. First, it has facilitated the cleanup of some of our nation's most severely contaminated sites; and second, and perhaps most importantly, it has fostered the development of State Superfund programs and State Voluntary Cleanup programs. Today, over 40 States have enacted State Superfund statutes as well as State Voluntary Cleanup/Brownfield programs. I would like to dedicate the first part of my testimony to speaking on the accomplishments of State programs. As with the federal Superfund program, most State programs have had the benefit of 18 years to grow and mature in infrastructure capacity and cleanup sophistication. We believe it is very important that Congress understand the status of State programs, in order to make a fully informed decision regarding the future of the federal Superfund program. The second part of my testimony will be devoted to analyzing the current federal program and providing recommendations for the future program.

ASTSWMO State Accomplishments study:

The Association of State and Territorial Solid Waste Management Officials recently conducted a study on the accomplishments of State cleanup programs. The association asked States to provide detailed information on all short-term removal actions and long-term remedial actions conducted between January 1, 1993 and September 30, 1997 for each site in the State system where hazardous waste cleanup efforts were performed by States directly, under State enforcement authority, and under State voluntary cleanup and property transfer/brownfield programs. Sites listed on the National Priorities List, Resource Conservation Recovery Act corrective actions and underground and above ground storage tank and other petroleum spills were not included in this study. The association received information on 27,235 sites from thirty-three responding States. I should note that the primary ground rule for the study was that information had to be reported site-specifically and had to be accompanied by background data. Estimates were not accepted or counted as part of either the individual State or national totals for work accomplished.

While this study does not capture the complete site universe either on a national level or individual State level, it is the view of ASTSWMO that enough information was obtained to confirm that a trend has developed whereby on a national level States are not only addressing more sites at any given time, but are also completing (construction completes) more sites through streamlined State programs. State programs have matured and increased in their infrastructure capacity.

Key results of the ASTSWMO study included:

- States have completed seven times as many sites per year these last four and three-quarter years than they did during the first twelve years of the program. During the first twelve years of the program, States completed 202 sites per year on average. Over the last four and three-quarter years, States have averaged 1,475 completions per year for a total of 6,768 completions. State managers believe the large increase in completions can be attributed to the growth of State programs, the advent of State Voluntary Cleanup programs and the development of State cleanup standards (i.e., clearly defined endpoints).
- States have completed almost twice as many removals per year during the last four and three-quarter years of the program than they did during the previous twelve years of the program. On a national basis, States completed approximately 485 removals per year as compared to 293 per year during the first twelve years of the program. This doubling of the pace of removals indicates a substantial increase in risk reduction in the field.
- Three times as many confirmed contaminated sites have been identified and are working their way through the State system than during the first twelve years of the program. During the first twelve years of the program, States had approximately 1,850 sites working their way through their systems at any given time. Today, States are addressing an average of approximately 4,700 sites at any given time. NOTE: the word "address" could refer to site remediation, no further action designations, or site prioritizations. These findings clearly show

- that States programs have matured and State infrastructures have increased in their capacity to identify and address more sites.
- Only 8.9% (2,426) of the total sites identified by States (27,235) were classified as inactive. As the data indicate, State capacity to address large numbers of sites has increased dramatically. Most sites are being actively worked on by States either through traditional State superfund programs or through voluntary cleanup programs and it is the professional judgement of the ASTSWMO membership that the majority of sites classified as inactive are probably of lower relative risk and not destined for the NPL due to the triage system employed by most States.

Analysis of the Current Federal Superfund Program and Recommendations for the Future:

It is our understanding that when Congress enacted the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) in 1980, commonly known as Superfund, it was envisioned that there were approximately 400 serious abandoned hazardous waste sites requiring remediation across the country and that the Superfund program would have a life-span of perhaps five years. Congress did not provide for a meaningful role for State programs until 1986 with the Superfund Amendments and Reauthorization Act (SARA).

Obviously the problem of hazardous waste remediation in this country was much larger than anyone anticipated and the role the States would play in this process had been vastly underestimated. Today, there are approximately 1300 sites listed on the National Priorities List. After 18 years, the Environmental Protection Agency can legitimately claim that approximately 90% of all sites listed on the National Priorities List have signed records of decision. State programs in just the last four years have completed 6,768 sites and are working on an additional 20,467 sites. The purpose in stating these numbers is not to compare or compete with the federal government, but to illustrate that Congress was correct in envisioning that the federal government would address only a finite number of sites.

As the recent ASTSWMO survey illustrates, State programs have developed and matured in terms of sophistication and infrastructure capacity. Only 8.9% (2,426) of the total sites (27,235) identified by the ASTSWMO survey are classified as inactive. States today employ a triage system whereby, the worst sites are addressed first. It is, therefore, the strong belief of the ASTSWMO membership that most sites that have been identified within a State that could qualify for listing on the NPL are already being worked on by the State.

We believe the views of our membership were validated by the recent General Accounting Office (GAO) Report entitled, "Hazardous Waste: Unaddressed Risks at Many Potential Superfund Sites". In this report the GAO reviewed the status of 3,036 sites which had pre-scored above 28.5 but for a variety of reasons had not been placed on the NPL. Out of a total of 3,036 sites only 7.6% (232) were estimated by both EPA and State officials to potentially warrant listing on the NPL. This confirms that the EPA regional staff had utilized good judgement in not placing the vast majority of these sites on the NPL; it also confirms that the hazard ranking system could be improved.

The question before this Committee is what should be the appropriate role of the federal Superfund program in the future? While there may be forty plus States with State Superfund programs and Voluntary Cleanup programs there will always be States who choose not to develop a program and federal government assistance may be warranted. There will also be sites which due to either technical or legal complexity or cost, a State either cannot or may prefer to have the federal government address. The point I wish to stress is that with the current status of State programs the choice as to whether a site is addressed by the federal government or State government should be determined by the State. A Governor should be able to veto a site from being listed on the National Priorities List. While it is EPA policy to routinely seek concurrence from the Governor before a site is listed on the NPL, it is not mandatory that the concurrence be received. If a dispute should arise between EPA and a Governor the process within EPA is to have the Assistant Administrator for OSWER make the final determination. Frankly, that is not a satisfactory policy.

Fortunately, there are very few sites where the States and EPA disagree, however, when a dispute does occur the site quickly becomes high profile and both the State and federal government can lose credibility. As indicated by the ASTSWMO survey and GAO survey, the States have clearly become the primary regulators for overseeing site remediation. The NPL should be reserved for those sites which *both* the State and federal governments believe warrant expenditure of federal resources. If a site has a viable responsible party and a State agency willing to assume responsibility, the State should have the opportunity to remediate the site without federal

intervention. The NPL is no longer reserved for the “worst of the worst” sites, rather the NPL has shifted to a venue for remediating sites which require federal resources. The criteria for listing sites on the NPL may quickly shift from one of risk based determinations to one based on resource needs. Legislative change is needed.

Congress also must consider whether they wish to see the role of the federal Superfund program expanded in the future. The federal Superfund statute technically applies to any site where a release occurs. However, the *reality* today is that States are responsible for ensuring the remediation of all sites which do not score above 28.5 using EPA’s Hazard Ranking System (HRS)—the cutoff for federal listing on the NPL. The EPA removal program is able to address some sites which are not listed on the NPL, but the program is designed to stabilize a site, not to ensure the full remediation of the site. EPA can not expend fund money for remediating a site not listed on the NPL. Consequently, the State is often still responsible for completing the remediation of a site even after an EPA removal action has been performed at a site.

It is our belief that Congress needs to decide definitively whether EPA should retain a role in the remediation of non-NPL sites. While in practicality EPA has no to little role at these sites and as our survey indicated, the States are addressing the large universe of non-NPL sites, the statute still maintains a role for EPA *in theory*. Although the majority of these sites (typically brownfield sites) will never be placed on the NPL, they are still subject to CERCLA liability even after the site has been cleaned up to State standards. It is our belief that we can no longer afford to foster the illusion that State authorized cleanups may somehow not be adequate to satisfy federal requirements. The potential for EPA overfile and for third party lawsuits under CERCLA is beginning to cause many owners of potential Brownfields sites to simply “mothball” the properties. We believe it is imperative that Congress seek to clarify the State-Federal roles and potential liability consequences under the Federal Superfund program. States should be able to release sites from liability once a site has been cleaned up to State standards. In situations which are deemed emergencies and where the State requests assistance, we believe the federal government should be able to address the site and if necessary hold the responsible party liable consistent with liability assigned under State cleanup law. Emergency actions should be the only exceptions to such releases from federal liability.

This has been a very contentious issue and we understand that many in the Administration have raised objections to provisions of this nature. We do not understand the basis for these objections for several reasons. First, EPA does not have the ability to compel parties to take remedial actions at sites not listed on the NPL, except for removal actions. Second, the majority of these sites will never be listed on the NPL, therefore, EPA does not have regulatory authority to spend fund money at these sites to perform the necessary remedial actions. Third, if a State should release a site from State liability (of course, all States have standard reopening provisions contained in their liability releases), and a situation should develop which warrants federal attention, the State will act responsibly and contact EPA. For example, the Hoboken site in New Jersey was remediated under the State Voluntary Cleanup program and a certificate of completion was issued by the State. Previously unknown mercury was later found to be present at the site and the State for financial and technical reasons called EPA in to address the site. The State of New Jersey has remediated over 6,000 sites through its Voluntary Cleanup program and receives 150 applications a month. We recognize that situations such as the Hoboken site will occur and believe that the recommendation we have offered adequately addresses the situation. While it is clear in emergency situations that EPA should have the ability to enter a site, we believe the second prong of the condition must also be met, i.e., with State concurrence similar to our recommendation for listing sites on the NPL. We wish to avoid duplication as much as possible and therefore believe that if a State is capable of addressing the emergency than there is no need to utilize EPA’s resources. The States have proven they act responsibly in these situations and it is to the State’s advantage to notify EPA when either the State’s financial or technical resources are not sufficient to adequately address the problem.

We believe the universe of sites to be addressed by State Cleanup (State Superfund and State Voluntary Cleanup) programs and the sites eligible for releases from federal liability is the non-NPL universe of sites. It seems only practical to officially exclude proposed and listed NPL sites simply for the fact that much work has already ensued in order to place these sites on the NPL. Some suggest that the non-NPL universe can be divided into two categories, NPL-caliber and low risk sites. We are the primary regulators for non-NPL sites and we are here to tell you that there is no clear line that differentiates these sites. Many would suggest the bright line should be 28.5 (as determined by the HRS), but there are two problems with using

this arbitrary cutoff. First, 28.5 is the quantitative scoring factor used to determine if a site qualifies for placement on the NPL. However, this figure is based on an archaic hazard ranking system which many EPA and State managers admit is flawed, so much so, that EPA and State managers in the GAO study identified only 7.9% of the 3036 pre-scored universe of sites for potential listing on the NPL. Second, in order to use the quantitative NPL-caliber designation, States would have to score sites prior to admitting them to a voluntary cleanup program (a suggestion we understand one EPA Region has made to a State). Clearly, the pre-scoring of a site as a condition for entering a State Voluntary Cleanup program would be a huge disincentive for marketing a State Voluntary Cleanup program and would not serve to move this large universe of sites to cleanup nor to facilitate economic redevelopment of brownfields. Essentially, the program has operated for years on a “you know it when you see it basis” in identifying NPL-caliber sites. This is bad public policy and should not be acceptable for differentiating State and EPA roles and for providing certainty to the process. If a site is not to be listed on the NPL, than the State should be free to address the site without EPA interference and the site should be eligible for the same benefits as any other site, such as liability releases. We believe legislation is needed in this area and hope that Congress chooses to recognize the benefits of State programs which have had over 18 years to grow and mature and which clearly have become the leaders in site remediation today.

Conclusion:

As we understood the subject of today’s hearing to be the status of the current federal Superfund program, I have not outlined ASTSWMO’s recommendations for changes to the federal remedy selection process or addressed the issue of the State role regarding federal NPL sites (ASTSWMO’s positions on these issues are attached for the record). Rather, I have focused on both the current and *potential scope* of the federal Superfund program in the future. With 90% of all NPL sites having signed records of decision, we felt a discussion on remedy selection changes would not be appropriate. EPA has done a good job in diligently working to remediate the 1300 or so sites listed on the NPL. They should be commended for their efforts. EPA, however, is no longer the center of the site remediation universe. The vast majority of sites are and will continue to be remediated under State auspices. The question for Congress should be whether to change the law to reflect *today’s* reality. We look forward to working with the Subcommittee as this issue is debated.

Mr. OXLEY. Thank you very much, Ms. Kerbawy.

Let me begin by asking, Mr. Guerrero—EPA has stated that the pace of cleanups has increased because the number of construction-completes have increased over the past few years. You testified that, when you evaluated the pace of cleanup, you estimated it takes an average of 10.6 years to clean up an NPL site. In your view, do the increases in completed constructions necessarily provide evidence of an accelerated pace of cleanup? Can you comment on the difference between your estimates and that of EPA?

Mr. GUERRERO. Sure. No, we have not seen convincing evidence that the pace of cleanups has necessarily improved. We believe that the increased numbers of cleanups that are being done is a reflection of the aging of the cases that have been in the system for many, many years. And, if you remember, I referred to a figure 1 in my statement, which showed that EPA had not listed many sites in this decade. Most of the sites, close to 90 percent of sites, were listed prior to this decade. And, so, eventually, you would expect that those sites would get cleaned up, and they are getting cleaned up now.

Mr. OXLEY. EPA has made a number of changes to how it administers the Superfund Program over the past few years. It calls these administrative reforms. We heard the agency discuss these in some detail earlier with Mr. Fields. GAO studies the effectiveness of these reforms. What are your primary findings?

Mr. GUERRERO. At the time we looked at it—and this is work that is now 2 years old, so it is something we would want to look

at currently to get a better read on—but at the time we looked at it, EPA was unable to document the improvements that they were claiming they had made as part of that administrative reform.

Mr. OXLEY. Isn't it true that GAO found quantifiable results for only about 6 out of 45 administrative reforms?

Mr. GUERRERO. That is correct.

Mr. OXLEY. GAO indicated, in their earlier report, that EPA was unable to document the effectiveness of many of these reforms, noting that the agency indicated that results of many of these reforms were not quantifiable. Has that changed? Does GAO have any additional information about the effectiveness of EPA's administrative reforms?

Mr. GUERRERO. No, not since that time. And, again, as I said, we think this is an issue that should be looked at and we would be happy to do that for the committee.

Mr. OXLEY. Thank you.

Ms. Kerbawy, we heard testimony from GAO that the capacity of State programs to take on greater responsibility may vary by State, due to issues associated with State funding and enforcement authority. Can you offer your opinion about the extent to which State programs may be able to take on greater responsibility for cleanups in the future?

Ms. KERBAWY. Sure. I think we have seen a definite trend over the years that the State capacity for dealing with these sites has increased substantially. We agree with GAO's percentages; 80 percent of the States have the program capability with their Superfund laws to deal with the enforcement issues and the funding issues. I think that, certainly, the States are showing that they are handling the vast majority of the sites out there as it is, and those include sites that have the same level of risk and complexity as some of the sites on the NPL. There will always be a few States that will not be able to take on the program; that chose either not to develop a program or ask for EPA assistance. That, currently, is the case, I would expect that would be the case in the future. So, there probably is a role for some States where EPA would need to play a part.

Mr. OXLEY. Your testimony on behalf of the State cleanup official states that, quote, "The potential for EPA overfile for third-party lawsuits under CERCLA is beginning to cause many owners of potential brownfields sites to simply 'moth ball' the properties."

You further state that "The States should be able to release sites from liability once a site has been cleaned up to State standards."

We heard this issue discussed earlier by Mr. Fields, and you were present, I think, to hear his response. Can you explain the State's view on this point?

Ms. KERBAWY. Yes. I think that it's really important to note that, although there are 11 States that have memorandums of agreement with EPA, which helps to give some assurance that EPA will not overfile where they are taking action, that is only 11, and very few States are interested in pursuing a memorandum of agreement at this time under the current policies that EPA has. What we see now is that EPA is asking for specific changes in their programs that would be necessary or scoring of sites before putting them into a voluntary cleanup program—all of which significantly com-

plicates and changes the priorities for the States in dealing with the sites within their State. Quite frankly, I think that it is very important to look at the overall issue that MOA's don't bar—they are not enforceable. So, the potential for a problem still exists out there.

If Michigan did not have an MOA with EPA right now, I don't think we would be trying to get one because of what would be required to be put in there. I think that it is also important to note that the third-party complications, third-party contribution actions, are not affected whatsoever by an MOA. That agreement is between the State and EPA. And, one of the major issues at the brownfields sites is, not only that EPA might come in, but that there would be third-party contribution actions that could be taken against new owners of the site that, you know, are essentially innocent parties.

Mr. OXLEY. Thank you. The Chair's time has expired. Let me turn to the gentleman from New York, the ranking member, Mr. Towns.

Mr. TOWNS. Thank you very much, Mr. Chairman.

Mr. Guerrero, I would like to focus on the 232 sites that your testimony indicates might be placed on the NPL list. For the 39 sites, in the group of 232 where EPA said the NPL listing was likely, but the State says cleanup or no cleanup, would you agree that there is more uncertainty in these sites being listed on the NPL than the 26 where both agencies agree?

Mr. GUERRERO. Yes, there is.

Mr. TOWNS. I understand that you encounter approximately 100 sites from the State of Massachusetts in your graph of sites, but which final outcome is uncertain because the State failed to participate in your survey. Am I correct that Massachusetts did send you written documentation indicating that virtually all of the Massachusetts sites will be handled by the State program?

Mr. DONAGHY. I can respond to that. Actually, Massachusetts refused to participate in the survey that we sent out to the States to find out how they were dealing with the sites that could make it into the Superfund Program. They said that they had recently completed a survey for ASTSWMO, and they referred us to the ASTSWMO questionnaire for information. But, we weren't able to use the responses that were given to ASTSWMO because it was an entirely different questionnaire. It was a one-page questionnaire, a very short sort of survey; whereas, our own was much more complex and the categories that we used weren't always consistent with the ASTSWMO survey. So, we weren't able to integrate the Massachusetts figures into our overall data on the States.

Mr. TOWNS. And they used the excuse of the fact that it would take them too long to prepare and—

Mr. DONAGHY. Yes, they said they didn't have the resources to complete the survey.

Mr. TOWNS. And they also stated their sites were not to be listed on the NPL?

Mr. DONAGHY. I am not sure that they told us that. They referred us to the ASTSWMO survey. In response to the ASTSWMO survey, they probably forecast few sites would make it on to the NPL; that is right.

Mr. TOWNS. Mr. Chairman, I have a document here I would like to place in the record, a letter, also, from the Commonwealth of Massachusetts and also the Massachusetts questionnaire they submitted by GAO. I would also like to submit all of that, for the record.

Mr. OXLEY. Without objection.
[The information referred to follows:]

COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF ENVIRONMENTAL AFFAIRS
DEPARTMENT OF ENVIRONMENTAL PROTECTION
December 24, 1997

PETER F. GUERRERO
*Director, Environmental Protection Issues
Resources, Community, and Economic Development Division
United States General Accounting Office
Washington, D.C. 20548*

DEAR MR. GUERRERO: Through the office of Secretary Trudy Coxe, the Department of Environmental Protection has received your request to complete a survey for the General Accounting Office. The survey requests information on hazardous waste sites in Massachusetts which have scored 28.5 or greater under EPA's Hazard Ranking System but have not yet been nominated to the National Priorities List. Such sites are commonly referred to as PUPS. The list accompanying your letter contains 195 of these sites for which you request a completed survey.

Your letter suggests that each site specific survey should take a staff person approximately 10 minutes to complete. Our experience has been that compiling the information and completing a survey of this detail will take significantly more time, up to several hours each for many of the sites. We therefore must inform you that we will not be able to commit the substantial resources to it will take to complete this survey.

However, I have enclosed a copy of a joint EPA/ASTSWMO survey which we completed this past summer regarding the same sites which you are interested in. In addition, members of my staff met during this past summer with some members of your staff and discussed the status of PUP sites in Massachusetts. We informed your staff that the large majority of those sites were participating in our waste site cleanup program and did not warrant listing on the NPL at this time. It seemed to come as a surprise to them that these sites were not sitting idly by because they had not yet been listed on the NPL, but were, in fact, moving forward under the state program. We also provided your staff with a printout of our data base regarding those sites.

I hope you find the enclosed information useful. It is my understanding that the joint EPA/ASTSWMO survey results will be available during late spring of 1998. You should contact ASTSWMO for more information on that.

If I can be of any further assistance, please feel free to contact me at 617-292-5648.

Very truly yours,

JAMES C. COLMAN
Assistant Commissioner, Bureau of Waste Site Cleanup

cc: Ms. Trudy Coxe, Secretary, Executive Office of Environmental Affairs
Mr. David Struhs, Commissioner, Department of Environmental Protection

Massachusetts PUP Questionnaire Submitted to GAO

Site	Does Site Warrant Listing on NPL?	Status
Wompatuck State Park	no	in compliance with state program
SCA Services Landfill	no	in compliance with state program
Microwave Development Labs	no	in compliance with state program
MSM Industries	no	in compliance with state program
Royce Aluminum	no	in compliance with state program
Vitale Flyash Pit	no	site investigation-pending enforcement action
Tremblay Barrell	no	preliminary assesment-pending enforcement action
Sudbury Labs	no	site investigation-pending enforcement action

Massachusetts PUP Questionnaire Submitted to GAO—Continued

Site	Does Site Warrant Listing on NPL?	Status
Old Wharton Road Property	no	remedial investigation-pending enforcement actions
Marra Property	no	preliminary assesment-pending enforcement action
Mansfield Bleachery	no	site investigation-pending enforcement action
Margetts & Sims Septic	no	site investigation-pending enforcement action
Magic Chemical	no	preliminary assesment-pending enforcement action
Lot Near Hewitt Wool Mill	no	preliminary assesment-pending enforcement action
Conrail Yard	no	preliminary assesment-pending enforcement action
Lasco Chemical	no	site investigation-pending enforcement action
Blox Chemical	no	remedial investigation-pending enforcement actions
Berkshire Tannery	no	site investigation-pending enforcement action
Airport Septic System	no	site investigation-pending enforcement action
Alberox	no	remedial investigation-willing low priority site, prp conducting response action
Cotuit Landing	no	remedial investigation-willing low priority site, prp conducting response action
New Bedford Landfill	no	landfill-state solid waste program
Eastham Sani-Landfill	no	landfill-state solid waste program
Adams Landfill	no	landfill-state solid waste program
Bird Property	no	remedial investigation-pending enforcement actions
Acushnet Landfill	no	landfill-state solid waste program
Fairhaven Landfill	no	landfill-state solid waste program
Belchertown Bulk Carriers	no	cleanup complete under state program
B&E Tool	no	cleanup complete under state program
Benzenold Organics	no	cleanup complete under state program
Warren Landfill	no	cleanup complete under state program
Timex Clock Co. (FMR)	no	cleanup complete under state program
Three C Electrical Co. (FMR)	no	cleanup complete under state program
Stanhope, Inc	no	cleanup complete under state program
Roy Bros Haulers	no	cleanup complete under state program
Omega Laboratories	no	cleanup complete under state program
Northeast Investment Co	no	cleanup complete under state program
Mashpee Landfill	no	cleanup complete under state program
Kytron Circuits Corp.	no	cleanup complete under state program
Cannon's Engineering	no	cleanup complete under state program
Lamger Chemical Systems, Inc	no	cleanup complete under state program
Boston Edison/Edgar Station	no	cleanup complete under state program
Astro Circuits	no	cleanup complete understate program
Eastman Gelatine Corp Lime Disp Area.	no	cleanup complete under state program
Rumford Avenue Landfill	no	landfill-state solid waste program
Qutney Landfill	no	landfill-state solid waste program
Peabody Landfill	no	landfill-state solid waste program
Lowell Landfill	no	landfill-state solid waste program
Murray-Carver Landfill	no	landfill-state solid waste program
East Bridgewater Landfill	no	landfill-state solid waste program
Barnstable Landfill	no	landfill-state solid waste program
Andover Town Landfill	no	landfill-state solid waste program
Indian Head Ski Area	no	no action required
Archebault/Holyoke Sani Landfill	no	landfill-state solid waste program
Hamilton Landfill	no	landfill-state solid waste program
Groton Screw Machine	no	remedial investigation-pending enforcement actions
Finberg Field	no	no action required
Duralie Company Inc	no	remedial investigation-pending enforcement actions
Decor Novelties Inc	no	remedial investigation-pending enforcement actions
Crocker Junkyard (FMR)	no	remedial investigation-pending enforcement actions
Berkshire Gas Company	no	remedial investigation-pending enforcement actions
Auburn Landfill	no	cleanup complete under state program
Willow Hill Landfill	no	cleanup complete under state program
Johns-Manville Sales Corp .....	.....	already listed
General Latex and Chem Corp .....	.....	already listed
Magnet Corporation	no	feasibility study-willing low priority site, prp conducting response action

Massachusetts PUP Questionnaire Submitted to GAO—Continued

Site	Does Site Warrant Listing on NPL?	Status
H&L Reed Electroplating	no	remedial investigation-low priority, prp conducting response action
GTE Sylvania	no	remedial investigation-low priority, prp conducting response action
Drooker Parul	no	remedial investigation-low priority, prp conducting response action
Star Chemical	no	cleanup complete under state program
Phalo Corp	no	cleanup complete under state program
Owens Illinois FPD Worcester Box PLT	no	cleanup complete under state program
Norfolk Conveyor Div	no	cleanup complete under state program
ND Cass Company	no	cleanup complete under state program
Monson Chemical (FMR)	no	cleanup complete under state program
Microwave Assoc. Comm. Co	no	cleanup complete under state program
James River Inc. Mill #8	no	cleanup complete under state program
?Hollingsworth & Vose Co	no	cleanup complete under state program
?Hollingsworth & Vose Co	no	no release
Hercules Landfill	no	cleanup complete under state program
George Lay Property	no	cleanup complete under state program
Du Pont Company	no	no release
Maynard Landfill	no	landfill-state solid waste program
Unifirst	no	already listed
Townsend Highway Department	no	remedial investigation-prp conducting response action
Shafter Landfill	no	already listed
Robbins Company Inc	no	no action required
West Street Property	no	remedial investigation-pending enforcement actions
Kempton Road Site	no	remedial investigation-pending enforcement actions
Microfab (FMR)	no	remedial investigation-pending enforcement actions
North Attlebro Landfill	no	landfill-state solid waste program
Nat'l Steel Service Center Inc	no	no action required
Johns-Manville Asbestos Landfill	no	already listed
Panama St. Property	no	remedial investigation-pending enforcement actions
Worcester Spinning & Finishing Co	no	no action required
Reclamation Systems Inc Landfill	no	already listed
Kettle Pond	no	already listed
North Carver Landfill	no	feasibility study-pending enforcement actions
Costa's Landfill	no	remedial design/action-pending enforcement actions
Holden Landfill	no	landfill-state solid waste program
Action Landfill	no	landfill-state solid waste program
Neponset Valley Ind. Park	no	closed under state program
Raytheon Corp.	no	remedial investigation-low priority, prp conducting response action
W R Grace Daramic Plant	no	remedial investigation-prp conducting response action
Worcester Tool & Stamping	no	remedial investigation-prp conducting response action
Westfield Gas & Electric Dept.	no	remedial investigation-prp conducting response action
Townsend/Textron	no	site investigation-prp conducting response action
Townsend Harbor Rd Property	no	remedial investigation-prp conducting response action
Tech Well Corp (FMR)	no	remedial investigation-prp conducting response action
Shaw's Plaza	no	remedial investigation-prp conducting response action
SCA/CAL's Landfill	no	remedial investigation-prp conducting response action
Rockland Industries Inc	no	remedial investigation-prp conducting response action
Reliable Elec Finishing	no	remedial design/action-prp conducting response action
RCA Corp (FMR)	no	site investigation-prp conducting response action
Raytheon Missile Systems	no	remedial design/action-prp conducting response action
Nuclear Metals Inc	no	remedial investigation-prp conducting response action
North Adams Landfill	no	remedial investigation-prp conducting response action
Kilburn Glass Industries	no	site investigation-prp conducting response action
Indian Line Farm	no	remedial investigation-prp conducting response action
Hybripack Inc (FMR)	no	remedial investigation-prp conducting response action
Hudson Light & Power	no	remedial investigation-prp conducting response action
FMC/Tulco Inc	no	remedial investigation-prp conducting response action
Electrometals Inc	no	remedial investigation-prp conducting response action
Cumberland Farms Dairy Inc	no	remedial investigation-prp conducting response action
Crewse & Cook Co (FMR)	no	site investigation-prp conducting response action
Compo Industries Inc	no	remedial investigation-prp conducting response action
Commonwealth Gas Co	no	remedial investigation-prp conducting response action
Colorado Fuel & Iron	no	site investigation-prp conducting response action

Massachusetts PUP Questionnaire Submitted to GAO—Continued

Site	Does Site Warrant Listing on NPL?	Status
Coal Tar Processing Facility (FMR)	no	remedial investigation-prp conducting response action
C.M. Bracket Co (FMR)	no	site investigation-prp conducting response action
Borden Chemical Co	no	remedial investigation-prp conducting response action
Bay State Abrasives/Dresser Ind Landfill.	no	remedial investigation-prp conducting response action
BASF Systems Corp	no	remedial investigation-prp conducting response action
Airco Industrial	no	remedial investigation-prp conducting response action
Agway/Kress Property	no	remedial investigation-prp conducting response action
Alto-tronics Corp	no	feasibility study-prp conducting response action
Microwave Assoc Bldg #6	no	remedial design/action-prp conducting response action
Stauffer Chemical Co. (FMR)	no	already listed
Sterling Supply Corp (FMR)	no	remedial investigation-pending enforcement actions
Titeflex	no	feasibility study-prp conducting response action
Reichhold Chemicals Inc	no	site investigation-prp conducting response action
Paramount Cleaners & Dryers	no	remedial investigation-prp conducting response action
Natick Federal Savings & Loan	no	site investigation-prp conducting response action
Merrimun Div of Quamco Inc	no	remedial design/action-prp conducting response action
Lubrix Products Inc	no	site investigation-prp conducting response action
JG Grant & Sons Inc	no	remedial investigation-prp conducting response action
Hoyt & Worthen Tanning Corp	no	site investigation-prp conducting response action
Hirons Upholstery	no	remedial investigation-prp conducting response action
Frequency Sources Inc Facility	no	remedial investigation-prp conducting response action
Forbes Lithographic Co (FMR)	no	preliminary assesment-prp conducting response action
Fabricare House	no	remedial investigation-prp conducting response action
Bird & Sons (FMR)	no	preliminary assesment-prp conducting response action
Atlantic-Covey Crane Service Inc	no	remedial investigation-prp conducting response action
Holden Street Fill Area	no	no action required
Huntington Avenue Landfill .....	.....	not on state list
South Boston Naval Annex .....	.....	not on state list
Trimount Biotuminous Products .....	.....	not on state list
Brazonics	no	critical compliance deadline not yet reached
Freetown Screw MFG Co	no	critical compliance deadline not yet reached
Roccos Disposal Area	no	critical compliance deadline not yet reached
Waucantuck Mills (FMR)	no	critical compliance deadline not yet reached
US Windpower (FMR)	no	possible candidate-not at this time
Sprague Electric	no	possible candidate-not at this time
West Brewster Landfill	no	landfill-state solid waste program
West Brewster Sanitary Landfill	no	landfill-state solid waste program
Easthampton Landfill	no	landfill-state solid waste program
Easthampton Landfill	no	remedial investigation-prp conducting response action
Attlebro Gas Works (FMR)	no	site investigation-prp conducting response action
Attlebro Gas Works (FMR)	no	no action required

Mr. TOWNS. Thank you very much.

At this time, Mr. Chairman, one other question I think I have here, very quickly. One other question—I had a question. Ms. Kerbawy, I had one question for her.

Ms. Kerbawy, in your testimony today, is it consistent with your organization’s press release, following a survey of the State program in November 1998, which stated that, “The vast majority, in fact, 95.6 percent of the sites listed under the Comprehensive Environmental Response Compensation and Liability Act Information System do not warrant listings on the National Priorities List.”

Ms. KERBAWY. Is that consistent with my testimony today?

Mr. TOWNS. Yes.

Ms. KERBAWY. Yes. I believe it is consistent. Many of the sites on CERCLA, and I think that the GAO survey also came up with this result; don’t warrant listing on the National Priorities List be-

cause they are being addressed in other manners or else are lower-risk sites.

Mr. TOWNS. Let me just switch back over to you, Mr. Guerrero. Mr. Chairman, I am going to yield back.

Mr. OXLEY. The gentleman yields back. The gentleman from Illinois, Mr. Shimkus.

Mr. SHIMKUS. Thank you, Mr. Chairman.

First, and I am sorry, I wasn't here to get the pronunciation of your name—

Ms. KERBAWY. Kerbawy.

Mr. SHIMKUS. Kerbawy?

Ms. KERBAWY. Yes.

Mr. SHIMKUS. You were here for the previous panel, and I wanted to ask, in reference to part of your testimony in which you indicate Congress should amend Superfund to require the EPA to receive the concurrence of the State Governor prior to listing a site on the NPL, can you elaborate on why you believe it is imperative for State Governors to be given this right of concurrence?

Ms. KERBAWY. Yes. State programs are really quite well developed and we have a lot of activity going on at these sites. Although it is very rare that EPA will want to list a site that the Governors oppose, when that happens, it can create great difficulties and tremendous disruption in the work that needs to be done on a site. We really think that our programs are very efficient. We are moving a lot of them through to completion and, when you compare it to—Mr. Fields mentioned that, if your site is on the National Priorities List, 8 years to go through the Superfund process. And, that is a long time and we can address a site faster than that.

We really would prefer to have sites move forward, and if we are working with a responsible party or we are working on a site ourselves, to have it go into a listing process will be very disruptive.

Mr. SHIMKUS. In my question to Mr. Fields, he had brought up a case where a site, he mentioned, would affect three different States, and it was difficult to get the concurrence of the three surrounding Governors. Do you know of any such case out there?

Ms. KERBAWY. I am not familiar with any such cases, but I don't claim to know of every site in the Nation.

Mr. SHIMKUS. Thank you.

Mr. Guerrero, yesterday I spoke to local businesses from Quincy, Illinois, and I am having my own Superfund experience in the last 1½ months. Only two restaurants were named as PRP's for the Quincy landfill cleanup while Quincy has—obviously, it is a large community—dozens of local restaurants. This raises very serious concerns about the EPA's method of collecting proper data to determine responsibility. I think it is obvious the EPA has probably included only two restaurants because they were simply among the businesses that kept the best records. Does this method of record collection strike you as somewhat unscientific?

Mr. GUERRERO. I am sorry, not being familiar with this specific case, I can't really comment on the specifics of it.

Mr. SHIMKUS. Well, let me just put it this way: The site closed over 20 years ago. What the EPA is attempting to do is go through municipal landfill records kept by the municipality to determine the PRP's. They have only cited two to have judgments against out

of the dozens of restaurants, and these are just mom-and-pop restaurants. If the EPA were to use that method, would you consider that unscientific?

Mr. GUERRERO. It certainly sounds on its face to be unfair. Again, you know, I can't speak for how EPA did their particular record search in that case and whether it was exhaustive or complete or—

Mr. SHIMKUS. Well, you can tell I have my own axe to grind on the Quincy area. So, let me just move to other issues in part of your testimony.

You have consistently reported that less than half of EPA's spending on the Superfund actually goes to contractor cleanup work. EPA reports that a larger share of "spending," goes to clean up work. What is the difference between these estimates?

Mr. GUERRERO. The difference is really accounted for by using different categories. EPA has more categories of expenses that they consider to be directly related to cleanup. We are currently doing some work now, looking at those other categories, to make a better determination what percent of those categories go directly to site cleanups and what are not directly related—

Mr. SHIMKUS. Can you give me an example of that? Are they going to consider litigation as part of cleanup?

Mr. GUERRERO. This is Mr. Barchok, who is doing the work right now.

Mr. BARCHOK. What we are doing is looking at it in a little different way. We are analyzing how much of the money is going to contract or cleanup work; that is, contractors who study, design, and implement cleanups. Another categorization of the expenditures is how much of the expenditures are site-specific—that is, that are charged to specific sites—and how much of the money is nonsite-specific. So, it gives you a cut as to how directly I think, EPA—and, there is some subjectivity in how you define cleanup. We are trying to take it to an analytic level and come up with categories of expenditures and place them in a box and then we allow others, like yourself, to say, "What does that mean to you?"

With regard to, I think, the category for enforcement, I think our current work is showing that, roughly, about 50 percent of that is site-specific and about 50 percent of the expenditures in that category are nonsite-specific, administrative in nature.

Mr. GUERRERO. The key here is really, in my opinion, not how you slice this particular pie, but whether what is being allocated to cleanup work, site-specific cleanup work, is either increasing or decreasing over time. This is a program that will soon be entering its third decade. You would expect, by this point in time, that the large proportion of that Superfund dollar would be spent onsite cleanup. Unfortunately, the recent trend shows that does not appear to be the case. So, no matter how you slice it or dice it, the trend is what is important, and the trend is moving in the wrong direction at this time.

Mr. SHIMKUS. And you went right in to the follow-up question. And, just based upon the fiscal year's of 1996 and 1997, you are, then, saying that the spending going to contractors for cleanup has gone down. Can you tell me what the projection is for the fiscal year 1998?

Mr. GUERRERO. Very preliminary information suggests that it is continuing to decline.

Mr. SHIMKUS. Thank you, Mr. Chairman. I will yield back.

Mr. OXLEY. Thank you, gentlemen. Thank you both for your patience and your excellent testimony. We appreciate your indulgence. And, the subcommittee stands adjourned.

[Whereupon, at 5:35 p.m., the subcommittee was adjourned.]

[Additional material submitted for the record follows:]

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JAMES E. GUERDNER, CHIEF OF STAFF

U.S. House of Representatives
Committee on Commerce
 Room 2125, Rayburn House Office Building
 Washington, DC 20515-6115

April 12, 1999

Mr. Timothy Fields, Jr.
 Acting Assistant Administrator for Solid Waste
 and Emergency Response
 U.S. Environmental Protection Agency
 401 M Street, S.W.
 Washington, D.C. 20460

Dear Assistant Administrator Fields:

We appreciated your testimony on March 23, 1999, at the hearing on the Status of the Federal Superfund Program conducted by the Subcommittee on Finance and Hazardous Materials. In order to clarify and further amplify on the testimony received by the Subcommittee, we would request responses from the Environmental Protection Agency (EPA) to the following questions by May 7, 1999:

1. During your testimony, you indicated that EPA has worked with the Agency for Toxic Substances and Disease Registry (ATSDR) to evaluate health impacts of Superfund sites. Please provide for the record a complete summary of the health effects studies that have been performed by ATSDR at Superfund sites. In addition, please provide for the record a listing by state and location of the 5,600 emergency response actions that have been taken to address release of hazardous substances.
2. During your testimony, you stated that "out of the 35 Ohio NPL sites, we intend to have 33 of 35 sites with construction completed or underway at the end of this Congress." Please provide a more detailed description of the cleanup and enforcement status of each of the 32 non-federal sites as of April 1, 1999, and of the expected cleanup progress as of the end of the Congress. Are there any non-federal sites in Ohio where the final record of decision for the site will be selected after the end of this Congress? If so, please identify the site and indicate whether the state or federal government has the lead at the site and the date the final cleanup remedy will be selected.

Of the 32 non-federal sites, please identify any that will not have remedial construction underway as of the end of this Congress and indicate the circumstances at the site and the projected date of the start of remedial construction.

For the three federal facilities, please indicate the status of remedy selection and construction activities at the site.

3. Please verify the accuracy of the status of cleanups for the following states:

Iowa -- For the 19 non-federal Superfund sites, is it correct that 63 percent of the sites were construction complete as of September 30, 1998, and by the end of this Congress 100 percent of the sites are expected to have all final remedies selected and 89 percent of the sites will be construction complete?

Missouri -- For the 19 non-federal Superfund sites, is it correct that 63 percent of the sites were construction complete as of September 30, 1998, and by the end of this Congress 89 percent of the sites are expected to have all final remedies and 74 percent of all sites are expected to be construction complete?

Louisiana -- With the exception of the Delatte Metals site which was added to the National Priorities List in January 1999, is it correct that by the end of this Congress 100 percent of the Louisiana Superfund sites will have all final cleanup remedies selected and 86 percent of the sites will be construction complete?

New Mexico -- With the exception of the North Railroad Avenue Plume site which was added to the National Priorities List in January 1999, is it correct that by the end of this Congress 100 percent of the New Mexico Superfund sites will have all final cleanup remedies selected and 100 percent of the sites will be construction complete?

Oklahoma -- With the exception of the Tulsa Fuel and Manufacturing site which was added to the National Priorities List in January 1999, is it correct that by the end of this Congress 100 percent of the Superfund sites in Oklahoma will have all final cleanup remedies selected and 78 percent of the sites are projected to be construction complete?

Pennsylvania -- With the exception of the Sharon Steel Corporation (Farrell Works Disposal Area) site which was listed on the National Priorities List in March 1998, is it correct that by the end of this Congress 97 percent of the Pennsylvania Superfund sites are projected to have all final cleanup remedies selected and 65 percent of the sites are projected to be construction complete?

4. During your testimony, you stated that at more than 160 Superfund sites major reuse, either economic or recreational, or other beneficial uses are occurring at sites that are either construction complete or have remedial construction activities ongoing. Please provide a list of those sites by state and location and describe the type of beneficial reuse activity.
5. Please provide for the record the documentation which supports your testimony that the time it takes a site to go through the Superfund process from site listing to completion has been reduced by two years.
6. Please provide a year-by-year breakout of the number of sites that have achieved construction complete status since the start of the Superfund program.
7. During your testimony a Member of the Subcommittee stated as follows:

"I mean, so we are down to this: we have got, roughly, 1,400 sites that

have been listed on the NPL; the EPA has already instituted enforcement actions on about 200 of them. That leaves you with a potential to begin enforcement action on 1,200 new actions, if you wanted to.”

Please indicate if the above information is accurate and, if not, please provide the accurate information on the number of sites where enforcement actions have been instituted with a separate breakout of the 1,225 non-federal facilities and the 162 federal facilities that have been listed as final NPL sites. Please also indicate the number of remaining sites which the Agency believes have no financially viable potentially responsible parties.

8. Mr. Guerrero of the General Accounting Office (GAO) testified that one of the reasons that GAO has maintained Superfund on the high-risk list is because “EPA has not charged responsible parties for certain costs of operating the cleanup program, mainly indirect program costs such as personnel and facilities.” Please indicate what action EPA is taking to address this GAO concern and estimate the amount of recoverable costs that are at issue.
9. Another one of Mr. Guerrero’s stated concerns is the absence of a priority system to assure that sites posing the greatest risk are admitted to the program in the first place. Mr. Guerrero further stated that “because EPA does not usually track the stages of cleanup that take place outside of the Superfund program, EPA does not know if the States are addressing the worst sites.”

However later in his testimony Mr. Guerrero indicated that “... the future Superfund sites will not necessarily be the most risky, but rather, those that the States find to be large, complex, and therefore, costly, or those without responsible parties willing and able to pay for the cleanups.”

Please comment on Mr. Guerrero’s testimony with respect to whether risk will be the principal criteria for future listings. Also please indicate whether EPA officials have had any discussions with the States with respect to creating a tracking system for state sites and, if so, describe the response of the States.

In commenting on the issue of the type of site that will likely be listed on the NPL in the future, please also consider and respond to the testimony of Ms. Kerbawy on behalf of ASTSWMO who stated:

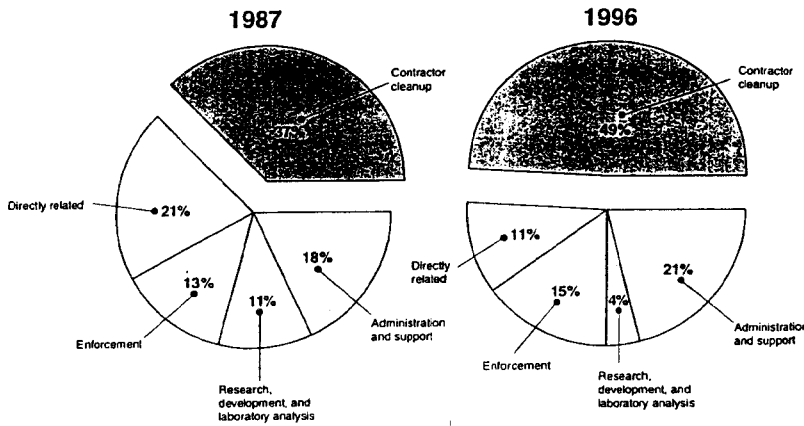
“The NPL is no longer reserved for the worst of the worst sites. Rather, the NPL has shifted to a venue for remediating serious sites which require Federal resources.”

10. Ms. Kerbawy testified that “one of the major issues at the brownfields sites is, not only that EPA might come in, but that there would be third-party contribution actions that could be taken against new owners of the site that, you know, are essentially innocent parties.”

Do you agree that the liability limitation on response costs for bona fide prospective purchasers such as those contained in H.R. 1120 introduced in the 105th Congress would prevent any third party contribution actions against a new owner who is a bona fide prospective purchaser?

11. Mr. Guerrero, in his prepared testimony, stated that “our analysis indicates that the direct costs of cleaning up sites that is, the costs incurred by cleanup contractors working on a site, represent less than half of the spending on the program.”
 - a. Is it correct that GAO’s September 1997 report shows that in 1996, 49 percent of spending was for contractor cleanup and another 11 percent were “directly related” expenditures? (See attached figure.)

Figure 2: Changes in the Composition of Superfund Spending, Fiscal Years 1987 and 1996




- b. Is it also correct that the 15 percent of expenditures GAO attributes to the enforcement program are responsible for 70 percent of the actual site cleanups by private parties?
- c. Administrator Browner has testified that 71.8 percent of the money being spent in EPA's budget goes to cleanup, not 49 percent. Please explain in detail the differences between the GAO's 49 percent and 60 percent figures and Administrator Browner's 71.8 percent and describe why you believe each of the expenditures that comprise the difference are properly attributable to cleanup.


12. During the Subcommittee hearing another GAO official, Mr. Barchok, testified that the GAO is analyzing how much of the Superfund expenditures are site-specific and indicated that for the enforcement category the "current work is showing that, roughly about 50 percent of that is site-specific and about 50 percent of the expenditures in that category are non-site-specific, administrative in nature."

Please provide an analysis performed by EPA using a site-specific categorization of Superfund expenditures and separately describe the expenditures which the Agency believes should be included in a category described as "administrative in nature." Please describe the reasons why each type of expenditure is put in a site-specific category.

Please provide a timely response so these materials can be included in the record of the Subcommittee's hearing of March 23, 1999.

Sincerely,


 JOHN D. DINGELL
 RANKING MEMBER
 COMMITTEE ON COMMERCE


 EDOLPHUS TOWNS
 RANKING MEMBER
 SUBCOMMITTEE ON FINANCE
 AND HAZARDOUS MATERIALS



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

JUN 9 1999

OFFICE OF
SOLID WASTE AND EMERGENCY RESPONSE

Honorable John D. Dingell
Ranking Member
Committee on Commerce
U.S. House of Representatives
Washington, D.C. 20515--6115

Dear Congressman Dingell:

This is to reply to your April 12, 1999 request for information relating to my testimony of March 23, 1999 before the House Commerce Committee, Subcommittee on Finance and Hazardous Materials. That testimony concerned the U.S. Environmental Protection Agency's (EPA's) Superfund program. Please note that where your questions concern projections of estimated completions of site construction, my responses are based upon current information and prioritization of sites. Many factors, including the discovery of new sites that pose greater risks, may alter these projections.

Responses to April 12, 1999 Questions

Question 1:

During your testimony, you indicated that EPA has worked with the Agency for Toxic Substances and Disease Registry (ATSDR) to evaluate health impacts of Superfund sites. Please provide for the record a complete summary of the health effects studies that have been performed by ATSDR at Superfund sites. In addition, please provide for the record a listing by state and location of the 5,600 emergency response actions that have been taken to address release of hazardous substances.

Response to Question 1:

Attachment 1 is a summary of sites where ATSDR has performed health studies.
Attachment 2 is a list of removal actions taken under the Superfund program.

Question 2:

During your testimony, you stated that 'out of the 35 Ohio NPL sites, we intend to have 33 of 35 sites with construction completed or underway at the end of this Congress.' Please provide a more detailed description of the cleanup and enforcement status of each of the 32 non-federal sites as of April 1, 1999, and of the expected cleanup progress as of the end of the Congress. Are there any non-federal sites in Ohio where the final record of decision for the site will be selected after the end of this Congress? If so, please identify the site and indicate whether the state or federal government has the lead at the site and the date the final cleanup remedy will be selected.

Of the 32 non-federal sites, please identify any that will not have remedial construction underway as of the end of this Congress and indicate the circumstances at the site and the projected date of the start of remedial construction.

For the three federal facilities, please indicate the status of remedy selection and construction activities at the site.

Response to Question 2:

Attachment 3 contains the specific site summaries.

CERCLIS planning data, which is subject to change, reflects one non-federal NPL site with a planned date for final record of decisions after the end of the 106th Congress. The site is:

Name	Planned Date for remedy selection	Lead
North Sanitary Landfill	1st Quarter FY 2003	State Enforcement

According to this data there are two sites with planned remedial construction start dates after the end of the 106th Congress. The sites are:

Name	Projected R.A. Start Date	Site Status
Nease Chemical	4th quarter of FY 2002	Study Underway
North Sanitary Landfill - Dayton	3rd quarter of FY 2004	Study Underway

With respect to the three federal facilities, their status is as follows:

Name	Status of Remedy Selection	Site Status
Feed Materials Production Center (USDOE)	Final ROD complete in FY96	Construction Underway
US DOE Mound Plant	Final ROD planned 1st quarter FY07	Construction Underway
US Air Force Wright-Patterson AFB	Final ROD planned 4th quarter FY99	Construction Underway

Question 3:

Please verify the accuracy of the status of cleanups for the following states:

(EPA's responses follow each state-specific query. All data are as of April 7, 1999 from EPA's CERCLIS database and for each state excludes sites as requested. The planning data is based on activities scheduled for completion through the end of the 1st quarter of FY 2001.)

Iowa - For the 19 non-federal Superfund sites, is it correct that 63 percent of the sites were construction complete as of September 30, 1998, and by the end of this Congress 100 percent of the sites are expected to have all final remedies selected and 89 percent of the sites will be construction complete?

Yes, 19 non-federal sites were construction complete as of September 30, 1998.

According to CERCLIS planning data, which is subject to change, 100% of the sites are expected to have all final remedies selected, and 89% of the sites are expected to be construction complete by the end of the 106th Congress.

Missouri - For the 19 non-federal Superfund sites, is it correct that 63 percent of the sites were construction complete as of September 30, 1998, and by the end of this Congress 89 percent of the sites are expected to have all final remedies selected and 74 percent of the sites will be construction complete?

There are 20 non-federal Superfund sites in Missouri. As of September 30, 1998, 60 percent of the sites were construction complete. According to CERCLIS planning data, which is subject to change, 90% of the sites are expected to have all final remedies selected and 70% of the sites are expected to be construction complete by the end of the 106th Congress.

Louisiana - With the exception of the Delatte Metals site which was added to the National Priorities List in January 1999, is it correct that by the end of this Congress 100 percent of Louisiana Superfund sites are expected to have all final remedies selected and 86 percent of the sites will be construction complete?

According to CERCLIS planning data, which is subject to change, we estimate 92% of the sites are expected to have all final remedies selected and 80% of the sites are expected to be construction complete by the end of the 106th Congress.

New Mexico - With the exception of the North Railroad Avenue Plume site which was added to the National Priorities List in January 1999, is it correct that by the end of this Congress 100 percent of New Mexico Superfund sites are expected to have all final remedies selected and 100 percent of the sites will be construction complete?

According to CERCLIS planning data, which is subject to change, 100% of the sites are expected to have all final remedies selected and 86% of the sites are expected to be construction complete by the end of the 106th Congress.

Oklahoma - With the exception of the Tulsa Fuel and Manufacturing site which was added to the National Priorities List in January 1999, is it correct that by the end of this Congress 100 percent of Oklahoma Superfund sites are expected to have all final remedies selected and 78 percent of the sites will be construction complete?

Yes, according to CERCLIS planning data, which is subject to change, 100% of the sites are expected to have all final remedies selected and 78% are expected to be construction complete by the end of the 106th Congress.

Pennsylvania - With the exception of the Sharon Steel Corporation (Farrell Works Disposal Area) site which was added to the National Priorities List in March 1998, is it correct that by the end of this Congress 97 percent of Pennsylvania Superfund sites are expected to have all final remedies selected and 65 percent of the sites will be construction complete?

Yes, according to planning data in CERCLIS, subject to change, 98% of the sites are expected to have all final remedies selected by the end of the 106th Congress, and 67% of the sites are expected to be construction complete by the end of the 106th Congress.

Question 4:

During your testimony, you stated that at more than 160 Superfund sites major

reuse, either economic or recreational, or other beneficial uses are occurring at sites that are either construction complete or have remedial construction activities ongoing. Please provide a list of those sites by state and location and describe the type of beneficial reuse activity.

Response to Question 4:

Attachment 4 is a list of those sites and their current use.

Question 5:

Please provide for the record documentation which supports your testimony that the time it takes a site to go through the Superfund process from site listing to completion has been reduced by two years.

Response to Question 5:

That Information is contained in Attachment 5.

Question 6:

Please provide a year-by-year breakout of the number of sites that have achieved construction completion status since the start of the Superfund program.

Response to Question 6:

That information is contained in Attachment 6.

Question 7:

During your testimony a Member of the Subcommittee stated as follows:

'I mean, so we are down to this: we have got, roughly, 1,400 sites that have been listed on the NPL; the EPA has already instituted enforcement actions on about 200 of them. That leaves you with a potential to begin enforcement action on 1,200 new actions, if you wanted to.'

Please indicate if the above information is accurate and, if not, please provide the accurate information on the number of sites where enforcement actions have been instituted with a separate breakout of the 1,225 non-federal facilities and the 162 federal facilities that have been listed as final NPL sites. Please also indicate the number of remaining sites which the Agency believes have no financially viable potentially responsible parties.

Response to Question 7:

I want to clarify that the information quoted above is incorrect. To date, at the 1,225 non-Federal facility sites on the NPL, EPA has initiated or completed 3,501 enforcement actions/settlements to initiate a response action and/or recover EPA's past costs at 944 (77%) of the final or deleted non-Federal facility NPL sites. In addition, for the non-Federal NPL sites that are not yet construction complete, we have initiated or completed 1,987 enforcement actions/settlements for response actions and/or cost recovery of past costs at 481 of the non-construction complete, non-Federal NPL sites.

In addition, of the remaining 281 non-Federal NPL sites at which there has been no Federal enforcement, we believe, based on current information, that 27 (9%) of those sites have no viable PRPs. In addition, while there may be sites where there have been no Federal enforcement actions, a number of the sites are being cleaned up under State enforcement authorities.

Finally, of the 162 Federal facility sites on the final NPL (including deleted sites), EPA has entered into Federal Facility Inter-agency Agreements (IAGs) under Section 120 of CERCLA at 136 (84%) of those sites.

Question 8:

Mr. Guerrero of the General Accounting Office (GAO) testified that one of the reasons that GAO has maintained Superfund on the high-risk list is because 'EPA has not charged responsible parties for certain costs of operating the cleanup program, mainly indirect program costs such as personnel and facilities.' Please indicate what action EPA is taking to address this GAO concern and estimate the amount of recoverable costs that are at issue.

Response to Question 8:

In accordance with the new government cost accounting standards (FASAB Statement #4, July 1995), EPA has developed a revised indirect cost accounting methodology that will increase the amount of indirect costs that are potentially recoverable. The new methodology is being reviewed internally and by the Department of Justice and has been provided to the U.S. General Accounting Office for review and comment. Because of the high probability that the new methodology will be challenged in court, EPA has engaged a major accounting firm to conduct an additional review. EPA expects to begin using the new methodology during the first quarter of FY2000. The new methodology is expected to allocate an additional \$629 million of existing indirect costs to sites where there is potential for further cost recovery. The new methodology will also alleviate this issue in the future by allocating all indirect costs to sites for possible recovery.

EPA previously attempted to address this subject in a 1992 proposed rule covering the indirect rates for cost recovery and several other issues. EPA later withdrew the proposed rule for a variety of reasons, including extreme opposition from commentors.

Question 9:

Another one of Mr. Guerrero's stated concerns is the absence of a priority system to assure that sites posing the greatest risk are admitted to the program in the first place. Mr. Guerrero further stated that 'because EPA does not usually track the stages of cleanup that take place outside of the Superfund program, EPA does not know if the States are addressing the worst sites.' However later in his testimony Mr. Guerrero indicated that '...the future Superfund sites will not necessarily be the most risky, but rather, those that the States find to be large, complex, and therefore, costly, or those without responsible parties willing and able to pay for the cleanups.' Please comment on Mr. Guerrero's testimony with respect to whether risk will be the principal criteria for future listings. Also please indicate whether EPA officials have had any discussions with the States with respect to creating a tracking system for state sites and, if so, describe the response of the States.

In commenting on the issue of the type of site that will likely be listed on the NPL in the future, please also consider and respond to the testimony of Ms. Kerbawy on behalf of ASTSWMO who stated:

'The NPL is no longer reserved for the worst of the worst sites. Rather, the NPL has shifted to a venue for remediating serious sites which require Federal resources.'

Response to Question 9:

Regarding Mr. Guerrero's statement about the absence of a system for ranking NPL candidates based on risk, EPA does not believe that a change in the current approach is

warranted. That approach identifies the highest priority sites based on risks using the Hazard Ranking System. The EPA regional offices then choose NPL candidates among those "worst sites" using qualitative evaluations of risk; generally speaking NPL decisions are made well before risk assessments are conducted. Also, in consultation with the States, the Agency takes into account whether the site is being adequately addressed by other means, such as State sanctioned responses, voluntary cleanup, or through some other mechanisms. EPA wants to avoid duplication of work and needs to conserve resources for response actions that cannot be effected without Federal involvement. This approach also lends the maximum leverage to States by supporting their cleanup efforts. After this consultation with the State Agency, the EPA regional office seeks the governor's concurrence before proposing the site to the NPL. This approach, of course, grew out of a Congressionally mandated requirement for the governors' concurrence.

Certainly, the effect of this approach is to direct more of the complex and difficult high risk problems to the Federal program, leaving the simpler, less expensive problems and those with more cooperative private parties to the States. We would not, however, accept as an interpretation of Ms. Kerbawy's statement, "The NPL is no longer reserved for the worst of the worst sites..." that EPA is now putting lower risk sites on the NPL. To the contrary, the NPL sites we are listing today continue to present significant threats to public health and the environment.

We are also beginning to systematically discuss with the States the status of sites awaiting NPL decisions, at least partly as a result of the recent GAO report on that group of sites. We are discussing options with States for how they can provide cleanup status to EPA with a minimum expenditure of resources. We do expect to identify in CERCLIS those sites that are undergoing State cleanups, and expect to maintain those CERCLIS listings until the sites have been adequately cleaned up.

Question 10:

Mrs. Kerbawy testified that 'one of the major issues at the brownfields site is, not only that EPA might come in, but that there would be third-party contribution actions that could be taken against new owners of the site that, you know, are essentially innocent parties.'

Do you agree that the liability limitation on response costs for bona fide prospective purchasers such as those contained in H.R. 1120 introduced in the 105th Congress would prevent any third party contribution actions against a new owner who is a bona fide prospective purchaser?

Response to Question 10:

EPA agrees that the liability limitation on response costs for bonafide prospective purchasers, such as those contained in H.R. 1120 introduced in the 105th Congress, would prevent third party contribution actions against a new owner who is a bonafide prospective purchaser. Under the proposed liability limitation, any person whose liability is based solely on CERCLA § 107(a)(1) (a current owner or operator) shall not be liable under the Act if the person is a bonafide prospective purchaser, as defined, and does not impede the clean up. Part of the definition of a bonafide prospective purchaser requires that the person has inquired into the previous ownership and uses of the facility and exercised appropriate care with respect to hazardous substances found. A person who is not liable under the Act will therefore not be liable pursuant to § 107(a)(4)(B) for "any other necessary costs of response incurred by any other person consistent with the national contingency plan." Thus, the purchaser will be shielded from contribution claims. The proposed liability limitation does grant the United States a "Windfall Lien" on the facility for an amount not to exceed the increase in property value attributed to the response work. This lien is explicitly given to the United States and not provided more generally to any parties that may have unrecovered costs.

Question 11:

Mr. Guerrero, in his prepared testimony, stated that 'our analysis indicates that the direct costs of cleaning up sites that is, the costs incurred by cleanup contractors working on a site, represent less than half of the spending on the program.'

- a. **Is it correct that GAO's September 1997 report shows that in 1996, 49 percent of spending was for contractor cleanup and another 11 percent were 'directly related' expenditures" (See attached figure.)**
- b. **Is it also correct that the 15 percent of expenditures GAO attributes to the enforcement program are responsible for 70 percent of the actual site cleanups by private parties?**
- c. **Administrator Browner has testified that 71.8 percent of the money being spent in EPA's budget goes to cleanup, not 49 percent. Please explain in detail the differences between the GAO's 49 percent and 60 percent figures and Administrator Browner's 71.8 percent and describe why you believe each of the expenditures that comprise the difference are properly attributable to cleanup.**

Response to Question 11:

11a: EPA paid nearly \$700 million to contractors to conduct cleanup-related activities in 1996. However, EPA considers that cleanup response comprises numerous activities, including site-and non-site specific activities, that directly support cleanups. EPA estimates that approximately 70% of its annual budget is obligated for cleanup response. The assertion that "contractor cleanup costs" describe the extent of EPA's cleanup activity neglects many key components of the cleanup process such as lab analysis, engineering and technical analyses, project manager salaries, State/Tribal activities, community involvement activities, and many other activities that may not be site-specific, but are necessary to achieve cleanups. This assertion also neglects the accomplishments of the Agency's and DOJ's enforcement efforts, which over the life of the Superfund program, have resulted in settlements valued at approximately \$15.5 billion.

11b: The funds that EPA obligates for Superfund enforcement have a significant impact on actual site cleanups. Under the enforcement program, responsible parties are performing or funding approximately 70% of Superfund long-term cleanups.

In FY 1998, the Agency reached settlements with PRPs valued at over \$1 billion (\$806 million in response settlements and \$230 million in cost recovery settlements) for NPL and non-NPL sites. EPA's FY 1998 enforcement obligations (including DOJ obligations) were \$173.5 million. The resulting ratio of approximately 6 to 1 indicates that PRPs have committed approximately \$6 for every dollar obligated for Superfund enforcement. This ratio varies from year to year for a variety of reasons, such as the number and/or value of the settlements completed in a given year.

Over the life of the Superfund Program, the Agency reached settlements with an estimated value of \$15.5 billion (\$13.1 billion in response settlements and \$2.4 billion in cost recovery settlements) for NPL and non-NPL sites. EPA's enforcement obligations over this period were approximately \$2.3 billion. The resulting ratio of approximately 7 to 1 indicates that PRPs have committed \$7 for every dollar obligated for Superfund enforcement.

11c: In 1996, EPA allocated 71.8 percent of its Superfund budget to Cleanup/Response activities. These are activities that directly support EPA's efforts to achieve site cleanups, and obligations may be site or non-site specific. Activities within this category include:

site assessment, remedial investigations and feasibility studies, remedial design, laboratory analysis, remedial action, interagency agreements with the US Army Corps of Engineers and the US Bureau of Reclamation, brownfields, response management, early actions, State/Tribal involvement, community involvement, Federal facilities, technology innovation, chemical emergency preparedness and prevention, salaries/expenses, research and development technical support, and air monitoring.

Question 12:

During the Subcommittee hearing another GAO official, Mr. Barchok, testified that the GAO is analyzing how much of the Superfund expenditures are site-specific and indicated that for the enforcement category the 'current work is showing that, roughly about 50 percent of that is site-specific and about 50 percent of the expenditures in that category are non-site-specific, administrative in nature.'

Please provide an analysis performed by EPA using a site-specific categorization of Superfund expenditures and separately describe the expenditures which the Agency believes should be included in a category described as 'administrative in nature.' Please describe the reasons why each type of expenditure is put in a site-specific category.

Response to Question 12:

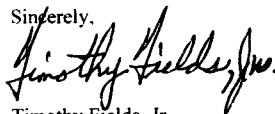
We have reviewed the expenditure data for FY 1997 and FY 1998. Although the average expenditure rate during that period was approximately 54% site-specifically charged, the range is from a high of almost 65% in 1998 to slightly over 43% in 1997. Much of the variation from year to year can be attributed to technical accounting adjustments.

We do not view any portion of the enforcement charges of slightly over \$200 million in each of these years as "administrative in nature." Each of the charges, whether site-specific or non-site specific, identified in the attached action codes are Direct Superfund Enforcement charges. These resources have been used to achieve a PRP response rate of approximately 70% of all new remedial work, in recent years. This translates into an estimated \$1 billion annually in PRP cleanup expenditures. In short, the resources utilized by the enforcement program leverages most of the site cleanups we are seeing today. Those Superfund charges which are "administrative in nature" show up in the Agency's budget under Management and Administration.

Conclusion

Thank you for the opportunity to appear before the Subcommittee to discuss the challenges, and accomplishments, of EPA's Superfund program. Please let me know if I can provide any additional information.

Sincerely,



Timothy Fields, Jr.
Acting Assistant Administrator

Enclosures

Attachment I



Public Health Assessments

ATSDR's public health assessments are being converted to Hypertext Markup Language (HTML) format to make them available to the public over the Internet. The health assessments of the Fiscal Year (FY) 1996 were converted to HTML first, followed by those from previous years. Only health assessments from FY 1996, and FY 1995, are now available. The public health assessments are organized according to the ATSDR regions where they originated.

For more information on the health assessment process, please read the [Foreword](#). To retrieve a public health assessment, click on the region of your choice, and you will see the list of health-assessments currently available from that region. The listings are in alphabetical order, by state.

In the HTML version, each public health assessment has been divided into four or more portions for facilitating reduced downloading time. The groupings of different sections of the document correspond roughly to an "Introduction" section, an "Evaluation" section, a "Conclusions" section, and an "Appendices" section.

Please send comments and suggestions to [Bill Henriques](#), DHAC, ATSDR. Email: wdh2@cdc.gov.

Foreword - About Public Health Assessments

Keyword Search of All Public Health Assessments

Browse Public Health Assessments by Region

Region 1

CONNECTICUT

Barkhamsted-New Hartford Landfill
Barkhamsted, Litchfield County

Connecticut Correctional Institution (a/k/a Somers Correctional Facility)
Somers, New Haven County

Former Clock Factories
Bristol (Hartford County), New Haven (New Haven County),
Thomaston (Litchfield County), and Waterbury (New Haven County)

Hartford Landfill
Hartford, Hartford County

Landmark Farm and Garden, Incorporated
North Haven, New Haven County

Linemaster Switch Corporation
Woodstock, Windham County

Old Southington Landfill
Southington, Hartford County

Raymark Industries
Stratford, Fairfield County

Revere Textile Prints Corporation
Sterling, Windham County

Starr Property
Enfield, Hartford County

U.S. Naval Submarine Base New London
Groton, New London County

MAINE

West Site Hows Corner
Plymouth, Penobscot County

MASSACHUSETTS

Blackburn and Union Privileges
Walpole, Norfolk County

Groveland Wells
Groveland, Essex County

Hocomonco Pond
Westborough, Worcester County

Industri-Plex
Woburn, Middlesex County

Iron Horse Park
Billerica, Middlesex County

Natick Laboratory Army Research
Natick, Middlesex County

New Bedford Site
New Bedford, Bristol County

Nyanza Chemical Waste Dump
Ashland, Ashland County

PSC Resources
Palmer, Hampden County

Rock Avenue 21-E Dump
Winchester, Middlesex County

Silresim Chemical Corporation
Lowell, Middlesex County

Sullivan's Ledge
New Bedford, Bristol County

U.S. Army Materials Technology Laboratory
Watertown, Middlesex County

Wells G and H
Woburn, Middlesex County

Wompatuck State Park
Hingham, Plymouth County

NEW HAMPSHIRE

Beede Waste Oil
Plaistow, Rockingham County

Dover Municipal Landfill
Dover, Strafford County

New Hampshire Plating Company
Merrimack, Hillsborough County

Savage Municipal Water Supply (Interim)
Milford, Hillsborough County

Somersworth Municipal Landfill
Somersworth, Strafford County

Tibbetts Road
Barrington, Strafford County

RHODE ISLAND

West Kingston Town Dump and University of Rhode Island (Plains Rd) Disposal Area (URI)
South Kingston, Washington County

VERMONT

None available currently.

Region 2**NEW JERSEY**

A. O. Polymer
Sparta Township, Sussex County

Bridgeport Rental and Oil Service
Logan Township, Gloucester County

Bridgeton City Landfill
Bridgeton, Cumberland County

CPS Chemical/Madison Industries
Old Bridge Township, Middlesex County

Curcio Scrap Metal
Saddle Brook Township, Bergen County

Delilah Road
Egg Harbor Township, Atlantic County

Garden State Cleaners and South Jersey Clothing Company
Minotola, Atlantic County

Global Landfill
Old Bridge, Middlesex County

Grand Street Mercury Site
Hoboken, Hudson County

Horseshoe Road
Savreville, Middlesex County

Jackson Township Landfill
Jackson Township, Ocean County

M&T DeLisa Landfill
Ocean Township, Monmouth County

Mannheim Avenue Dump Site
Galloway Township, Atlantic County

Montclair/ West Orange Radium
Montclair/ West Orange, Essex County

Pomona Oaks Well Contamination
Galloway Township, Atlantic County

Savreville Landfill
Savreville, Middlesex County

Tabernacle Drum Dump
Tabernacle Township, Burlington County

NEW YORK

Batavia Landfill
Batavia, Genesee County

C & J Disposal
Town of Eaton, Madison County

Carroll and Dubies Sewage Disposal
Port Jervis, Orange County

Circuitron Corporation
Farmingdale, Nassau County

Colesville Municipal Landfill
Colesville, Broome County

Endicott Village Wellfield (a/k/a Rannv Well)
Endicott, Broome County

Facet Enterprises
Elmira, Chemung County

Genzale Plating Company
Franklin, Nassau County

Griffiss Air Force Base
Rome, Oneida County

Hertel Landfill
Plattekill, Ulster County

Hooker Chemical/Ruco Polymer
Hicksville, Nassau County

Hooker - 102nd Street
Niagara Falls, Niagara County

Islip Municipal Sanitary Landfill (a/k/a Blydenburgh Road Landfill)
Hauppauge, Suffolk County

Johnstown City Landfill
Johnstown, Fulton County

Jones Chemical, Inc.
Caledonia, Livingston County

Lj Tungsten Corporation
Glen Cove, Nassau County

Mattiace Petrochemical
City of Glen Cove, Nassau County

Niagara County Refuse
Town of Wheatfield, Niagara County

Onondaga Lake
Syracuse, Onondaga County

Pasley Solvents & Chemicals Inc.
Garden City, Nassau County

Pfohl Brothers Landfill
Cheektowaga, Erie County

Pollution Abatement Services (PAS)
City of Oswego, Oswego County

Port Washington Landfill
North Hempstead, Nassau County

Preferred Plating Corporation
East Farmingdale, Suffolk County

Ramapo Landfill
Ramapo, Rockland County

Robintech Inc./ National Pipe Co.
Vestal, Broome County

Rosen Site (a/k/a Rosen Brothers Site)
Cortland, Cortland County

Rowe Industries Groundwater Contamination
Sag Harbor, Suffolk County

Rowe Industries Groundwater Contamination
Sag Harbor, Suffolk County

Sarnev Farm
Amenia, Dutchess County

Sealand Restoration
Lisbon, St. Lawrence County

Sinclair Refinery
Town of Wellsville, Allegany County

Solvent Savers
Lincolna, Chenango County

Svosset Landfill
Oyster Bay, Nassau County

Tri-Cities Barrel Company, Inc.
Fenton, Broome County

PUERTO RICO

Fibers Public Supply Wells
Jabos, Guayama County

Frontera Creek
Rio Abajo, Humacao County

V&M/Albaladejo Norte Ward
Vega Baja, Vega Baja County

Vega Baja Solid Waste Disposal
Rio Abajo Ward/La Trocha, Vega Baja County

VIRGIN ISLANDS

Bovoni Dump
St. Thomas, St. Thomas County

Tutu Wellfield
St. Thomas, St. Thomas County

Sites in Bluefield and Vicinity
Mercer County

Region 3

DELAWARE

Koppers Company Facilities Site
Newport, New Castle County

MARYLAND

Limestone Road Site
Cumberland, Allegany County

Mid-Atlantic Wood Preservers
Harmans, Anne Arundel County

Naval Air Station Patuxent River
St. Mary's County

Naval Surface Warfare Center, Indian Head Division (NSWC-IHDIV)
(a/k/a Indian Head Naval Surface Warfare Center)
Indian Head, Charles County

Ordnance Products, Incorporated
Northeast, Cecil County

Sand Gravel and Stone
Elkton

Southern Maryland Wood Treating National Priorities List (NPL) Site
Hollywood, St. Mary's County

Spectron Incorporated (a/k/a Galaxy Incorporated)
Elkton, Cecil County

PENNSYLVANIA

Avco Lycoming-Williamsport Division
Williamsport, Lycoming County

Bell Landfill
Wyalusing - Terry Township, Bradford County

BresLube-Penn Inc. Superfund Site
Moon Township, Allegheny County

Butz Landfill
Jackson Township, Monroe County

C&D Recycling
Freeland, Luzerne County

Cabot-Wrought Products
Muhlenberg, Berks County

Crater ResourcesKing of Prussia, Montgomery CountyCryo-Chem Inc.Worman Township, Bovertown, Berks CountyDublin Water SupplyDublin, Bucks CountyFalls Township Groundwater Contamination(a/k/a CORCO Chemical, Parascientific, Meenan Oil)Falls Township, Bucks CountyFoot Mineral CompanyFrazer, Chester CountyHebelka Auto Salvage YardWeisenburg Township, Lehigh CountyLetterkenny Army Depot, USA Letterkenny Southeast Area, and USA Letterkenny - PropertyDisposal Office AreaChambersburg, Franklin CountyMalvern TCE SiteMalvern, Chester CountyMcAdoo AssociatesMcAdoo, Schuylkill CountyMetropolitan Mirror and Glass Company, IncorporatedFrackville, Schuylkill CountyModern Sanitation LandfillYork, York CountyNorth Penn - Area 1Souderton, Montgomery CountyPalmerton Zinc PilePalmerton, Carbon CountyResin Disposal SiteJefferson Borough, Allegheny CountyRevere Chemical CompanyNockamixon, Bucks CountyRodale Manufacturing Company, Inc.Emmaus, Lehigh CountySalford QuarryLower Salford Township, Montgomery CountySharon Steel CorporationFarrell, Mercer CountyStrasburg LandfillNewlin Township, Chester CountyTobyhanna Army DepotCoolbaugh Township, Monroe CountyUGI Columbia Gas PlantColumbia, Lancaster County**VIRGINIA**Sites in Bluefield and VicinityTazewell County

C&R Battery Company, Inc.
Richmond, Chesterfield County

Fort Eustis (US Army)
Newport News, Newport News County

First Piedmont Rock Quarry
Beaver Park

USAF Langley Air Force Base/Nasa-Langley Research Center
Hampton, York County

U.S. Defense General Supply Center
Richmond, Chesterfield County

WASHINGTON, D.C.

None available currently.

WEST VIRGINIA

Sites in Bluefield and Vicinity
Mercer County

Hanlin-Allied-Olin
Moundsville, Marshall County

Sharon Steel Corporation (Fairmont Coke Works)
Fairmont, Marion County

Region 4

ALABAMA

Alabama Army Ammunition Plant
Talladega County

B & B Manufacturing
Mobile, Mobile County

Brewton Sites
Brewton, Escambia County

Monarch Tile
Florence, Lauderdale County

T.H. Agriculture and Nutrition/Montgomery Plant Site
Montgomery, Montgomery County

Uniontown Carbon Black Facility
Uniontown, Perry County

USA Anniston Army Depot
Bynum, Calhoun County

FLORIDA

Agrico Chemical Company
Pensacola, Escambia County

Broward County - 21st Manor Dump
Ft. Lauderdale, Broward County

Chevron Chemical Company (Ortho Division)
Orlando, Orange County

Escambia Wood- Pensacola
Pensacola, Escambia

Florida Petroleum Reprocessors
Davie, Broward County

Hipps Road Landfill
Jacksonville, Duval County

Homestead Air Force Base
Homestead AFB, Dade County

Loxahatchee Nursery
Palm City, Martin County

MRI Corporation
Tampa, Hillsborough County

Munisport Landfill
North Miami, Dade County

Plymouth Avenue Landfill
Deland, Volusia County

GEORGIA

Basket Creek Surface Impoundment and Basket Creek Drum Disposal
Douglasville, Douglas County

Brunswick Wood Preserving
Brunswick, Glynn County

Old Douglas County Landfill
Douglasville, Douglas County

Southern Wood Piedmont Company
Augusta, Richmond County

Southern Wood Piedmont Company
Augusta, Richmond County

Southwire Company
Carrollton, Carroll County

KENTUCKY

Ashland Petroleum Company
Catlettsburg, Boyd County

National Electric Coil/Cooper Industries
Davhoit, Harlan County

National Southwire Aluminum Company
Hawesville, Hancock County

Rubbertown
Louisville, Jefferson County

MISSISSIPPI

Chemfax, Inc
Gulfport, Harrison County

Country Club Lake Estates
Hattiesburg, Forrest County

Potter Company
Wesson, Copiah County

NORTH CAROLINA

Caldwell Systems Incorporated
Lenoir, Caldwell County

Cherry Point Marine Corps Air Station
Cherry Point, Craven County

U.S. Marine Corps Camp Lejeune
Camp Lejeune, Onslow County

SOUTH CAROLINA

Carolawn
Fort Lawn, Chester County

Geiger (C & M Oil) Site
Rantowles, Charleston County

Cherokee County Landfill
Gaffney, Cherokee County

Golden Strip Septic Tank
Simpsonville, Greenville County

GSX Landfill
Pinewood, Sumter County

Helena Chemical Company Landfill
Fairfax, Allendale County

Kalama Specialty
Burton, Beaufort County

Koppers Company Inc./Florence Plant
Florence, Florence County

Laidlaw Environmental Services Facility
Roebuck, Spartanburg County

Leonard Chemical Company, Inc.
Catawba, York County

Medley Farms
Gaffney, Cherokee County

Palmetto Recycling, Incorporated
Columbia, Richland County

Palmetto Wood Preserving, Incorporated
Cavce, Lexington County

Para-Chem Southern, Inc.
Simpsonville, Greenville County

Rochester Property
Traveler's Rest, Greenville Report

Sangamo/Twelve-Mile Creek/Hartwell PCB
Pickens, Pickens County

USMC Marine Corps Recruit Depot (a/k/a Parris Island Marine Corps Recruit Depot)
Parris Island, Beaufort

TENNESSEE

ICG Iselin Railroad Yard
Jackson, Madison County

USA Defense Depot Memphis
Memphis, Shelby County

Region 5**ILLINOIS**

A & F Materials Reclaiming, Inc.
Greenup, Cumberland County

Acme Solvent Reclaiming
Winnebago, Winnebago County

Banner Western Disposal Service
Joliet, Will County

Belvidere Municipal Landfill #1
Belvidere, Boone County

Canton Industrial Corporation
Canton, Fulton County

Certain Teed Corporation
East St. Louis, St. Clair County

Childs Property
Alorton, St. Clair County

Cross Brothers Pail Recycling
Pembroke Township, Kankakee County

Danville H & L No. 1 Danville City Dump
Danville, Vermilion County

Decatur/Barding and Spawr Landfill
Decatur, Macon County

Double A Metals
Chicago, Cook County

DuPage County Landfill (Blackwell Forest Preserve)
Warrenville, DuPage County

Duquoin Gas Plant
Duquoin, Perry County

Gibraltar Manufacturing Company
East Alton, Madison County

H.O.D. Landfill
Antioch, Lake County

Ilda Energy Company
East Cape Girardeau, Alexander County

Jennison Wright Corporation
Granite City, Madison County

Kaney Transportation
Rockford, Winnebago County

Kaufman Landfill
Humboldt, Coles County

Lenz Oil Service Incorporated
Lemont, Cook County

Mason and Dixon Tank Lines Incorporated
Marshall, Clark County

Mervis Industries
Mattoon, Coles County

Old Lasalle Dump
Lasalle, LaSalle County

Ottawa Radiation Areas
Ottawa, LaSalle County

Outboard Marine Corporation
Waukegan, Lake County

Pagel's Pit
Rockford, Winnebago County

Ray Holtman Farm
Quincy, Adams County

St. Louis Refrigerator Car Company
Wood River, Madison County

Swift Agricultural Chemicals Fairmont City Plant
Fairmont, St. Clair County

Tri-County Landfill
South Elgin, Kane County

Union Mechling Company
Seneca, Grundy County

Velsicol Chemical
Marshall, Clark County

Wauconda Sand and Gravel
Wauconda, Lake County

Woodstock Municipal Landfill
Woodstock, McHenry County

Yeoman Creek and Edwards Field Landfills
Waukegan, Lake County

INDIANA

American Chemical Services Inc.
Griffith, Lake County

Bloomington PCB Sites - Volume 1
Bloomington, Monroe County and Spencer, Owen County

Bloomington PCB Sites - Volume 2
Bloomington, Monroe County and Spencer, Owen County

Bloomington PCB Sites - Volume 3
Bloomington, Monroe County and Spencer, Owen County

Carter-Lee Lumber Company
Indianapolis, Marion County

Enviro-Chem Corporation
Zionsville, Boone County

Fisher Calo
Kingsbury, La Porte County

Marion (Bragg) Dump
Marion, Grant County

Northside Sanitary Landfill
Zionsville, Boone County

Reilly Tar and Chemical Corporation (Indianapolis Plant)
Indianapolis, Marion County

U.S. Smelter and Lead Refinery, Inc.
(a/k/a USS Lead Refinery Inc.)
East Chicago, Lake County

Waste Inc. Landfill
Michigan Ctv, La Porte County

MICHIGAN

Albion-Sheridan Township Landfill
Sheridan Township, Calhoun County

Baycity Middlegrounds Landfill
Bay City, Bay County

Bofors-Nobel Incorporated
Egelston, Muskegon County

Duell and Gardner Landfill
Muskegon, Muskegon County

Ionia City Landfill
Ionia, Ionia County

Lower Ecorse Creek Dump
Wvandotte, Wayne County

Michigan Sites of Radium Dial Contamination:

Aircraft Components (Michigan Radiologic)
(a/k/a D & L Sales)
Benton Harbor, Berrien County

H & K Sales (Michigan Radiologic)
Belding, Ionia County

Organic Chemicals Incorporated
Grandville, Kent County

Ossineke Groundwater Contamination
Ossineke, Alpena County

Packaging Corporation of America
Filer City, Manistee County

South Macomb Disposal Authority #9, 9A
St. Clair Shores, Oakland County

Thermo Chem Incorporated
Muskegon, Muskegon County

Willow Run Sludge Lagoon
Ypsilanti, Washtenaw County

MINNESOTA

Reilly Tar and Chemical Corporation Site
St. Louis Park, Hennepin County

U.S. Air Force Twin Cities Reserve Small Arms Range
Minneapolis, Hennepin County

OHIO

Air Force Plant 85
Columbus, Franklin County

Buckeye Reclamation Landfill
St. Clairsville, Belmont County

Chem-Dyne Corporation
Hamilton, Butler County

Dover Chemical Corporation
Dover, Tuscarawas County

Fields Brook NPL Site
Ashtabula, Ashtabula County

Fultz Landfill
Bvesville, Guernsey County

Miami County Incinerator
Troy, Miami County

Nease Chemical
Salem, Columbiana County

North Sanitary Landfill - Davton
Davton, Montgomery County

Powell Road Landfill
Davton, Montgomery County

WISCONSIN

Delavan Municipal Well #4
Delavan, Walworth County

Kohler Company Landfill
Kohler, Sheboygan County

Madison Metropolitan Sewerage District Sludge Lagoons
Madison (Town of Blooming Grove), Dane County

Muskego Sanitary Landfill
Muskego, Waukesha County

Penta Wood Products
Town of Daniels, Burnett

Refuse Hideaway
Middleton, Dane County

Ripon City Landfill
Ripon, Fond du Lac County

Sauk County Landfill
Excelsior, Sauk County

Region 6

ARKANSAS

Hot Springs Mercury
Hot Springs, Garland County

Neon Plant Factory (a/k/a Texarkana Mercury and Neon)
Texarkana, Miller County

Popple, Incorporated
El Dorado, Union County

South 8th Street Landfill
West Memphis, Crittenden County

LOUISIANA

American Creosote Works
Winnfield, Winn Parish

Bavou Bonfouca
Slidell, St. Tammany Parish

Marine Shale Processors, Inc.
Amelia, St. Mary Parish

Petro-Processors of Louisiana, Incorporated
Baton Rouge, East Baton Rouge Parish

NEW MEXICO

AT & SF (Albuquerque)
Albuquerque, Bernalillo County

Cal West Metals (USSBA)
Lemitar, Socorro County

Rinchem Company Incorporated (Old Rinchem Incorporated)
Albuquerque, Bernalillo County

OKLAHOMA

Kerr-McGee Refinery Site
Cushing, Payne County

National Zinc Company
Bartlesville, Washington County

Oklahoma Refining Company
Cyril, Caddo County

Tinker Air Force Base (Soldier CR/Building 3001)
Midwest City, Oklahoma County

TEXAS

Air Force Plant #4 (General Dynamics)
Fort Worth, Tarrant County

Alcoa (Point Comfort)/ Lavaca Bay
Point Comfort, Calhoun County

Brio Refining, Inc.
Houston, Harris County

French Limited
Crosby, Harris County

Geneva Industries/Fuhrmann Energy
Houston, Harris County

Manv Diversified Interests, Inc.
Houston, Harris County

Odessa Super Site
Ector, Ector County

Pantex Plant
Amarillo, Carson County

RSR Corporation
Dallas, Dallas County

United Creosoting Company
Conroe, Montgomery County

Region 7

IOWA

Economy Products Company
Shenandoah, Page County

Fairfield Coal Gasification Plant
Fairfield, Jefferson County

Former Diller Battery
Des Moines, Polk County

Mason City Coal Gasification Plant
Mason City, Cerro Gordo County

Vogel Paint and Wax Company
Maurice, Sioux County

KANSAS

Ace Services Incorporated
Colby, Thomas County

MISSOURI

Armour Road Site
North Kansas City, Clay County

Big River Mine Tailings Desloge (a/k/a St. Joe Minerals)
Desloge, St. Francois County

St. Louis Airport
St. Louis, St. Louis County

Weldon Spring Site Remediation Action Project (Chemical Plant, Raffinate Pits, Quarry)
St. Charles, St. Charles County

Weldon Spring Training Area
Weldon Spring, St. Charles County

NEBRASKA

American Shizuki Corporation
Ogallala, Keith County

Bruno Coop & Associated Properties
Bruno, Butler County

Cleburn Street Well Site
Grand Island, Hall County

Sherwood Medical Company
Norfolk, Madison County

Region 8

COLORADO

Asarco Incorporated (Globe Plant)
Denver, Denver County

Hansen Containers
Grand Junction, Mesa County

Rocky Mountain Arsenal
Adams County

Smelertown/Koppers
Salida, Chaffee County

Summitville Mine
Del Norte, Rio Grande County

MONTANA

None available currently.

NORTH DAKOTA

None available currently.

SOUTH DAKOTA

Annie Creek Mine Tailings
Leade, Lawrence County

Williams Pipe Line Company
Sioux Falls, Minnehaha County

UTAH

Kennecott (North Zone)
Magna, Salt Lake County

Kennecott (South Zone)
Copperton, Salt Lake County

Monticello Mill Tailings (DOE) and Monticello Radioactively Contaminated Properties (a/k/a
Monticello Vicinity Properties)
Monticello, San Juan County

Murray Smelter
Murray, Salt Lake County

Ogden Defense Depot
Ogden, Weber County

Petrochem Recycling Corporation/Ekotek
Salt Lake City, Salt Lake County

WYOMING

None available currently.

Region 9

AMERICAN SAMOA

None available currently.

ARIZONA

Luke Air Force Base
Phoenix, Maricopa County

Phelps-Dodge Corp Douglas Reduction Works
Douglas, Cochise County

Williams Air Force Base
Mesa, Maricopa County

Yuma Marine Corps Air Station
Yuma, Yuma County

CALIFORNIA

Aerojet General Corporation - Arden Cordova Water Service Area
Rancho Cordova, Sacramento County

Aerojet General Corporation - Citizens Utilities' Suburban and Security Park Water Service Area
Rancho Cordova, Sacramento County

Aerojet General Corporation - Mather Air Force Base Water Service Area
Rancho Cordova, Sacramento County

El Toro Marine Corps Air Station
Santa Ana, Orange County

Fort Ord
Marina, Monterey County

Frontier Fertilizer
Davis, Yolo County

George Air Force Base
Victorville, San Bernardino County

Riverbank Army Ammunition Plant
Riverbank, Stanislaus County

Sacramento Army Depot
Sacramento, Sacramento County

Sola Optical USA, Inc.
Petaluma, Sonoma County

Naval Station Treasure Island
Hunters Point Annex, San Francisco County

T. H. Agriculture and Nutrition Company
Fresno, Fresno County

Tracy Defense Depot
Tracy, San Joaquin County

Travis Air Force Base
Solano County

COMMONWEALTH OF THE NORTHERN MARIANAS ISLANDS

None available currently.

GUAM

None available currently.

HAWAII

Del Monte Corporation (Oahu Plantation)
Kunia, Honolulu County

Naval Computer and Telecommunication Area
Wahiawa, Honolulu County

Puna Geothermal Venture
Pahoa, Hawaii County

NEVADA

None available currently.

TRUSTED TERRITORIES

None available currently.

Region 10**ALASKA**

Fort Richardson (U.S. Army)
Fort Richardson, Anchorage County

IDAHO

Blackbird Mine
Cobalt, Lemhi County

Eastern Michaud Flats Contamination
Pocatello, Bannock County

Triumph Mine Tailings Piles
Hailey, Blaine County

USAF Mountain Home Air Force Base
Mountain Home AFB, Elmore County

OREGON

East Multnomah
Gresham, Multnomah County

McCormick and Baxter Creosoting Company (Portland)
Portland, Multnomah County

Northwest Pipe and Casing Company
Clackamas, Clackamas County

Reynolds Metal Company
Troutdale, Multnomah County

U.S. Army Umatilla Depot Activity
Hermiston, Umatilla County

WASHINGTON

American Crossarm and Conduit Company
Chehalis, Lewis County

Bonneville Power Administration Ross Complex (USDOE)
Vancouver, Clark County

Boomsnub/Airco
Vancouver, Clark County

Commencement Bay, South Tacoma Field (a/k/a/ Commencement Bay, South Tacoma Channel)
Tacoma, Pierce County

Fairchild Air Force Base
Spokane, Spokane County

McChord Air Force Base
Tacoma, Pierce County

Old Navy Dump / Manchester Laboratory (USEPA/NOAA)
Manchester, Kitsap County

Pacific Sound Resources
Seattle, King County

Seattle Municipal Landfill/Kent Highlands
Kent, King County

U.S. Navv Port Hadlock Detachment
Indian Island, Kitsap County

Attachment II
FUND, RP, AND FF REMOVALS BY REGION

REGION	STATE	REMOVAL COUNT
01	Connecticut	85
	Massachusetts	217
	Maine	49
	New Hampshire	86
	Vermont	11
	Rhode Island	46
	Regional Total	494
02	New Jersey	362
	New York	327
	Puerto Rico	11
	Virgin Islands	16
	Regional Total	716
03	District of Columbia	1
	Delaware	42
	Maryland	107
	Pennsylvania	355
	Virginia	129
	West Virginia	128
	Regional Total	762
04	Alabama	68
	Florida	157
	Georgia	172
	Kentucky	79
	Mississippi	66
	North Carolina	173
	South Carolina	109
	Tennessee	100
	Regional Total	924
05	Illinois	162
	Indiana	139
	Michigan	217
	Minnesota	33
	Ohio	245
	Wisconsin	73
	Regional Total	869
06	Arkansas	43
	Louisiana	81
	New Mexico	24
	Oklahoma	47
	Texas	266
	Regional Total	461

SOURCE: CERCLIS 3

04/29/99

FUND, RP, AND FF REMOVALS BY REGION

REGION	STATE	REMOVAL COUNT
07	Iowa	80
	Kansas	101
	Missouri	280
	Nebraska	50
	Regional Total	511
08	Colorado	215
	Montana	52
	North Dakota	10
	South Dakota	20
	Utah	84
	Wyoming	38
	Regional Total	419
09	American Samoa	10
	Arizona	39
	California	316
	Guam	3
	Hawaii	14
	Majuro	1
	Midway	4
	Nevada	22
	Navajo Nation	7
	Northern Marianas	3
	Trust Territ.	36
	Regional Total	455
10	Alaska	12
	Idaho	49
	Oregon	46
	Washington	109
	Regional Total	216
	NATIONAL TOTAL	5827

REGION	STATE	SITE NAME	EPA ID	ACTION	ACTION SEQUENCE	REMOVAL START DATE	REMOVAL COMPLETE DATE
01	CT	A. M. DEVELOPERS	CT0001868973	Fund Removal	001	2/22/97	5/5/97
01	CT	ACCU-CIRCUITS	CTD983887603	FF Removal	001	8/14/95	11/28/95
01	CT	ANGEJILLO PROPERTY	CTD983888223	Fund Removal	001	8/27/96	5/20/97
01	CT	ARMY ENGINE PLANT/STRAFORD	CTD001181502	PRP Removal	001	11/30/98	
01	CT	ASHLAND MILL	CTD983884636	Fund Removal	001	3/23/95	8/1/95
01	CT	BATCHELDER	CTD001182278	Fund Removal	001	6/11/97	10/16/97
01	CT	BEATON & CORBIN MANUFACTURING	CTD001146425	Fund Removal	001	8/29/97	10/21/97
01	CT	BLACK ROCK SHIPYARD	CT0001407955	Fund Removal	001	9/30/96	1/21/98
01	CT	BOURDEAUHUI PROPERTY	CTD982198764	Fund Removal	001	2/27/85	6/14/85
01	CT	BRADFORD INDUSTRIES (FORMER)	CT0001402577	Fund Removal	001	2/10/97	2/27/97
01	CT	BRANFORD HARBOR	CT0002024446	Fund Removal	001	9/30/97	9/30/97
01	CT	BRIDGEPORT HARBOR	CTSFN0102977	Fund Removal	001	7/30/98	7/30/98
01	CT	CHARLES BATCHELDER COMPANY	CTD981069180	Fund Removal	001	6/11/97	10/16/97
01	CT	CHESTNUTS PROPERTY	CTD073411579	Fund Removal	001	8/28/89	7/6/90
01	CT	CHROME ENGINEERING	CTD001167923	Fund Removal	001	2/21/97	5/23/97
01	CT	CLINTON AVENUE (57)	CT0001016740	Fund Removal	001	6/19/95	6/24/95
01	CT	CONNECTICUT RIVER DRUMS	CT0001407592	Fund Removal	001	6/24/87	6/25/87
01	CT	DISPLAYMAKERS	CT0001021526	Fund Removal	001	4/7/95	4/21/95
01	CT	FORT TRUMBULL	CT6690311653	Fund Removal	001	3/27/91	4/26/91
01	CT	GAYNOR STAFFORD INDUSTRIES	CTD001140375	Fund Removal	001	3/1/96	6/14/96
01	CT	GILBERT & BENNETT MANUFACTURING COMPANY	CTD000847164	FF Removal	001	2/29/90	7/1/90
01	CT	HADDAM MYSTERY DRUM	CT0002024313	Fund Removal	001	7/30/97	7/30/97
01	CT	HAMDEN PLATING/TRAILERS SITE	CTD983902875	Fund Removal	001	6/10/92	6/26/92
01	CT	HARCO PROPERTY	CTD983973259	Fund Removal	001	6/3/92	7/15/93
01	CT	HARPER-LEADER, INC.	CTD001166008	Fund Removal	001	10/10/96	1/9/97
01	CT	INTERROYAL CORPORATION	CTD045110813	Fund Removal	001	11/29/95	8/5/96
01	CT	JACK THE STRIPPER	CTD88564111	Fund Removal	001	2/27/95	4/7/95
01	CT	KAPINOS PROPERTY	CTD952198772	Fund Removal	001	2/21/85	6/19/85
01	CT	KEMVOLT	CTD064827777	Fund Removal	001	10/10/95	12/29/95
01	CT	KOGUT'S NURSERY	CT0001491598	Fund Removal	001	11/12/96	11/20/96
01	CT	LANDMARK FARM AND GARDEN, INC.	CT0001910694	FF Removal	002	7/13/98	12/28/98
01	CT	LANDMARK FARM AND GARDEN, INC.	CT0001910694	Fund Removal	001	5/30/97	12/23/97
01	CT	LAUREL PARK, INC.	CTD980521155	FF Removal	001	7/21/86	8/4/86
01	CT	LAUREL PARK, INC.	CTD980521155	FF Removal	002	5/27/87	9/30/87
01	CT	LINEMASTER SWITCH CORP	CTD001153923	Fund Removal	001	7/9/96	7/1/97
01	CT	M&S CHROME PLATING INC.	CTD982711269	FF Removal	001	6/10/95	8/22/96
01	CT	MAPLE STREET CORPORATION	CT0001172501	Fund Removal	001	6/23/95	11/7/96
01	CT	METROPOLITAN METAL FINISHING	CTD001193092	Fund Removal	001	2/14/97	7/23/97
01	CT	NATIONAL AUTOMATIC PRODUCTS COMPANY	CT0001406877	Fund Removal	001	8/12/96	9/20/96
01	CT	NATIONAL OIL SERVICES	CTD162235782	Fund Removal	001	2/23/98	8/19/98
01	CT	NATIONAL WELDING AND MANUFACTURING	CTD001155167	FF Removal	001	6/1/97	

01	CT	NEOWELD CORP II	CTD980524201	Fund Removal	001	11/14/04	7/13/95
01	CT	NEW LONDON SUBMARINE BASE	CTD980906515	PRP Removal	001	5/12/93	1/30/95
01	CT	NEW LONDON SUBMARINE BASE	CTD980906515	PRP Removal	002	6/5/94	9/14/95
01	CT	NEW LONDON SUBMARINE BASE	CTD980906515	PRP Removal	003	2/24/97	6/30/97
01	CT	NEW LONDON SUBMARINE BASE	CTD980906515	PRP Removal	005	1/11/95	9/14/95
01	CT	NEW LONDON SUBMARINE BASE	CTD980906515	PRP Removal	006	3/3/97	7/3/97
01	CT	NEW WATERBURY LIMITED	CTD982193964	Fund Removal	001	9/9/92	3/5/93
01	CT	NUTMEG VALLEY ROAD	CTD980692261	Fund Removal	001	9/23/91	1/31/92
01	CT	O'SULLIVAN'S ISLAND	CTD980692261	Fund Removal	001	3/15/93	4/10/93
01	CT	OLD FOX	CTD980692261	Fund Removal	002	9/17/94	1/11/95
01	CT	OLD SAYBROOK FIRE	CTD045111135	Fund Removal	001	9/27/93	12/3/93
01	CT	PFALTZ & BALIER	CTD983871104	Fund Removal	001	9/15/89	9/17/89
01	CT	PORTERS GROVE METAL	CTD981063431	Fund Removal	001	12/14/94	4/5/96
01	CT	PRIORITY FINISHING	CTD980524326	FF Removal	001	4/18/95	9/20/95
01	CT	PRIORITY FINISHING	CTD983873555	FF Removal	001	4/5/88	9/21/88
01	CT	PRIORITY FINISHING	CTD983873555	FF Removal	002	4/6/88	9/30/88
01	CT	PRIORITY FINISHING OF NORWALK	CTD983873555	Fund Removal	001	12/4/87	10/18/88
01	CT	RAE STORAGE BATTERY	CTD001176247	Fund Removal	001	3/4/97	3/20/97
01	CT	RAYBESTOS MEMORIAL FIELD PARKING AREA	CTD982189226	Fund Removal	001	5/24/94	8/26/94
01	CT	RAYMARK INDUSTRIES, INC.	CTD980520357	FF Removal	001	5/21/90	8/1/92
01	CT	RAYMARK INDUSTRIES, INC.	CTD001186618	FF Removal	001	5/15/90	5/20/93
01	CT	RAYMARK INDUSTRIES, INC.	CTD001186618	FF Removal	002	12/14/92	12/31/94
01	CT	REVERE TEXTILE PRINTS CORPORATION	CTD001186618	Fund Removal	001	6/15/83	9/30/86
01	CT	RICHTER'S GREENHOUSE	CTD004532610	FF Removal	001	5/31/90	2/6/91
01	CT	ROLFITE - CANAL STREET	CTD000233965	Fund Removal	001	5/13/94	7/6/94
01	CT	ROLFITE - CANAL STREET	CTD048339592	Fund Removal	001	6/29/87	3/4/88
01	CT	ROOSEVELT MILLS	CTD048339592	Fund Removal	002	12/28/92	6/12/93
01	CT	RYE PESTICIDE SITE	CTD001139955	FF Removal	001	10/12/88	1/2/91
01	CT	S. GOLDFEEDER, INC.	CTD982198780	Fund Removal	001	4/15/85	9/3/85
01	CT	SHORE CHEMICAL	CTD001163997	Fund Removal	001	3/20/95	8/18/95
01	CT	SHORT BEACH	CTD982543992	FF Removal	001	8/9/96	12/10/96
01	CT	SOLVENTS RECOVERY SERVICE NEW ENGLAND	CTSFN0102979	Fund Removal	001	8/30/98	8/30/98
01	CT	SOLVENTS RECOVERY SERVICE NEW ENGLAND	CTD009717604	FF Removal	001	9/16/94	
01	CT	SOLVENTS RECOVERY SERVICE NEW ENGLAND	CTD009717604	FF Removal	002	2/6/87	
01	CT	SOLVENTS RECOVERY SERVICE NEW ENGLAND	CTD009717604	Fund Removal	001	9/8/92	10/1/92
01	CT	SOLVENTS RECOVERY SERVICE NEW ENGLAND	CTD009717604	Fund Removal	002	12/6/93	4/1/94
01	CT	SOMERS INDUSTRIAL FINISHING	CTD062202791	Fund Removal	002	3/5/97	12/28/97
01	CT	SPACETEC	CTD983893729	FF Removal	001	11/12/91	10/4/94
01	CT	STRATFORD ASBESTOS SITE	CTD983893717	Fund Removal	001	6/17/93	9/30/96
01	CT	THE PLATING CENTER	CTD046421699	Fund Removal	001	7/20/95	9/9/95
01	CT	VALCO MANUFACTURING & ENGINEERING, INC.	CTD001406985	Fund Removal	001	8/21/86	10/17/86
01	CT	VANDEBILT CHEMICAL	CTD001181205	FF Removal	001	4/26/88	6/2/88
01	CT	WATKINS MACHINERY	CTD983872623	Fund Removal	001	9/7/93	8/18/91

01	CT	CT	YALEVILLE SILVER COMPANY	CTD001178391	Fund Removal	001	8/25/97	10/9/97
01	MA	A & M ADVANCED PROTOTYPES	MAD000296804	Fund Removal	001	11/1/95	11/2/95	
01	MA	ABANDONED DRUM CLEAN-UP	MA9690390019	Fund Removal	001	8/22/91	8/22/91	
01	MA	ADVANCED LAB CHEMICAL FIRE	MAD184738565	Fund Removal	001	6/19/88	8/9/88	
01	MA	ALDEN COREGATED CONTAINER	MA0001058148	Fund Removal	001	3/6/95	7/6/95	
01	MA	ALLERTON HARBOR (C50147)	MA0001119973	Fund Removal	001	6/15/95	6/15/95	
01	MA	AMERICAN GLUE AND RESIN	MASFN0102980	Fund Removal	001	12/23/96		
01	MA	AMORY PACKAGING CORPORATION	MA0001411495	Fund Removal	001	7/25/96	12/9/96	
01	MA	ASHLAND DRUM	MAD98276385	Fund Removal	001	6/12/89	5/7/90	
01	MA	ATLAS TACK CORP	MAD001026319	FF Removal	001	11/2/92	1/4/93	
01	MA	AZTEC INDUSTRIES	MA0001520741	Fund Removal	001	10/18/96	1/7/97	
01	MA	BAIRD & MCGUIRE	MAD001041987	Fund Removal	001	3/21/83	7/9/84	
01	MA	BAIRD & MCGUIRE	MAD001041987	Fund Removal	002	7/22/85	12/19/85	
01	MA	BARE COVE	MA0000261941	Fund Removal	001	8/25/84	9/2/84	
01	MA	BARGAINEER CENTER	MA0002326502	Fund Removal	001	10/27/98	3/24/99	
01	MA	BEACON PRINTING AND INK	MA0002274819	FF Removal	001	7/26/98	8/17/98	
01	MA	BEAL ST PROPERTY	MAD982198830	Fund Removal	001	4/4/86	10/6/86	
01	MA	BEVERLY HARBOR	MA0001419966	Fund Removal	001	4/23/96	4/23/96	
01	MA	BIRD PROPERTY (PRENTICE STREET PROPERTY)	MAD981067739	Fund Removal	001	1/31/92	5/15/93	
01	MA	BLACKBURN AND UNION PRIVILEGES	MAD982191383	FF Removal	001	5/11/88		
01	MA	BOGS LANDING	MA0001410299	Fund Removal	001	4/19/94	4/19/94	
01	MA	BOSTON EDISON CYLINDER	MA0001267739	Fund Removal	001	7/25/94	7/25/94	
01	MA	BOSTON HARBOR	MA000115757	Fund Removal	001	8/1/86	8/28/87	
01	MA	BREWSTER PESTICIDE	MA0001411776	Fund Removal	001	6/15/90	11/23/92	
01	MA	BROCKTON GAS WORKS I	MAD980520977	FF Removal	001	5/28/91	4/24/95	
01	MA	BROCKTON GAS WORKS I	MAD980520977	FF Removal	002	9/2/88	5/29/91	
01	MA	BROCKTON GAS WORKS II (FORMER)	MAD982191987	FF Removal	001	5/23/90	5/23/90	
01	MA	BUZZARDS BAY	MA1680390025	Fund Removal	001	8/1/84	13/85	
01	MA	CABIN REALTY TRUST	MAD985319789	Fund Removal	001	8/10/87	12/3/88	
01	MA	CANNON ENGINEERING CORP. (CEC)	MAD0079510780	Fund Removal	001	12/19/86	4/1/87	
01	MA	CAPE COD	MA0001407693	Fund Removal	001	12/3/87	12/9/87	
01	MA	CAPE COD CANAL	MA0001407691	Fund Removal	001	10/1/98	2/27/99	
01	MA	CARR LEATHER	MA000170619	Fund Removal	001	9/30/96	3/7/87	
01	MA	CHADWICK LEAD MILL	MA0001408319	FF Removal	001	8/22/83	3/23/84	
01	MA	CHARLES-GEORGE RECLAMATION LANDFILL	MAD003809266	Fund Removal	001	9/22/83	9/27/88	
01	MA	CHATHAM BEACH	MAD982748659	Fund Removal	001	4/12/89	4/14/89	
01	MA	CHATHAM DRUMS	MAD985276278	Fund Removal	001	4/3/92	12/31/92	
01	MA	COBB AND DREW	MAD985313523	Fund Removal	001	8/9/94	9/21/94	
01	MA	COHEN PROPERTY	MAD981063324	FF Removal	001	6/3/95	6/3/95	
01	MA	COMMERCIAL STREET (427) (C5 0134)	MA000128574	Fund Removal	001	2/17/88	2/22/88	
01	MA	COMMERCIAL STREET (7)	MA0001407600	Fund Removal	001	4/1/87	4/18/87	
01	MA	COMMONWEALTH CHEMICAL CORP	MAD009407289	Fund Removal	001	7/2/83	7/14/83	
01	MA	CONCORD RIVER (SECOND REMOVAL)	MAD985318575	Fund Removal	001			

01	MA	CONGRESS AND B STREETS	MA000115765	Fund Removal	001	2/11/95	2/11/95	8/12/88
01	MA	CORONET LEATHER FINISHING	MAD051797066	Fund Removal	001	9/30/96	9/30/96	8/16/96
01	MA	COUNTRY HOME FURNISHING	MAD0084211796	Fund Removal	001	8/12/96	8/12/96	4/14/89
01	MA	DANE STREET BEACH	MA0001285758	Fund Removal	001	5/29/95	3/16/97	6/5/95
01	MA	DARTMOUTH FINISHING	MAD0965275015	Fund Removal	001	3/16/97	7/17/97	9/29/95
01	MA	DEWEY DAGGETT LANDFILL	MAD096527457	Fund Removal	001	8/30/95	8/30/95	7/1/83
01	MA	DIGHTON DRUM	MAD001062439	Fund Removal	001	6/13/83	6/13/83	1/18/89
01	MA	DONOVAN, L. A.	MA0001407659	Fund Removal	001	1/18/89	1/18/89	8/12/88
01	MA	EAST COTTAGE STREET (131)	MA0001409374	Fund Removal	001	7/10/96	7/10/96	8/16/96
01	MA	EASTERN INDUSTRIAL HANDLING INC	MAD0965276286	Fund Removal	001	4/6/89	4/6/89	4/14/89
01	MA	EDGARTOWN	MAD001008770	Fund Removal	001	9/23/94	9/23/94	6/5/95
01	MA	ELECTRO CIRCUITS-LOWELL	MAD0965318443	Fund Removal	001	4/20/93	4/20/93	4/20/93
01	MA	ELLERY STREET	MAD0001564328	Fund Removal	001	12/8/98	12/8/98	1/19/99
01	MA	EMPIRE LAUNDRY	MAD0965318559	Fund Removal	001	6/25/93	6/25/93	6/25/93
01	MA	ESSEX RIVER	MAD0965268499	Fund Removal	001	1/13/98	2/19/98	5/19/88
01	MA	FAIRHAVEN MILL (FORMER)	MAD0965271428	Fund Removal	001	5/19/88	5/19/88	10/27/88
01	MA	FAIRVIEW ROAD (36)	MAD002334333	Fund Removal	001	7/6/98	12/7/92	9/24/93
01	MA	FLYNNAN	MA7210025154	PRP Removal	002	3/1/93	3/1/93	6/15/93
01	MA	FORT DEVENS	MA7210025154	PRP Removal	003	3/22/93	3/22/93	5/10/94
01	MA	FORT DEVENS	MA7210025154	PRP Removal	004	12/9/93	12/9/93	6/28/95
01	MA	FORT DEVENS	MA7210025154	PRP Removal	005	1/12/84	6/20/84	8/15/84
01	MA	FORT DEVENS	MA7210025154	PRP Removal	006	6/20/84	9/29/95	9/29/95
01	MA	FORT DEVENS	MA7210025154	PRP Removal	007	8/31/85	8/31/85	10/2/96
01	MA	FORT DEVENS	MA7210025154	PRP Removal	008	10/5/95	8/7/97	8/7/97
01	MA	FORT DEVENS	MA7210025154	PRP Removal	009	10/31/95	2/27/96	2/27/96
01	MA	FORT DEVENS	MA7210025154	PRP Removal	010	3/19/86	5/1/87	5/1/87
01	MA	FORT DEVENS	MA7210025154	PRP Removal	011	3/19/86	4/23/97	4/23/97
01	MA	FORT DEVENS	MA7210025154	PRP Removal	012	11/12/96	9/22/97	9/22/97
01	MA	FORT DEVENS	MA7210025154	PRP Removal	013	10/31/86	8/25/88	8/25/88
01	MA	FORT DEVENS	MA7210025154	PRP Removal	014	10/24/96	12/17/96	12/17/96
01	MA	FORT DEVENS	MA7210025154	PRP Removal	015	12/10/97	5/29/98	5/29/98
01	MA	FORT DEVENS-SUDBURY TRAINING ANNEX	MAD096520670	PRP Removal	001	8/13/89	8/13/89	4/8/95
01	MA	FORT POINT CHANNEL	MA000115773	Fund Removal	001	4/8/95	4/8/95	4/8/95
01	MA	FOSTER STREET (101)	MASFN0102983	Fund Removal	001	3/31/89	3/31/89	6/19/86
01	MA	FREETOWN SCREW MFG CO INC	MAD001031251	Fund Removal	001	9/18/85	9/18/85	5/1/87
01	MA	GALARY PROPERTY	MAD0981066382	Fund Removal	001	9/5/86	9/5/86	5/1/87
01	MA	GARDNER/HUBBARDSTON ASBESTOS RESPONSE (L&Z KAMMAN	MAD002458461	Fund Removal	001	6/23/97	6/23/97	12/18/88
01	MA	GE-HOUSATONIC RIVER	MAD002084093	FF Removal	001	9/2/98	9/2/98	9/2/98
01	MA	GE-HOUSATONIC RIVER	MAD001287747	FF Removal	002	7/14/94	7/14/94	7/14/94
01	MA	GLOUCESTER HARBOR	MAD001287747	Fund Removal	001	11/6/81	11/6/81	11/7/81
01	MA	GLOUCESTER/FISHING VESSEL DRUM	MAD0985300243	Fund Removal	001			

01	MA	GREEN PAINT	MA0002050219	FF Removal	001	11/10/97	12/29/97
01	MA	HANS KISSEL FOOD COMPANY	MA0985296325	Fund Removal	001	5/20/91	5/20/91
01	MA	HANSCOM FIELD/HANSCOM AIR FORCE BASE	MA0570024424	PRP Removal	002	9/30/95	9/30/95
01	MA	HATHERWAY & PATTERSON	MA0001060805	Fund Removal	001	12/6/93	9/1/95
01	MA	HAVERHILL MUNICIPAL LANDFILL	MA0905233336	Fund Removal	001	9/10/90	10/3/90
01	MA	HAVERHILL SALVAGE	MA0018394139	Fund Removal	001	9/24/90	5/1/91
01	MA	HERMAN MELVILLE SHIPYARD	MA0690390020	Fund Removal	001	12/17/90	1/2/91
01	MA	HIGH HEAD	MA0690251168	Fund Removal	001	2/12/90	2/12/90
01	MA	HORIZONS PROPERTIES	MA0001056155	Fund Removal	001	3/28/95	7/21/95
01	MA	HOUGELS NECK	MA0001407634	Fund Removal	001	2/18/85	3/19/85
01	MA	HOUSTONIC RIVER	MA090672935	Fund Removal	001	8/14/87	8/14/87
01	MA	HULL BAY	MA0001410851	Fund Removal	001	10/28/95	10/28/95
01	MA	INDIAN LINE FARM (FORMER)	MA090503528	Fund Removal	001	12/3/92	5/28/93
01	MA	INDUSTRI-PLEX	MA0076580950	Fund Removal	001	7/7/86	9/3/86
01	MA	INDUSTRI-PLEX	MA0076580950	Fund Removal	002	5/11/88	6/18/88
01	MA	IRON HORSE PARK	MA0051787323	Fund Removal	001	8/1/84	11/14/84
01	MA	ITALIA-AMENDMENT	MA069020456	Fund Removal	001	9/8/89	9/8/89
01	MA	JOE'S JUNKYARD	MA0985272301	Fund Removal	001	10/28/96	12/30/96
01	MA	KEMPTON ROAD	MA0985297563	Fund Removal	001	11/5/91	11/4/92
01	MA	KENT SILVERSMITHS	MA090671309	FF Removal	001	6/20/94	3/29/95
01	MA	LITTLE CALF ISLAND DRUM	MA0985307537	Fund Removal	001	3/16/92	3/17/92
01	MA	LONG POINT DRUM	MA0690360021	Fund Removal	001	2/27/80	3/19/80
01	MA	LOWNEY WAY	MA0000182588	Fund Removal	001	3/9/88	3/10/88
01	MA	M & V ELECTROPLATING CORP	MA0001042647	FF Removal	001	10/11/95	12/12/95
01	MA	MAPLE STREET - STOUGHTON	MA0001879180	Fund Removal	001	8/4/97	12/19/97
01	MA	MARCONI BEACH	MA0985276096	Fund Removal	001	11/18/88	12/14/88
01	MA	MARRA PROPERTY	MA0980909436	Fund Removal	001	9/25/90	12/12/91
01	MA	MARTHA'S VINEYARD (2)	MA0690360022	Fund Removal	001	2/17/80	2/22/80
01	MA	MASHPEE LANDFILL	MA0982198848	Fund Removal	001	9/19/86	12/17/86
01	MA	MEGUNCO ROAD	MA0985276104	Fund Removal	001	2/14/89	4/21/89
01	MA	MEMENSHA II	MA0982748832	Fund Removal	001	7/13/88	10/3/88
01	MA	MERCURY ANODIZING	MA0001402734	Fund Removal	001	8/30/90	7/8/91
01	MA	MERIT OIL COMPANY	MA0982197170	Fund Removal	001	8/9/80	8/9/80
01	MA	MERRIMAC RIVER (CS-0118)	MA0001119581	Fund Removal	001	4/15/95	4/15/95
01	MA	MERRIMACK RIVER	MA0985278617	Fund Removal	001	7/19/89	9/23/89
01	MA	MODERN ELECTROPLATING	MA0001000892	Fund Removal	001	4/10/95	5/28/96
01	MA	MONNIER SITE/PYBURN PROPERTY	MA0001119247	Fund Removal	001	1/22/97	3/30/98
01	MA	MORSE CUTTING TOOLS	MA0051505683	Fund Removal	001	4/20/92	7/2/92
01	MA	NANPASKET	MA0001407568	Fund Removal	001	4/22/87	4/23/87
01	MA	NANTASKET BEACH	MA0985271287	Fund Removal	001	4/28/86	4/27/86
01	MA	NANTUCKET	MA0690390023	Fund Removal	001	9/24/91	9/24/90
01	MA	NANTUCKET DRUMS	MA0985307545	Fund Removal	001	9/24/90	9/24/90
01	MA	NATICK LABORATORY ARMY RESEARCH,D&E CNTR	MA1210020631	PRP Removal	001	10/4/97	12/10/97

01	MA	NATIONAL FIREWORKS I	MAD980908842	FF Removal	001	7/1/88	8/20/89
01	MA	NATIONAL FIREWORKS I/SEVIGNY CANDY	MAD980908875	FF Removal	001	7/1/88	8/20/89
01	MA	NAVAL WEAPONS INDUSTRIAL RESERVE PLANT	MA6170023570	PRP Removal	001	4/15/93	
01	MA	NEW BEDFORD HARBOR	MA2590390024	Fund Removal	001	8/27/80	8/29/90
01	MA	NEW BEDFORD INDUSTRIAL PK	MA0001899862	Fund Removal	001	9/25/87	11/7/87
01	MA	NEW BEDFORD SITE	MAD980731335	Fund Removal	001	4/5/82	4/30/82
01	MA	NEW BEDFORD SITE	MAD980731335	Fund Removal	002	7/31/84	8/21/84
01	MA	NEW BEDFORD SITE	MAD980731335	Fund Removal	003	7/1/85	8/9/85
01	MA	NEW BEDFORD SITE	MAD980731335	Fund Removal	001	6/24/83	8/3/83
01	MA	NU-STYLE	MAD001008465	Fund Removal	001	2/4/92	11/13/92
01	MA	NYANZA CHEMICAL WASTE DUMP	MAD980985422	FF Removal	001	4/21/87	4/30/87
01	MA	NYANZA CHEMICAL WASTE DUMP	MAD980985422	FF Removal	002	12/11/89	2/10/89
01	MA	NYANZA CHEMICAL WASTE DUMP	MAD980985422	Fund Removal	001	5/11/87	6/10/88
01	MA	NYANZA CHEMICAL WASTE DUMP	MAD980985422	Fund Removal	002	5/13/92	6/18/92
01	MA	OCEAN DRIVE (56)	MA0002017713	Fund Removal	001	2/29/98	6/5/98
01	MA	OLD BONDVILLE FACTORY	MA0003034215	Fund Removal	001	9/9/98	12/18/98
01	MA	OLD NORTH BRIDGE DRUM	MAD985300425	Fund Removal	001	11/30/81	12/4/81
01	MA	ORIENT HEIGHTS YACHT CLUB	MA0990390018	Fund Removal	001	9/9/91	9/9/91
01	MA	OTIS AIR NATIONAL GUARD /CAMP EDWARDS	MA2570024487	PRP Removal	001	2/4/94	3/1/99
01	MA	OTIS AIR NATIONAL GUARD /CAMP EDWARDS	MA2570024487	PRP Removal	002	11/7/90	11/7/90
01	MA	OTIS AIR NATIONAL GUARD /CAMP EDWARDS	MA2570024487	PRP Removal	003	8/20/92	6/1/93
01	MA	OTIS AIR NATIONAL GUARD /CAMP EDWARDS	MA2570024487	PRP Removal	004	1/30/95	10/3/97
01	MA	OTIS AIR NATIONAL GUARD /CAMP EDWARDS	MA2570024487	PRP Removal	005	10/14/97	
01	MA	PAMET RIVER	MAD985278825	Fund Removal	001	8/6/89	8/31/89
01	MA	PARS H.G. - ACTON	MAD985318389	FF Removal	001	3/19/93	5/12/93
01	MA	PARS, H.G.-LEXINGTON	MAD985318377	FF Removal	001	3/19/93	4/5/93
01	MA	PAYNE CUTLERY CORP.	MAD001025246	FF Removal	001	12/23/92	2/1/93
01	MA	PHOTECH	MAD098355787	Fund Removal	001	9/29/97	2/6/98
01	MA	PIER 10	MA0001410869	Fund Removal	001	9/29/95	9/29/95
01	MA	PLEASANT ST PROPERTY	MAD982198897	Fund Removal	001	12/9/86	12/21/86
01	MA	PLUMI ISLAND	MAD985079393	Fund Removal	001	4/19/92	4/19/92
01	MA	PLYCRAFT	MAD001046051	Fund Removal	001	3/26/93	4/28/93
01	MA	PLYMOUTH HARBOR/CANNON ENGINEERING CORP.	MAD980525232	FF Removal	001	8/16/83	5/1/84
01	MA	PLYMOUTH HARBOR/CANNON ENGINEERING CORP.	MAD980525232	FF Removal	002	9/15/88	12/15/89
01	MA	PLYMOUTH HARBOR/CANNON ENGINEERING CORP.	MAD980525232	Fund Removal	001	11/23/83	1/27/84
01	MA	POINT ALLETON DRUM	MAD985307485	Fund Removal	001	6/7/92	6/7/92
01	MA	POLYMERINE	MAD98554361	FF Removal	001	10/5/88	
01	MA	PSC RESOURCES	MAD980731483	Fund Removal	001	7/19/91	10/31/91
01	MA	PUTNAM LANE	MA0002378461	Fund Removal	001	7/9/98	9/11/98
01	MA	RAILROAD DEPOT	MAD981063985	Fund Removal	001	4/30/87	6/2/88
01	MA	RCM	MAD985318351	Fund Removal	001	6/14/93	6/24/93
01	MA	RE-SOLVE, INC.	MAD980520621	FF Removal	001	5/16/84	2/1/85
01	MA	ROBBINS ROAD	MAD985309804	FF Removal	001	9/29/92	12/30/92

01	MA	ROFOR PRECISION PLATING	MAD001027879	Fund Removal	001	7/14/92	3/22/93
01	MA	ROGERS AVENUE/TAUNTON GAS	MAD000448910	FF Removal	001	12/2/94	6/9/97
01	MA	ROSE DISPOSAL PIT	MAD980524169	FF Removal	001	5/16/84	8/1/84
01	MA	ROSE'S WHARF	MAD9805307529	Fund Removal	001	3/9/92	3/9/92
01	MA	ROWE'S WHARF	MAD0001410901	Fund Removal	001	8/11/95	8/11/95
01	MA	ROXBURY WASHINGTON ST DRUM SITE	MAD9805300193	Fund Removal	001	11/6/91	11/6/91
01	MA	SAGAMORE	MA5690367409	Fund Removal	001	11/29/90	11/29/90
01	MA	SALEM ACRES	MAD980525240	Fund Removal	001	4/10/87	4/8/88
01	MA	SALEM ACRES	MAD980525240	Fund Removal	002	9/11/90	10/11/90
01	MA	SAWSET AVENUE CHEMICAL SPILL	MAD000182451	Fund Removal	001	10/2/87	10/3/87
01	MA	SAWYER PASSWAY	MAD0001924166	Fund Removal	001	6/21/97	7/7/97
01	MA	SCTUATE HARBOR	MA4690310921	Fund Removal	001	5/29/91	5/30/91
01	MA	SEABOARD CHEMICAL (FORMER)	MAD0001883347	FF Removal	001	2/11/97	9/16/97
01	MA	SILRESIM CHEMICAL CORP	MAD000192393	Fund Removal	001	6/24/83	8/12/83
01	MA	SILRESIM CHEMICAL CORP	MAD000192393	Fund Removal	002	4/29/85	8/11/86
01	MA	SILRESIM CHEMICAL CORP	MAD000192393	Fund Removal	003	12/18/86	12/18/86
01	MA	SMITH POINT	MA169025067	Fund Removal	001	10/3/89	1/2/90
01	MA	SOUTH BEACH	MAD982748592	Fund Removal	001	8/29/88	12/2/88
01	MA	SOUTH CANAL STREET	MAD985315456	Fund Removal	001	9/18/92	10/2/92
01	MA	SOUTH SHORE	MA2690090004	Fund Removal	001	2/13/90	2/13/90
01	MA	SPEAR DRUM	MASF0102984	Fund Removal	001	3/22/99	3/23/99
01	MA	SULLIVAN'S LEDGE	MAD980731343	FF Removal	001	9/30/84	5/1/85
01	MA	TAUNTON RIVER ENHANCEMENT PROJECT	MAD0002021699	Fund Removal	001	7/23/96	
01	MA	TAUNTON SILVERSMITHS LTD	MAD069947960	Fund Removal	001	12/23/91	5/21/92
01	MA	TEXACO INC. - SO. BOSTON TERMINAL	MAD000944696	Fund Removal	001	8/7/92	8/7/92
01	MA	THREE C ELECTRICAL CO (FORMER)	MAD092195874	Fund Removal	001	8/8/95	8/26/95
01	MA	TOKA-RENEBE FARM	MAD091063084	FF Removal	001	6/30/94	7/6/94
01	MA	TOWN RIVER	MAD0001410844	Fund Removal	001	11/22/95	11/22/95
01	MA	USCG BASE SUPPORT CENTER	MAD985307511	Fund Removal	001	7/28/92	7/28/92
01	MA	VINEYARD SOUND	MAD985276633	Fund Removal	001	8/2/89	9/23/89
01	MA	WASHINGTON STREET #470	MAD985289776	Fund Removal	001	3/27/91	4/4/91
01	MA	WELLS G&H	MAD980732168	FF Removal	001	2/7/86	3/6/86
01	MA	WELLS G&H	MAD980732168	FF Removal	002	2/7/86	8/15/86
01	MA	WELLS G&H	MAD980732168	FF Removal	003	2/7/87	3/30/87
01	MA	WELLS G&H	MAD980732168	FF Removal	004	9/28/87	2/17/88
01	MA	WELLS METAL LOWELL	MAD980913990	Fund Removal	001	9/13/90	9/15/90
01	MA	WESTFORD ANODIZING SITE	MAD082173497	FF Removal	001	11/6/91	9/11/92
01	MA	WHITE MOUNTAIN POTATO BUILDING	MAD0002366284	Fund Removal	001	7/14/98	2/3/99
01	MA	WINCHELL BUILDING	MAD985277508	Fund Removal	001	1/22/90	1/24/91
01	MA	WINCHELL BUILDING	MAD985277508	Fund Removal	002	5/7/95	5/26/95
01	MA	WOMPATUCK STATE PARK (FORMER)	MAD981063365	Fund Removal	001	7/19/94	8/25/94
01	MA	WOOD ENGINEERING	MAD0001407667	FF Removal	001	4/8/87	4/21/87
01	MA	WOODS HOLE	MA1690090005	Fund Removal	001	1/30/90	3/27/90

01	MA	WOODSKILL COMPANY	MAD98529702	Fund Removal	001	8/13/96	11/1/96
01	MA	YANKEE CHEMICAL CORP	MAD981063116	Fund Removal	001	4/13/92	1/19/93
01	MA	YANKEE CHEMICAL CORP	MAD981063116	Fund Removal	002	8/16/94	6/17/94
01	ME	ACTION LAND MANAGEMENT	MED985468453	Fund Removal	001	9/27/90	5/27/93
01	ME	ANDROSCOGGIN RIVER (FLOOD)	MED982198723	Fund Removal	001	4/9/87	4/14/87
01	ME	BATES MILL (BATES FABRIC)	MED000903386	Fund Removal	001	8/14/88	12/14/88
01	ME	BRUNSWICK NAVAL AIR STATION	ME8170022018	PRP Removal	001	3/15/92	4/12/93
01	ME	BRUNSWICK NAVAL AIR STATION	ME8170022018	PRP Removal	002	10/26/94	12/12/94
01	ME	EASTERN SURPLUS CO	MED981073711	FF Removal	001	4/20/86	4/20/86
01	ME	EASTERN SURPLUS CO	MED981073711	FF Removal	002	7/11/88	12/16/88
01	ME	EASTERN SURPLUS CO	MED981073711	Fund Removal	001	11/19/87	7/28/90
01	ME	EASTERN SURPLUS CO	MED981073711	Fund Removal	002	10/19/89	
01	ME	EMPIRE KNIGHT	MED985475573	Fund Removal	001	8/31/93	11/2/94
01	ME	FIRESLATE, INC.	MED985475466	Fund Removal	001	7/6/94	6/30/95
01	ME	GREAT DIAMOND ISLAND	MED001407576	Fund Removal	001	4/18/83	4/18/83
01	ME	GREAT NORTHERN PAPER MILL #2	MED001098011	FF Removal	001	8/22/89	3/10/90
01	ME	GREEN STREET PROPERTY	MED980732309	Fund Removal	001	9/14/90	8/28/91
01	ME	HOOPER SANDS ROAD	MED985467180	Fund Removal	001	9/8/89	6/16/85
01	ME	INDUSTRIAL BOX & LUMBER INC.	MED985468198	Fund Removal	001	9/14/90	9/19/91
01	ME	ISLAND VIEW STREET	MED985467984	Fund Removal	001	8/6/90	8/17/90
01	ME	KENNEBEC RIVER (FLOOD)	MED982198715	Fund Removal	001	4/9/87	4/18/87
01	ME	KESWICK ROAD	MED001408647	Fund Removal	001	10/18/83	11/10/83
01	ME	LORING AIR FORCE BASE	ME8570024522	PRP Removal	001	1/30/91	12/20/91
01	ME	LORING AIR FORCE BASE	ME8570024522	PRP Removal	002	3/26/92	7/30/92
01	ME	LORING AIR FORCE BASE	ME8570024522	PRP Removal	003	3/26/92	
01	ME	LORING AIR FORCE BASE	ME8570024522	PRP Removal	004	10/19/94	1/6/95
01	ME	LORING AIR FORCE BASE	ME8570024522	PRP Removal	005	11/23/94	1/13/95
01	ME	LORING AIR FORCE BASE	ME8570024522	PRP Removal	006	4/3/95	
01	ME	LORING AIR FORCE BASE	ME8570024522	PRP Removal	007	4/3/95	
01	ME	LORING AIR FORCE BASE	ME8570024522	PRP Removal	008	4/3/95	
01	ME	LORING AIR FORCE BASE	ME8570024522	PRP Removal	009	4/3/95	
01	ME	LORING AIR FORCE BASE	ME8570024522	PRP Removal	010	4/3/95	
01	ME	LORING AIR FORCE BASE	MED985467182	Fund Removal	001	9/14/90	3/12/92
01	ME	MACNAIR, L. E., BUILDING	MED001107903	FF Removal	001	8/1/86	10/21/88
01	ME	MAINE RESOURCES	MED980524078	FF Removal	001	9/30/85	6/22/87
01	ME	MCKIN CO	MED985468073	FF Removal	001	10/19/90	10/20/90
01	ME	MINI SELF STORAGE INC.	MED980731475	FF Removal	001	12/21/84	6/11/85
01	ME	O'CONNOR CO	MED980731475	FF Removal	002	5/23/87	12/23/87
01	ME	PINETTE'S SALVAGE YARD	MED980732291	Fund Removal	001	3/11/83	11/5/83
01	ME	PORTSMOUTH NAVAL SHIPYARD	ME7170022019	PRP Removal	001	9/10/87	
01	ME	ROBSON RESIDENCE	MED985469147	Fund Removal	001	4/30/81	8/22/81
01	ME	ROBSON FIBRE MILL (COLONIAL FIBER)	MED000242578	Fund Removal	001	7/27/98	
01	ME	SACO MUNICIPAL LANDFILL	MED980504989	FF Removal	001	5/22/87	

01	ME	SACO TANNERY WASTE PITS	MED980520241	Fund Removal	001	7/7/83	10/13/83
01	ME	SEAWAY BOAT	MED982547960	Fund Removal	001	2/27/89	6/15/90
01	ME	SMITH'S JUNKYARD	MED985466028	Fund Removal	001	9/27/90	9/29/92
01	ME	UNION CHEMICAL CO. INC	MED042143883	Fund Removal	001	8/17/84	11/8/84
01	ME	VAN BUREN - MADAWASKA CORPORATION	MED985467232	FF Removal	001	9/28/90	9/28/95
01	ME	WATERBORO PATENT CORP	MED086676968	Fund Removal	001	3/10/89	7/6/89
01	ME	WATERVILLE MERCURY SPILL (LEWIS WOLMAN CO.)	MED000202431	Fund Removal	001	10/29/97	6/10/98
01	ME	WEST SITE/HOWS CORNERS	MED985468168	Fund Removal	001	9/25/90	12/7/95
01	ME	WINTHROP LANDFILL	MED980504435	FF Removal	001	6/30/84	11/1/84
01	NH	20TH SKEET & SPORTSMEN CLUB	NH0986489763	FF Removal	001	9/28/94	9/21/95
01	NH	A. C. LAWRENCE LEATHER	NH0990717696	Fund Removal	001	7/27/92	10/31/92
01	NH	ALLIED LEATHER/QUEEN STREET DUMP	NH0000642864	FF Removal	001	7/2/98	
01	NH	AUBURN ROAD LANDFILL	NH0980524086	Fund Removal	001	3/27/86	9/6/86
01	NH	AUBURN ROAD LANDFILL	NH0980524086	Fund Removal	001	8/10/88	6/19/89
01	NH	AVILITE INDUSTRIES	NH0980524086	Fund Removal	002	3/31/88	5/15/88
01	NH	BARNEY BASS JUNKYARD	NH001886902	FF Removal	001	9/15/88	6/16/88
01	NH	BARNYARD SITE PROPERTY	NH098647464	Fund Removal	001	3/11/91	6/14/91
01	NH	BEEBE RIVER	NH0980523211	Fund Removal	001	6/10/93	7/8/93
01	NH	BEEDE WASTE OIL	NH0018958140	Fund Removal	002	7/25/96	8/13/97
01	NH	BRIDGE STREET (37)	NH000877670	Fund Removal	001	12/19/94	3/3/95
01	NH	BURNS HILL ROAD AREA	NH0981203359	Fund Removal	001	3/3/86	6/6/86
01	NH	BURSEY SITE	NH0001407626	Fund Removal	001	5/20/85	5/28/85
01	NH	CONTOCOOK VALLEY PAPER COMPANY	NH0986471134	Fund Removal	001	8/10/92	2/19/93
01	NH	DANVILLE TIRE FIRE	NH0986468932	Fund Removal	001	9/10/89	2/26/91
01	NH	EAST DERRY ROAD AREA WELL CONTAMINATION	NH00102976	Fund Removal	001	12/3/97	9/30/98
01	NH	EAST DUNSTABLE ROAD (199)	NH0001966750	Fund Removal	001	10/15/97	4/16/98
01	NH	ELECTRO CIRCUITS-LACONIA	NH006433654	Fund Removal	001	8/24/85	9/28/85
01	NH	FIMBEL LANDFILL	NH0981211923	FF Removal	001	4/4/86	5/15/87
01	NH	FLETCHER'S PAINT STORAGE FACILITY	NH0981067614	Fund Removal	001	5/27/88	10/3/88
01	NH	FLETCHER'S PAINT WORKS & STORAGE	NH0001079649	FF Removal	001	7/28/95	9/14/95
01	NH	FLETCHER'S PAINT WORKS & STORAGE	NH0001079649	Fund Removal	001	5/23/88	10/10/88
01	NH	FLETCHER'S PAINT WORKS & STORAGE	NH0001079649	Fund Removal	002	9/25/91	12/11/91
01	NH	FLETCHER'S PAINT WORKS & STORAGE	NH0001079649	Fund Removal	003	7/12/93	4/17/94
01	NH	GARABEDIAN LANDFILL	NH0980523281	Fund Removal	001	9/7/89	3/15/91
01	NH	GENDRON JUNKYARD	NH0002323111	FF Removal	001	4/21/96	
01	NH	GENDRON JUNKYARD	NH0002323111	Fund Removal	001	9/6/98	
01	NH	GLIDDEN AUTO/EXON	NH0001407584	FF Removal	001	5/25/87	6/15/87
01	NH	GONIC REALTY TRUST & CHITTICK SITE	NH0986468015	Fund Removal	001	12/13/84	3/13/85
01	NH	GRANITE STATE PLATING	NH0066760927	FF Removal	001	1/28/90	6/14/90
01	NH	GREEN HILLS MOBILE HOME PARK AREA	NH0002002418	Fund Removal	001	1/14/97	4/21/98
01	NH	HALL STREET AREA	NH0981203391	Fund Removal	001	5/7/86	5/24/87
01	NH	HUDSON ASBESTOS AREA #1	NH0982201683	Fund Removal	001	5/23/85	5/23/85
01	NH	HUDSON ASBESTOS AREA #4	NH0982201626	Fund Removal	001	5/17/85	7/1/85

01	NH	HUDSON RESIDENCE	NH000029889	Fund Removal	001	11/30/84	12/16/84
01	NH	J. P. STEVENS TEXTILE	NH0001901123	Fund Removal	001	6/16/88	9/30/88
01	NH	J. P. STEVENS TEXTILE	NH0001901123	Fund Removal	002	11/16/88	
01	NH	J. TRONICS, INC.	NHD000769927	Fund Removal	001	10/9/88	11/26/88
01	NH	JANICE HILLS PROPERTY	NHSFN102975	Fund Removal	001	16/88	3/27/88
01	NH	JOHNS MANVILLE MANUFACTURING PLANT	NHD001065372	Fund Removal	001	7/11/95	11/12/97
01	NH	JOHNS MANVILLE	NH0001407550	Fund Removal	001	7/4/83	10/21/83
01	NH	KEARSARGE METALLURGICAL CORP	NHD06002001	Fund Removal	001	9/26/80	4/17/81
01	NH	KEEFE ENVIRONMENTAL SERVICES	NHD05059112	Fund Removal	001	2/28/81	12/14/82
01	NH	LAKE SUNAPEE	NHD982198525	Fund Removal	001	6/4/94	6/9/94
01	NH	LAMONT LABS	NH0000626192	Fund Removal	001	5/3/85	
01	NH	LEIGHTON MACHINE	NHD001078591	Fund Removal	001	8/25/94	
01	NH	LENZI POINT DRIVE PROPERTIES	NH0002002403	Fund Removal	001	2/8/95	2/8/95
01	NH	LOWELL ROAD ASBESTOS AREA	NHD980914527	Fund Removal	001	11/4/97	4/21/98
01	NH	MILTONIA MANAGEMENT INC. (GREENE TANNERY)	NHD98468429	Fund Removal	001	5/15/85	10/6/85
01	NH	MOTTOLO PIG FARM	NHD98603381	Fund Removal	001	6/26/89	3/5/92
01	NH	NASHUA RIVER	NH0002007169	Fund Removal	001	5/7/80	1/21/82
01	NH	NEW HAMPSHIRE PLATING CO	NHD001091453	Fund Removal	001	12/15/87	
01	NH	NEW HAMPSHIRE PLATING CO	NHD001091453	Fund Removal	001	9/7/89	11/27/91
01	NH	NEW HAMPSHIRE PLATING CO	NHD001091453	Fund Removal	002	10/7/94	1/31/96
01	NH	NIQUETTE DR ASBESTOS AREA 1	NHD982198533	Fund Removal	001	5/19/87	10/24/87
01	NH	NIQUETTE DR ASBESTOS AREA 2	NHD982198541	Fund Removal	001	5/19/87	10/24/87
01	NH	NOWELL ST ASBESTOS AREA	NHD982198582	Fund Removal	001	4/1/87	11/26/90
01	NH	OAKLAND AVE ASBESTOS AREA	NHD982198580	Fund Removal	001	4/1/87	11/26/90
01	NH	OTTATI & GOSS/KINGSTON STEEL DRUM	NHD950717647	Fund Removal	001	12/19/80	7/2/82
01	NH	OTTATI & GOSS/KINGSTON STEEL DRUM	NHD950717647	Fund Removal	002	6/23/89	2/15/90
01	NH	PAYNE PROPERTY	NH000002392	Fund Removal	001	11/4/97	4/21/98
01	NH	PCB DUMPING - LEBANON	NH0001900422	Fund Removal	001	5/22/97	6/6/97
01	NH	PLYWOOD RANCH	NHD986468971	FF Removal	001	9/16/86	5/24/88
01	NH	PLYWOOD RANCH	NHD986468971	FF Removal	002	9/24/80	8/1/82
01	NH	PLYWOOD RANCH	NHD986468971	Fund Removal	002	10/25/83	10/29/93
01	NH	RIDGE AVE ASBESTOS	NHD982198640	Fund Removal	001	4/23/84	5/11/84
01	NH	RODGERS, PATRICIA PROPERTY	NHD980913685	Fund Removal	001	9/17/89	3/21/90
01	NH	RUSSELL AVENUE ASBESTOS AREA	NHD982198657	Fund Removal	001	4/1/87	10/7/87
01	NH	SAVAGE MUNICIPAL WATER SUPPLY	NHD980671002	Fund Removal	001	5/2/83	5/12/83
01	NH	SHADY LANE ASBESTOS AREA	NHD980914485	Fund Removal	001	9/23/85	10/9/85
01	NH	SOUTH BANK ASBESTOS AREA	NHD982198685	Fund Removal	001	9/6/85	10/24/85
01	NH	SOUTH BANK ASBESTOS AREA	NHD982198685	Fund Removal	002	5/22/86	5/26/87
01	NH	SPALDING FIBRE	NH0001097666	FF Removal	001	9/12/95	11/8/96
01	NH	SURRETTE AMERICA BATTERY	NHD064430549	Fund Removal	001	4/2/95	8/22/95
01	NH	SURRETTE AMERICA BATTERY	NHD064430549	Fund Removal	002	12/6/98	
01	NH	SYLVESTER	NHD98363541	Fund Removal	001	12/11/80	10/25/82
01	NH	TAPPAN	NHD980524102	Fund Removal	001	9/15/88	9/30/88
01	NH	TIBBETTS ROAD	NHD989809469	Fund Removal	001	1/2/84	9/30/84

01	RI	POINT JUDITH	RI0687466354	Fund Removal	001	8/18/92
01	RI	PROVIDENCE RIVER	RI9690390027	Fund Removal	001	9/13/90
01	RI	ROBIN HOLLOW ROAD	RI0000836088	Fund Removal	001	2/21/95
01	RI	ROSE HILL REGIONAL LANDFILL	RI0980321025	FF Removal	001	4/16/93
01	RI	ROYAL MILLS	RI000087026	Fund Removal	001	12/5/94
01	RI	SPRAGUE INDUSTRIES	RI000087018	FF Removal	001	3/1/95
01	RI	STAMINA MILLS, INC	RI0980731442	Fund Removal	001	11/26/84
01	RI	STAMINA MILLS, INC	RI0980731442	Fund Removal	003	7/12/88
01	RI	STAMINA MILLS, INC	RI0980731442	Fund Removal	004	9/10/90
01	RI	TRANSFERMER DISPOSAL AREA	RI0987462618	Fund Removal	001	7/18/94
01	RI	WESTERLY DRUMS	RI069039026	Fund Removal	001	9/13/90
01	RI	WESTERN SAND & GRAVEL	RI0099764929	Fund Removal	001	3/2/80
01	VT	BENNINGTON MUNICIPAL SANITARY LANDFILL	VT0981064223	FF Removal	001	6/11/97
01	VT	BFI SANITARY LANDFILL (ROCKINGHAM)	VT0980520092	FF Removal	001	7/26/94
01	VT	CYANIDE SPILL	VT0982193905	Fund Removal	001	123/83
01	VT	DARLING HILL DUMP	VT0980520118	FF Removal	001	9/23/89
01	VT	JARD COMPANY	VT0048141741	Fund Removal	001	12/23/91
01	VT	JARD COMPANY	VT0048141741	Fund Removal	002	9/21/98
01	VT	OLD SPRINGFIELD LANDFILL	VT0000860239	FF Removal	001	6/30/84
01	VT	OLD SPRINGFIELD LANDFILL	VT0000860239	Fund Removal	001	6/16/87
01	VT	PINE STREET CANAL	VT0980523062	Fund Removal	001	3/11/85
01	VT	POWVAL TANNERY	VT0980910354	Fund Removal	001	4/12/83
01	VT	SPRINGFIELD SANDPITS	VT0980916949	Fund Removal	001	6/9/89
02	NJ	110 HADLEY AVENUE SITE	NJ0000112318	Fund Removal	001	2/2/94
02	NJ	3RD STREET SITE	NJ0982728776	Fund Removal	001	1/27/94
02	NJ	A R COMMUNICATIONS	NJ0986651594	Fund Removal	001	2/20/95
02	NJ	A.O. POLYMER	NJ0030253355	Fund Removal	001	9/30/96
02	NJ	ABANDON DRUM	NJ098689762	Fund Removal	001	4/27/84
02	NJ	ABANDONED GAS CYLINDERS	NJ0980771463	Fund Removal	001	4/26/91
02	NJ	AEROHAVEN AIRPORT	NJ0000896753	Fund Removal	001	1/6/82
02	NJ	AEROHAVEN AIRPORT	NJ0980530133	FF Removal	001	9/30/94
02	NJ	ANN ST SITES	NJ0986647709	FF Removal	002	3/15/95
02	NJ	ANN ST SITES	NJ0986647709	FF Removal	001	8/19/94
02	NJ	ANN ST SITES	NJ0986647709	Fund Removal	001	4/1/93
02	NJ	ARKANSAS COMPANY	NJ0986647709	Fund Removal	002	10/18/94
02	NJ	ART METAL U.S.A.	NJ0002155703	Fund Removal	001	10/18/94
02	NJ	ASBESTOS DUMP	NJ0986603009	Fund Removal	001	2/2/89
02	NJ	ASBESTOS DUMP	NJ0980654149	PPP Removal	001	3/3/97
02	NJ	ASBESTOS DUMP	NJ0980654149	PPP Removal	001	8/29/97
02	NJ	ASBESTOS DUMP	NJ0980654149	Fund Removal	002	2/25/88
02	NJ	ASBESTOS DUMP	NJ0980654149	Fund Removal	001	8/23/80
02	NJ	ASBESTOS DUMP	NJ0980654149	Fund Removal	002	11/15/90
02	NJ	ASBESTOS DUMP	NJ0980654149	Fund Removal	003	9/19/90
02	NJ	ASBESTOS DUMP	NJ0980654149	Fund Removal	004	12/16/94
02	NJ	ASBESTOS DUMP	NJ0980654149	Fund Removal	004	4/27/85

02	NJ	ASBESTOS DUMP	NJD980654149	Fund Removal	005	9/30/97	3/24/98
02	NJ	ATLANTIC DEVELOPMENT	NJD980528731	Fund Removal	001	10/4/91	9/22/92
02	NJ	ATLANTIC DEVELOPMENT	NJD980528731	Fund Removal	002	9/1/92	5/18/93
02	NJ	ATLANTIC OCEAN DRUM DUMP	NJD986571354	Fund Removal	001	7/24/89	7/24/89
02	NJ	ATLANTIC RESOURCES	NJD981558430	Fund Removal	001	2/5/87	7/28/88
02	NJ	AUGUSTA STREET PIER	NJD986652527	Fund Removal	001	11/29/93	1/30/95
02	NJ	AUGUSTA STREET PIER	NJD986652527	Fund Removal	002	2/15/95	2/15/95
02	NJ	AUGUSTA STREET PIER	NJD986652527	Fund Removal	003	6/13/96	6/13/96
02	NJ	AUGUSTA STREET PIER	NJD986652527	Fund Removal	004	4/30/97	4/30/97
02	NJ	B & C TOWING	NJD980528764	FF Removal	001	10/4/89	4/9/90
02	NJ	BADGER TECHNOLOGIES	NJD980755409	Fund Removal	001	6/14/96	12/23/96
02	NJ	BAY AVENUE TRAILER	NJ0001565951	Fund Removal	001	8/29/96	10/10/96
02	NJ	BAYONNE DRUM & BARREL CO	NJD009871401	FF Removal	001	9/30/96	
02	NJ	BAYONNE DRUM & BARREL CO	NJD009871401	FF Removal	001	7/14/94	9/28/95
02	NJ	BAYONNE DRUM & BARREL CO	NJD009871401	Fund Removal	002	9/29/95	
02	NJ	BEACH SPILL	NJD98644996	Fund Removal	001	4/2/93	6/17/93
02	NJ	BLAKELY LAUNDRY COMPANY INC	NJD986570919	Fund Removal	001	7/13/83	7/15/83
02	NJ	BLAKELY LAUNDRY COMPANY INC	NJD986581098	Fund Removal	001	7/22/91	7/29/91
02	NJ	BOG CREEK FARM	NJD986581098	Fund Removal	002	6/8/92	10/22/92
02	NJ	BOYDEN AVENUE SITE	NJD063157150	Fund Removal	001	3/15/90	9/24/90
02	NJ	BRADY IRON & METAL CO	NJD02162824	Fund Removal	001	5/12/95	5/21/96
02	NJ	BRIDGEPORT RENTAL & OIL SERVICES	NJD981877784	Fund Removal	001	10/26/83	11/28/84
02	NJ	BRIDGEPORT RENTAL & OIL SERVICES	NJD053292652	Fund Removal	001	4/23/81	12/28/81
02	NJ	BRIDGEPORT RENTAL & OIL SERVICES	NJD053292652	Fund Removal	002	6/21/82	7/20/82
02	NJ	BRIDGEPORT RENTAL & OIL SERVICES	NJD053292652	Fund Removal	003	4/4/83	7/8/83
02	NJ	BRIDGEPORT RENTAL & OIL SERVICES	NJD053292652	Fund Removal	004	2/10/84	2/23/84
02	NJ	BRIDGEPORT RENTAL & OIL SERVICES	NJD853292652	Fund Removal	005	1/8/84	1/19/84
02	NJ	BROOK INDUSTRIAL PARK	NJD053292652	Fund Removal	006	2/19/90	10/17/90
02	NJ	BROOK INDUSTRIAL PARK	NJD078251675	Fund Removal	001	12/14/90	12/28/91
02	NJ	BROOK INDUSTRIAL PARK	NJD078251675	Fund Removal	002	4/25/92	4/25/92
02	NJ	BROOK INDUSTRIAL PARK	NJD078251675	Fund Removal	003	5/1/97	5/1/97
02	NJ	BULLOCK PROPERTY	NJD986518031	Fund Removal	001	2/8/96	4/3/96
02	NJ	BURNIT FLY BOG	NJD96504697	Fund Removal	001	2/10/82	3/16/82
02	NJ	CALDWELL TRUCKING CO	NJD04796953	Fund Removal	001	8/6/90	10/1/90
02	NJ	CAMPPLAIN ROAD	NJD982271504	Fund Removal	001	5/6/86	5/6/86
02	NJ	CAMPPLAIN ROAD	NJD982271504	Fund Removal	002	10/16/86	10/16/88
02	NJ	CENTRAL STEEL DRUM CO	NJD011482577	Fund Removal	001	9/17/97	4/20/98
02	NJ	CHAMPALE LAB	NJD986539102	Fund Removal	001	7/7/92	7/16/92
02	NJ	CHAMPALE MANUFACTURING	NJ0001986048	Fund Removal	001	5/2/97	9/9/97
02	NJ	CHAPEL STREET SITE	NJ0000656579	Fund Removal	001	8/29/94	10/13/94
02	NJ	CHEMICAL CONTROL	NJD000607481	Fund Removal	001	4/5/84	4/6/84
02	NJ	CHEMICAL CONTROL	NJD000607481	Fund Removal	002	10/31/85	1/9/86
02	NJ	CHEMICAL INSECTICIDE CORP	NJD980484653	Fund Removal	001	2/16/86	2/26/88

02	NJ	CHEMICAL INSECTICIDE CORP	NJ0980484653	Fund Removal	002	3/7/89	3/13/89
02	NJ	CHEMICAL INSECTICIDE CORP	NJ0980484653	Fund Removal	003	9/13/90	9/21/90
02	NJ	CHEMICAL INSECTICIDE CORP	NJ0980484653	Fund Removal	004	6/2/83	6/4/83
02	NJ	CHEMICAL INSECTICIDE CORP	NJ0980484653	Fund Removal	005	4/7/94	5/9/94
02	NJ	CHEMICAL INSECTICIDE CORP	NJ0980484653	Fund Removal	006	6/6/94	6/6/94
02	NJ	CHEMICAL LEAMAN TANK LINES, INC	NJ0047321443	FF Removal	001	1/14/91	5/3/93
02	NJ	CHEMICAL LEAMAN TANK LINES, INC	NJ0047321443	FF Removal	001	3/6/87	3/28/87
02	NJ	CHEMSOL, INC	NJ090528889	Fund Removal	001	12/1/90	10/28/91
02	NJ	CHRISTIAN BEACON PRESS	NJ0001096817	Fund Removal	001	7/10/85	12/17/85
02	NJ	CHRONAR CORPORATION	NJ0986611838	FF Removal	001	7/13/92	1/27/93
02	NJ	CITY CHEMICAL CORP	NJ0001306414	Fund Removal	001	9/18/85	7/3/86
02	NJ	COLSON LUMBER	NJ0000656546	Fund Removal	001	8/25/94	10/4/94
02	NJ	COLTER ST.	NJ0982631428	Fund Removal	001	3/8/88	8/24/88
02	NJ	CONSOLIDATED CHEMEX	NJ0001046150	Fund Removal	001	2/23/95	8/24/95
02	NJ	CONUS CHEMICAL	NJ0986578094	FF Removal	001	11/26/90	8/6/91
02	NJ	COOPER RIVER	NJ0986578094	Fund Removal	001	2/12/90	11/26/90
02	NJ	CORNELL DUBILIER ELECTRONICS INC.	NJ0982540213	Fund Removal	001	2/17/88	2/21/88
02	NJ	CORNELL DUBILIER ELECTRONICS INC.	NJ0981557879	FF Removal	001	7/7/87	
02	NJ	CORNELL DUBILIER ELECTRONICS INC.	NJ0981557879	FF Removal	002	8/12/98	
02	NJ	CORNELL DUBILIER ELECTRONICS INC.	NJ0981557879	FF Removal	003	3/31/89	
02	NJ	CORNELL DUBILIER ELECTRONICS INC.	NJ0981557879	Fund Removal	001	8/7/87	5/1/98
02	NJ	COSDEN CHEMICAL COATINGS CORP	NJ0981557879	Fund Removal	002	3/29/98	
02	NJ	COTTERS INDUSTRIES	NJ0000966531	Fund Removal	002	7/10/89	
02	NJ	COTTERS INDUSTRIES	NJ0002542595	FF Removal	001	2/23/94	1/31/81
02	NJ	CUSTOM ART METALS	NJ0002542595	FF Removal	001	3/18/84	3/18/84
02	NJ	CUSTOM ART METALS	NJ000332528	FF Removal	002	3/22/94	9/23/94
02	NJ	CUSTOM DISTRIBUTION SERVICES	NJ0097408439	Fund Removal	001	6/15/94	5/22/95
02	NJ	CYLINDER RT. 440	NJ0986942536	Fund Removal	001	11/16/92	8/1/94
02	NJ	DE REWAL CHEMICAL CO	NJ0980761373	Fund Removal	001	10/29/92	12/30/92
02	NJ	DE REWAL CHEMICAL CO	NJ0980761373	Fund Removal	001	10/4/93	5/24/94
02	NJ	DELANCY ST. TRAILER	NJ0982181638	Fund Removal	002	6/21/96	7/17/96
02	NJ	DELANCY ST. TRAILER	NJ0982181638	FF Removal	001	8/1/86	11/25/86
02	NJ	DELAWARE RIVER	NJ0986578091	Fund Removal	001	4/11/86	8/1/86
02	NJ	DENZER & SCHAFER X-RAY CO	NJ0986578091	Fund Removal	001	6/25/87	6/25/87
02	NJ	DIAMOND ALKALI CO	NJ048644407	Fund Removal	001	4/24/96	9/27/96
02	NJ	DONNA ESTATES	NJ090528898	Fund Removal	001	7/28/83	11/29/84
02	NJ	DUANE MARINE	NJ090528898	Fund Removal	001	3/6/88	1/10/90
02	NJ	DUANE MARINE	NJ054528553	Fund Removal	001	7/12/84	7/13/84
02	NJ	DUFFIELD AVENUE	NJ0986574028	Fund Removal	002	7/23/84	12/16/84
02	NJ	DURALAC CHEMICAL CORP.	NJ0002150225	Fund Removal	001	12/22/89	4/11/90
02	NJ	DUTCH BOY PAINTS	NJ0986639177	Fund Removal	001	9/30/96	2/22/87
02	NJ	DUTCH BOY PAINTS	NJ0986639177	FF Removal	001	4/15/93	3/15/94
02	NJ	DUTCH BOY PAINTS	NJ0986639177	Fund Removal	001	2/12/93	5/14/93
02	NJ	EAST COAST ICE COMPANY	NJ0986570034	Fund Removal	001	4/10/95	7/7/95

02	NJ	EAST HANOVER SITE	NJD98657352	Fund Removal	001	4/22/88	7/15/88
02	NJ	EAST HANOVER SITE	NJD98657352	Fund Removal	002	9/10/88	9/30/88
02	NJ	EAST HANOVER TWP DRUM	NJD98659069	Fund Removal	001	4/22/88	9/30/88
02	NJ	EDISON CENTER REALTY	NJD98272884	FF Removal	001	5/24/83	12/31/92
02	NJ	EDWARD F. SEARS PROPERTY	NJ0000100792	Fund Removal	001	11/1/84	4/21/95
02	NJ	EDWARDS & EASTLACK PROPERTIES	NJD98693957	Fund Removal	001	4/1/83	8/26/83
02	NJ	ELLIS PROPERTY	NJD980528095	Fund Removal	001	3/13/89	4/19/90
02	NJ	EVOR PHILLIPS LEASING	NJD98054222	Fund Removal	001	1/10/97	8/8/97
02	NJ	EWAN PROPERTY	NJD80761385	Fund Removal	001	6/3/86	11/7/86
02	NJ	FABRITEX MILLS	NJD002158800	Fund Removal	001	2/20/91	11/4/91
02	NJ	FAIR LAWN WELL FIELD	NJD980654107	FF Removal	001	6/1/84	12/15/84
02	NJ	FAIR LAWN WELL FIELD	NJD980654107	FF Removal	002	8/25/86	2/15/87
02	NJ	FASCO FINISHING CO.	NJD002395713	Fund Removal	001	3/5/90	12/26/91
02	NJ	FEDERAL CREOSOTE SITE	NJ0001900281	Fund Removal	001	7/28/98	
02	NJ	FENWICK HICKS PROPERTY	NJ000133090	Fund Removal	001	10/6/94	1/13/95
02	NJ	FOUNDRY STREET TRAILER	NJD986932423	Fund Removal	001	7/26/92	9/15/92
02	NJ	FRANKLIN BURN SITE	NJD986570992	Fund Removal	001	3/13/97	5/15/97
02	NJ	FRANKLIN BURN SITE	NJD986570992	Fund Removal	002	3/13/97	5/15/97
02	NJ	FRANKLIN BURN SITE #1	NJ0001900430	Fund Removal	001	8/20/98	9/27/90
02	NJ	FRANKLIN BURN SITE #1	NJ0001900430	Fund Removal	002	3/29/93	5/25/93
02	NJ	FRANKLIN BURN SITE #2	NJD986571016	Fund Removal	001	9/20/89	9/27/80
02	NJ	FRANKLIN BURN SITE #2	NJD986571016	Fund Removal	002	9/20/89	9/27/80
02	NJ	FRANKLIN BURN SITE #3	NJD986520649	Fund Removal	001	3/26/93	5/25/93
02	NJ	FRANKLIN BURN SITE #4	NJD986520649	Fund Removal	001	2/17/93	5/25/93
02	NJ	FRANKLIN BURN SITE #5	NJD986520656	Fund Removal	001	10/26/92	5/25/93
02	NJ	FRANKLIN BURN SITE #6	NJD986520664	Fund Removal	001	9/24/82	5/25/93
02	NJ	FRANKLIN BURN SITE #7	NJD986533543	Fund Removal	001	10/16/92	5/25/93
02	NJ	FRIED INDUSTRIES	NJD986941637	Fund Removal	001	1/26/93	5/25/93
02	NJ	FRIED INDUSTRIES	NJD041828906	Fund Removal	001	2/3/86	2/10/86
02	NJ	FRIED INDUSTRIES	NJD041828906	Fund Removal	002	10/4/89	2/27/92
02	NJ	FRIED INDUSTRIES	NJD041828906	Fund Removal	003	3/18/98	
02	NJ	GENS LANDFILL	NJD980529192	Fund Removal	001	3/5/83	6/17/83
02	NJ	GENERAL COLOR CO.	NJD00542258	Fund Removal	001	3/16/96	6/8/98
02	NJ	GENERAL COLOR CO.	NJD002395394	Fund Removal	001	4/29/98	
02	NJ	GLEN RIDGE RADIUM SITE	NJD980765646	Fund Removal	001	12/6/83	12/31/80
02	NJ	GLOUCESTER CITY JR. SR. H. S	NJD000591289	Fund Removal	001	2/24/84	2/24/84
02	NJ	GOLDERE JUNKYARD	NJD986588978	Fund Removal	001	10/3/95	4/15/96
02	NJ	GOOSE FARM	NJD980530109	Fund Removal	001	12/11/80	9/21/81
02	NJ	GRAEBEL VAN LINES	NJD08474751	Fund Removal	001	10/22/88	
02	NJ	GRAND STREET MERCURY SITE	NJ0001327733	Fund Removal	001	1/6/96	
02	NJ	HARVEY - JERSEY CITY	NJD986510897	Fund Removal	001	6/26/91	1/27/92
02	NJ	HARVEY - JERSEY CITY	NJD986610897	Fund Removal	002	2/14/92	11/18/92
02	NJ	HARVEY-NEWARK	NJD986610905	Fund Removal	001	7/16/91	4/27/92

02	NJ	HAVEN AVENUE LEAD SITE	NJ0001801131	Fund Removal	001	6/25/98	
02	NJ	HEALEY & MUSPYG	NJ0986570668	Fund Removal	001	8/6/99	9/6/99
02	NJ	HELLER PROPERTIES	NJ0981187065	FF Removal	001	3/28/98	8/10/98
02	NJ	HENRY R. FELL & CO.	NJ0001759489	FF Removal	001	3/2/98	
02	NJ	HETERENE CHEMICAL CO.	NJ0986639474	FF Removal	001	9/30/98	
02	NJ	HIGGINS DISPOSAL	NJ0053102232	FF Removal	001	3/18/98	
02	NJ	HIGGINS DISPOSAL	NJ0053102232	Fund Removal	001	10/14/92	11/17/92
02	NJ	HIGGINS DISPOSAL	NJ0053102232	Fund Removal	002	5/14/93	7/2/93
02	NJ	HIGGINS DISPOSAL	NJ0053102232	Fund Removal	003	1/21/94	1/23/94
02	NJ	HIGGINS DISPOSAL	NJ0053102232	Fund Removal	004	9/30/96	
02	NJ	HIGGINS FARM	NJ0981490261	Fund Removal	001	3/16/87	7/18/89
02	NJ	HIGGINS FARM	NJ0981490261	Fund Removal	002	2/26/90	5/14/93
02	NJ	HIGGINS FARM	NJ0981490261	Fund Removal	003	7/20/92	5/14/93
02	NJ	HIGGINS FARM	NJ0981490261	Fund Removal	004	4/11/96	9/30/96
02	NJ	HILLSBOROUGH	NJ0982271447	Fund Removal	001	3/14/86	8/25/87
02	NJ	HOLLY CHEMICAL CO.	NJ0054728373	Fund Removal	001	10/12/89	4/20/90
02	NJ	HORSESHOE ROAD	NJ0980663678	Fund Removal	001	7/3/85	7/12/85
02	NJ	HORSESHOE ROAD	NJ0980663678	Fund Removal	002	10/8/92	12/18/92
02	NJ	HORSESHOE ROAD	NJ0980663678	Fund Removal	003	3/30/93	7/1/93
02	NJ	HORSESHOE ROAD	NJ0980663678	Fund Removal	004	9/30/96	3/19/97
02	NJ	HUDSAR INC	NJ0002151538	Fund Removal	001	2/25/93	10/6/95
02	NJ	IDEAL COOPERAGE INC	NJ0980632907	Fund Removal	001	12/27/90	11/29/91
02	NJ	IMPERIAL OIL CO./INC./CHAMPION CHEMICALS	NJ0980654099	FF Removal	001	9/28/89	11/14/91
02	NJ	IMPERIAL OIL CO./INC./CHAMPION CHEMICALS	NJ0980654099	Fund Removal	001	8/14/91	12/29/95
02	NJ	IMPERIAL OIL CO./INC./CHAMPION CHEMICALS	NJ0980654099	Fund Removal	003	6/14/93	9/26/95
02	NJ	IMPERIAL OIL CO./INC./CHAMPION CHEMICALS	NJ0980654099	Fund Removal	004	9/30/97	11/26/97
02	NJ	INDUSTRIAL LATEX CORP	NJ0981178411	Fund Removal	001	4/4/86	1/30/87
02	NJ	INDUSTRIAL LATEX CORP	NJ0981178411	Fund Removal	002	10/2/87	10/2/87
02	NJ	INDUSTRIAL LATEX CORP	NJ0981178411	Fund Removal	003	1/9/89	2/28/89
02	NJ	INDUSTRIAL LATEX CORP	NJ0981178411	Fund Removal	004	1/24/90	1/26/90
02	NJ	INDUSTRIAL LATEX CORP	NJ0981178411	Fund Removal	005	2/11/91	2/11/91
02	NJ	INDUSTRIAL LATEX CORP	NJ0981178411	Fund Removal	006	10/24/91	10/28/91
02	NJ	INTERNATIONAL METALLURGICAL SERVICES	NJ0981178411	Fund Removal	007	4/5/94	10/3/94
02	NJ	INTERNATIONAL METALLURGICAL SERVICES	NJ0982273559	Fund Removal	001	2/22/96	7/11/98
02	NJ	ISAAH HICKS PROPERTY	NJ0982273559	Fund Removal	002	9/21/96	8/21/99
02	NJ	JIS LANDFILL	NJ0000133116	Fund Removal	001	1/13/95	3/17/95
02	NJ	KAUFFMAN & MINTER, INC	NJ0097400998	Fund Removal	001	7/10/89	8/13/92
02	NJ	KAUFFMAN & MINTER, INC	NJ0002493054	Fund Removal	001	8/18/90	6/6/91
02	NJ	KAUFFMAN & MINTER, INC	NJ0002493054	Fund Removal	003	9/28/95	6/18/96
02	NJ	KAUFFMAN & MINTER, INC	NJ0002493054	Fund Removal	004	6/9/97	3/20/98
02	NJ	KEARNY DRUM DUMP #1	NJ0980770051	Fund Removal	001	1/8/85	5/3/85
02	NJ	KEARNY DRUM DUMP #2	NJ0980770059	Fund Removal	001	1/8/85	4/13/85

02	NJ	KEYSTONE METAL FINISHERS INC	NJ0011728656	Fund Removal	001	9/23/81	12/2/81
02	NJ	KEYSTONE METAL FINISHERS INC	NJ0049868036	Fund Removal	002	3/23/82	9/18/82
02	NJ	KIR-BUC LANDFILL	NJ0049868036	FF Removal	001	9/23/83	4/25/85
02	NJ	KIR-BUC LANDFILL	NJ0049868036	Fund Removal	001	12/11/80	10/23/82
02	NJ	KING OF PRUSSIA	NJ090505341	FF Removal	001	9/20/83	2/14/84
02	NJ	KING OF PRUSSIA	NJ090505341	Fund Removal	001	9/12/89	9/6/90
02	NJ	KING OF PRUSSIA	NJ090505341	Fund Removal	002	8/29/80	11/21/81
02	NJ	KING OF PRUSSIA	NJ090505341	Fund Removal	003	3/19/91	8/15/91
02	NJ	KRAMER TRENTON SITE	NJ0001811243	Fund Removal	001	12/9/96	3/12/97
02	NJ	LIPARI LANDFILL	NJ080505416	Fund Removal	001	12/11/80	9/25/81
02	NJ	LIPARI LANDFILL	NJ080505416	Fund Removal	002	8/30/82	5/19/83
02	NJ	LOCKWOOD STREET	NJ098273484	FF Removal	001	11/29/84	6/30/86
02	NJ	LOCKWOOD STREET	NJ098273484	Fund Removal	001	7/28/83	5/1/84
02	NJ	MAAS AND WALDSTEIN HWY	NJ002194454	Fund Removal	001	6/27/81	8/13/81
02	NJ	MAAS AND WALDSTEIN HWY	NJ002194454	Fund Removal	002	5/22/82	12/29/83
02	NJ	MAGIC MARKER INC	NJ09074085	Fund Removal	001	9/16/97	1/30/98
02	NJ	MALAGA ROAD ASH PILE	NJ000066019	Fund Removal	001	5/4/94	7/13/94
02	NJ	MALONE CHEMICAL INC.	NJ006711716	Fund Removal	001	7/17/87	10/22/87
02	NJ	MANHEIM AVENUE DUMP	NJ090654190	FF Removal	001	12/7/84	6/30/89
02	NJ	MAS LABS	NJ001468937	Fund Removal	001	7/9/96	7/11/96
02	NJ	MAYWOOD CHEMICAL CO	NJ090529762	PRP Removal	001	9/19/94	12/18/96
02	NJ	MAYWOOD CHEMICAL CO	NJ090529762	PRP Removal	002	10/9/95	
02	NJ	MAYWOOD CHEMICAL CO	NJ090529762	Fund Removal	001	6/1/82	9/21/87
02	NJ	MC NULTY TRUCKING	NJ001096925	Fund Removal	001	10/6/95	4/19/96
02	NJ	MEADOWLANDS PLATING & FINISHING INC.	NJ002405736	Fund Removal	001	12/9/88	
02	NJ	MECHANIC STREET REALTY CORP	NJ082179626	Fund Removal	001	11/3/97	
02	NJ	MINSEI KOGYO SHUJI KK AMERICA, INC	NJ090769145	Fund Removal	001	12/22/86	2/2/87
02	NJ	MINSEI KOGYO SHUJI KK AMERICA, INC	NJ090769145	Fund Removal	002	11/27/91	11/27/91
02	NJ	MINSEI KOGYO SHUJI KK AMERICA, INC	NJ090769145	Fund Removal	003	6/5/92	11/11/92
02	NJ	MONROE TWP CONTAMINATED SOIL	NJ090529408	Fund Removal	001	6/5/86	2/23/87
02	NJ	MONROE TWP CONTAMINATED SOIL	NJ000066027	Fund Removal	001	5/4/94	7/13/84
02	NJ	MONTCLAIR/WEST ORANGE RADIUM SITE	NJ090785663	Fund Removal	001	12/6/83	12/31/80
02	NJ	MONTGOMERY TOWNSHIP HOUSING DEVELOPMENT	NJ090654184	Fund Removal	001	9/13/88	1/5/90
02	NJ	MONTGOMERY TOWNSHIP HOUSING DEVELOPMENT	NJ090654184	Fund Removal	002	4/23/80	9/28/80
02	NJ	MORGAN ORDINANCE DEFOTAKATA/GILLESPIE	NJ098662619	Fund Removal	001	9/30/93	12/9/94
02	NJ	MUNICIPAL SWIMMING POOL	NJ098273450	Fund Removal	001	7/13/83	7/20/83
02	NJ	MYERS PROPERTY	NJ090654188	Fund Removal	001	5/14/84	8/22/84
02	NJ	MYERS PROPERTY	NJ090654188	Fund Removal	002	10/28/87	3/12/88
02	NJ	MYKROY CERAMICS	NJ090530745	FF Removal	001	7/5/89	12/3/93
02	NJ	N S C PLATING & POLISHING-12TH ST PLAT	NJ098628816	Fund Removal	001	8/8/05	8/8/05
02	NJ	NASCOLITE CORP	NJ002362705	Fund Removal	001	11/2/87	3/21/88
02	NJ	NASCOLITE CORP	NJ002362705	Fund Removal	002	10/1/86	
02	NJ	NAVAL AIR ENGINEERING CENTER	NJ1770023744	PRP Removal	001	9/15/94	2/21/87

02	NJ	NAVAL WEAPONS STATION EARLE (SITE A)	NJ0170022172	PRP Removal	001	11/23/94	4/5/95
02	NJ	NAVAL WEAPONS STATION EARLE (SITE A)	NJ0170022172	PRP Removal	002	7/1/95	3/27/97
02	NJ	NAVAL WEAPONS STATION EARLE (SITE A)	NJ0170022172	PRP Removal	003	9/20/96	3/27/97
02	NJ	NEAPARA RUBBER	NJ0002360881	Fund Removal	001	10/14/93	5/18/95
02	NJ	NEWARK HOUSING AUTH PROPERTY	NJ0980529424	Fund Removal	001	8/31/91	5/10/93
02	NJ	NEWARK ST ABANDONED TANKER	NJ0986649796	Fund Removal	001	9/28/93	1/21/94
02	NJ	NEWARK ST. ABANDONED CARGO BOX	NJ0986652790	Fund Removal	001	9/28/93	3/1/94
02	NJ	NEWTON CREEK CYLINDER SITE	NJ0001412261	Fund Removal	001	5/23/96	7/11/96
02	NJ	NL INDUSTRIES	NJ0061843249	Fund Removal	001	1/8/99	5/31/99
02	NJ	NL INDUSTRIES	NJ0061843249	Fund Removal	002	11/6/99	9/20/99
02	NJ	NL INDUSTRIES	NJ0061843249	Fund Removal	003	11/17/99	7/25/91
02	NJ	NL INDUSTRIES	NJ0061843249	Fund Removal	004	6/19/92	6/26/92
02	NJ	NL INDUSTRIES	NJ0061843249	Fund Removal	005	9/24/93	7/19/96
02	NJ	NON FERROUS RECYCLING CO	NJ0020711721	Fund Removal	001	5/8/99	7/17/98
02	NJ	NORTH 14TH STREET SITE	NJ0000030269	Fund Removal	001	9/29/95	12/29/95
02	NJ	NORTH AMERICAN PRODUCTS ACQUISITION	NJ0000669554	FF Removal	001	10/9/92	3/30/94
02	NJ	NORTH AMERICAN PRODUCTS ACQUISITION	NJ0000669554	FF Removal	002	4/19/94	9/19/94
02	NJ	NORTH AMERICAN PRODUCTS ACQUISITION	NJ0000669554	FF Removal	003	9/11/95	9/30/96
02	NJ	NORTH AMERICAN PRODUCTS ACQUISITION	NJ0000669554	FF Removal	001	10/12/95	11/7/96
02	NJ	NORTH AMERICAN PRODUCTS ACQUISITION	NJ0988566392	Fund Removal	001	10/14/98	9/21/99
02	NJ	NORTH HILL ROAD	NJ000129312	Fund Removal	001	2/18/94	3/30/94
02	NJ	NY SUSQUEHANNA & WESTERN RR PROPERTY	NJ000104819	Fund Removal	001	6/1/94	8/6/94
02	NJ	PACIFIC AVENUE DUMP	NJ0986639250	Fund Removal	001	7/23/92	9/17/92
02	NJ	PACIFIC AVENUE DUMP	NJ0986639250	Fund Removal	002	4/19/94	9/19/94
02	NJ	PAVILION AVENUE FIELD	NJ0001998055	FF Removal	001	9/11/97	11/4/92
02	NJ	PERONA BROS. TIRE FIRE	NJ0071456107	FF Removal	001	9/11/97	9/17/98
02	NJ	PETRO-CHEM RESOURCES CO INC.	NJ0130486327	Fund Removal	001	12/7/86	12/12/86
02	NJ	PHELPS PETROLEUM	NJ0000864323	Fund Removal	001	7/7/87	9/3/87
02	NJ	PICATINNY ARSENAL	NJ3210020704	PRP Removal	001	9/29/94	2/15/95
02	NJ	PICATINNY ARSENAL	NJ3210020704	PRP Removal	001	10/1/92	6/23/93
02	NJ	PICATINNY ARSENAL	NJ3210020704	PRP Removal	002	2/1/93	4/8/96
02	NJ	PINE VALLEY GOLF CLUB	NJ0075544858	PRP Removal	003	6/1/95	8/17/95
02	NJ	PITTSBURGH METALS & GRAPHICS	NJ0981490295	FF Removal	001	1/21/83	6/13/83
02	NJ	PITTSBURGH METALS & GRAPHICS	NJ0981490295	Fund Removal	001	4/15/98	7/2/98
02	NJ	POMONA OAKS RESIDENTIAL WELLS	NJ0980769350	Fund Removal	002	9/25/96	7/17/85
02	NJ	PULVERIZING SERVICES	NJ0980592142	FF Removal	001	3/29/85	6/30/88
02	NJ	PULVERIZING SERVICES	NJ0980592142	FF Removal	002	6/10/88	6/30/88
02	NJ	PULVERIZING SERVICES	NJ0980592142	Fund Removal	001	6/5/89	7/28/88
02	NJ	PULVERIZING SERVICES	NJ0980592142	Fund Removal	002	3/7/89	7/28/88
02	NJ	PULVERIZING SERVICES	NJ0980592142	Fund Removal	002	10/11/88	9/28/90
02	NJ	PVO INTERNATIONAL	NJ0063506085	FF Removal	001	9/30/94	3/28/95
02	NJ	PVO INTERNATIONAL	NJ0063506085	Fund Removal	001	8/14/93	11/15/93
02	NJ	PYROLAC CORPORATION	NJ0001271931	Fund Removal	001	6/12/97	2/13/98
02	NJ	QUANTA RESOURCES	NJ0000906442	FF Removal	002	3/16/92	7/28/92

02	NJ	QUANTA RESOURCES	NJ0000606442	FF Removal	003	12/14/95	12/31/97
02	NJ	QUANTA RESOURCES	NJ0000606442	FF Removal	004	9/27/96	5/15/98
02	NJ	QUANTA RESOURCES	NJ0000606442	FF Removal	005	9/30/96	
02	NJ	QUANTA RESOURCES	NJ0000606442	Fund Removal	001	4/3/85	11/10/85
02	NJ	QUEST PROPERTY SITE	NJ0000465375	FF Removal	001	7/27/94	8/4/94
02	NJ	QUEST PROPERTY SITE	NJ0000465375	Fund Removal	001	7/10/95	9/28/95
02	NJ	RARITAN CENTER - AREA 4	NJ0986571952	Fund Removal	001	7/7/90	7/18/90
02	NJ	RARITAN CENTER AREA 5	NJ0986573970	Fund Removal	001	7/14/90	8/1/90
02	NJ	RENORA, INC.	NJ0070415005	Fund Removal	001	10/23/84	10/31/84
02	NJ	RHM AUTOMOTIVE	NJ0001468945	Fund Removal	001	7/23/86	10/22/86
02	NJ	RINGWOOD MINES LANDFILL	NJ0980529739	FF Removal	001	6/26/87	6/5/89
02	NJ	RINGWOOD MINES LANDFILL	NJ0980529739	FF Removal	002	9/12/89	
02	NJ	ROEBLING STEEL CO	NJ0073732257	Fund Removal	001	10/26/87	8/31/89
02	NJ	ROEBLING STEEL CO	NJ0073732257	Fund Removal	002	10/25/90	8/5/91
02	NJ	ROEBLING STEEL CO	NJ0073732257	Fund Removal	003	10/5/98	
02	NJ	ROLLING KNOLLS LF	NJ0980505192	FF Removal	001	5/1/84	11/30/85
02	NJ	ROUTE 21 ABANDONED DRUMS	NJ0000228536	Fund Removal	001	4/14/94	4/15/95
02	NJ	ROUTE 561 DUMP	NJ0000453514	FF Removal	001	11/12/97	
02	NJ	ROUTE 561 DUMP	NJ0000453514	Fund Removal	001	9/7/95	10/3/95
02	NJ	ROUTE 561 DUMP	NJ0000453514	Fund Removal	002	5/22/97	10/11/97
02	NJ	ROYAL RECOVERY SYSTEMS	NJ0001021708	Fund Removal	001	2/1/85	8/1/85
02	NJ	SAMPSON TANK CLEANING	NJ0036117490	Fund Removal	001	1/14/98	
02	NJ	SANDY HOOK DRUMS	NJ0986640837	Fund Removal	001	11/16/91	1/7/92
02	NJ	SANLO PRODUCTS CORP	NJ000190256	Fund Removal	001	7/27/98	
02	NJ	SAVCOTE CHEMICAL LABS , INC	NJ0002328227	Fund Removal	001	1/14/98	
02	NJ	SAYREVILLE PESTICIDE DUMP	NJ0986623569	Fund Removal	001	10/8/92	9/28/93
02	NJ	SAYREVILLE PESTICIDE DUMP	NJ0986623569	Fund Removal	002	9/29/93	1/23/95
02	NJ	SCIENTIFIC CHEM PROCESSING INC	NJ0054050703	FF Removal	001	3/29/85	4/27/87
02	NJ	SCIENTIFIC CHEMICAL PROCESSING	NJ0070565403	FF Removal	001	10/23/85	12/15/86
02	NJ	SEARS SITE II	NJ0002507398	Fund Removal	001	4/26/94	9/27/94
02	NJ	SECOND STREET SITE	NJ0001090398	Fund Removal	001	9/14/95	8/26/97
02	NJ	SHARKEY LANDFILL	NJ0980505762	Fund Removal	001	2/28/92	4/21/92
02	NJ	SHARKEY LANDFILL	NJ0980505762	Fund Removal	002	7/1/92	7/15/92
02	NJ	SIGNO DELTA WAREHOUSE	NJ0982181448	Fund Removal	001	6/4/86	2/23/87
02	NJ	SILSONIX CORP	NJ0980786962	Fund Removal	001	8/13/90	12/4/91
02	NJ	SOBEL BROTHERS	NJ0986588093	Fund Removal	001	10/30/90	12/27/91
02	NJ	SONDEY PAINT	NJ0982272700	Fund Removal	001	12/2/88	7/19/89
02	NJ	SOUTH RIVER METALS	NJ0986615821	Fund Removal	001	11/30/92	4/8/93
02	NJ	ST. PAUL AVE. TRAILER SITE	NJ0001038676	Fund Removal	001	2/8/85	5/1/85
02	NJ	STACOR CORPORATION	NJ0046797783	Fund Removal	001	2/22/99	
02	NJ	STANDARD TANK CLEANING CORP	NJ0986292648	Fund Removal	001	3/3/94	12/12/94
02	NJ	STRATHMERE RIVER	NJ0982540197	Fund Removal	001	12/15/87	
02	NJ	STRUTHERS-DUNN INC	NJ0002348751	FF Removal	001	10/26/95	7/31/96

02	NJ	SUTARIA SITE	NJ0000103820	Fund Removal	001	1/19/84	1/25/84
02	NJ	SUTARIA SITE	NJ0000103820	Fund Removal	002	6/28/84	12/1/84
02	NJ	SYNKOTE PAINT	NJ0001394089	Fund Removal	001	9/15/89	1/3/91
02	NJ	TABERNACLE DRUM DUMP	NJ0980761357	FF Removal	001	2/19/84	11/30/84
02	NJ	TIDEWATER BALING	NJ0011534708	Fund Removal	001	8/16/89	9/28/89
02	NJ	TITAN LIGHTING FACILITY	NJ0986903959	Fund Removal	001	4/12/91	8/12/91
02	NJ	TRENTON DRUM CO	NJ0077078347	Fund Removal	001	8/12/91	7/26/91
02	NJ	TRENTON DRUM CO	NJ0077078347	Fund Removal	002	10/28/91	1/23/92
02	NJ	TROFF INCINERATION SITE	NJ0095275269	Fund Removal	001	9/18/92	7/2/93
02	NJ	TURNPIKE DUMP #5	NJ0980532899	FF Removal	001	8/12/92	2/19/93
02	NJ	TURNPIKE DUMP #5	NJ0980532899	Fund Removal	001	4/10/91	6/6/92
02	NJ	U.S. RADIUM CORP	NJ0980654172	FF Removal	001	6/30/89	2/28/91
02	NJ	U.S. RADIUM CORP	NJ0980654172	FF Removal	002	9/11/89	9/28/89
02	NJ	U.S. RADIUM CORP	NJ0980654172	Fund Removal	001	8/19/91	4/4/93
02	NJ	UDO FINISHING CO.	NJD139889327	Fund Removal	001	5/28/88	8/6/84
02	NJ	UNION COLD STORAGE TERMINAL	NJ0000182899	Fund Removal	001	3/22/84	9/29/85
02	NJ	UNITED STATES AVENUE BURN SITE	NJ0001120799	FF Removal	001	9/29/85	10/30/87
02	NJ	UNITED STATES AVENUE BURN SITE	NJ0001120799	FF Removal	002	5/9/87	5/30/90
02	NJ	UNIVERSAL OIL PRODUCTS/CHEMICAL DIVISION	NJ0002005106	Fund Removal	001	5/28/86	4/10/85
02	NJ	VALLEY BROOK AVENUE DRUM SITE	NJ0000377408	Fund Removal	001	6/24/84	3/27/86
02	NJ	VAN HOOK STREET SITE	NJ0001250000	Fund Removal	001	9/15/95	12/30/97
02	NJ	VANGUARD VINYL SIDING	NJ0982530073	FF Removal	001	2/6/87	7/2/83
02	NJ	VANGUARD VINYL SIDING	NJ0982530073	Fund Removal	001	12/10/92	10/21/84
02	NJ	VANGUARD VINYL SIDING	NJ0982530073	Fund Removal	002	10/21/84	6/18/92
02	NJ	VINELAND CHEMICAL CO., INC	NJ0002385664	Fund Removal	001	5/6/92	3/25/84
02	NJ	VINELAND CHEMICAL CO., INC	NJ0002385664	Fund Removal	002	10/13/92	3/20/85
02	NJ	VINELAND CHEMICAL CO., INC	NJ0002385664	Fund Removal	003	9/22/94	10/31/88
02	NJ	VINELAND STATE SCHOOL	NJ0980529887	Fund Removal	001	1/25/88	10/22/87
02	NJ	W.R. GRACEWAYNE INTERIM STORAGE (USD0E)	NJ1891837980	PRP Removal	001	11/3/95	8/2/86
02	NJ	W.R. GRACEWAYNE INTERIM STORAGE (USD0E)	NJ1891837980	PRP Removal	002	4/20/98	9/27/85
02	NJ	WALDICK AEROSPACE DEVICES, INC	NJ0054981337	Fund Removal	001	4/22/86	4/10/85
02	NJ	WALTON'S FARM	NJ0981877731	FF Removal	001	11/6/91	9/27/85
02	NJ	WARWICK LABORATORIES INC	NJ0001613306	Fund Removal	001	6/23/84	4/10/85
02	NJ	WELSBACH & GENERAL GAS MANTLE CONTAMINATION	NJ098620989	Fund Removal	001	1/15/98	9/21/90
02	NJ	WHITE CHEMICAL CORP	NJ0980755623	Fund Removal	001	9/7/90	12/6/91
02	NJ	WHITE CHEMICAL CORP	NJ0980755623	Fund Removal	002	10/1/90	7/30/91
02	NJ	WHITE CHEMICAL CORP	NJ0980755623	Fund Removal	003	11/28/98	6/14/85
02	NJ	WILLIAMS PROPERTY	NJ0980528945	Fund Removal	001	10/22/90	2/7/87
02	NJ	WOODWARD METAL PROCESSING	NJ0052436355	Fund Removal	001	9/30/84	12/18/95
02	NJ	YURGIN MOTORS	NJ0982790866	Fund Removal	001	9/26/86	9/30/84
02	NJ	ZSCHIEGNER REFINING	NJ0986443153	Fund Removal	001	11/3/92	8/14/92
02	NY	ADIRONDACK STEEL	NYD0002073633	Fund Removal	001	8/14/92	9/30/84
02	NY	ALCOA AGGREGATION SITE	NYD980906232	FF Removal	001	8/5/91	

02	NY	ALL PLATING CORP.	NYD001384072	Fund Removal	001	8/26/99
02	NY	AMENIA LANDFILL	NYD980641599	Fund Removal	001	10/12/98
02	NY	AMERICAN THERMOSTAT CO	NYD002066330	Fund Removal	001	9/3/85
02	NY	AMERICAN THERMOSTAT CO	NYD002066330	Fund Removal	002	10/27/86
02	NY	ANCHOR CHEMICALS	NYD001485226	FF Removal	001	9/29/95
02	NY	ANCHOR CHEMICALS	NYD001485226	FF Removal	002	7/11/96
02	NY	ANCHOR CHEMICALS	NYD001485226	FF Removal	002	9/29/95
02	NY	ANCHOR CHEMICALS	NYD001485226	FF Removal	002	7/11/96
02	NY	ANDOR CHEMICAL	NYD986894987	Fund Removal	001	1/29/90
02	NY	APPLE VALLEY SHOPPING CENTER	NYD986927713	Fund Removal	001	9/28/90
02	NY	APPLIED ENVIRONMENTAL SERVICES	NYD980535652	FF Removal	001	10/30/84
02	NY	AQUEDUCT ST SITE	NYD986943074	Fund Removal	001	2/9/91
02	NY	ARLINGTON AVE.	NYD986883379	Fund Removal	001	9/25/89
02	NY	ARLINGTON AVE.	NYD986883379	Fund Removal	001	8/29/91
02	NY	ARMONK WELLS	NYD980780696	Fund Removal	001	4/30/92
02	NY	ARSENIC MINES	NYD982531469	Fund Removal	001	3/3/87
02	NY	ARSENIC MINES	NYD982531469	Fund Removal	002	3/24/88
02	NY	ARSENIC MINES	NYD982531469	Fund Removal	002	3/1/88
02	NY	ARSENIC MINES	NYD131803041	Fund Removal	001	9/3/87
02	NY	ASBESTOS	NYD982181224	Fund Removal	001	12/19/86
02	NY	ASBESTOS FARMINGDALE	NYD982181224	Fund Removal	001	12/19/86
02	NY	ATLAS ELECTROPLATING	NYD002106540	Fund Removal	001	6/17/88
02	NY	ATLAS ELECTROPLATING	NYD002106540	Fund Removal	001	9/6/94
02	NY	B&K INSTRUMENTS	NYD000613109	Fund Removal	001	8/1/95
02	NY	B&K INSTRUMENTS	NYD000613109	Fund Removal	001	6/17/94
02	NY	BANCROFT PROPERTY	NYD000067595	Fund Removal	001	12/22/94
02	NY	BARGE 210 AND BERMAN NATHAN	NYD986973824	FF Removal	001	5/21/92
02	NY	BARNES RD. TIRE FIRE	NYD002024743	FF Removal	001	7/8/87
02	NY	BARNES RD. TIRE FIRE	NYD002024743	FF Removal	001	10/29/87
02	NY	BARRIER INDUSTRIES	NYD002014546	Fund Removal	001	2/16/94
02	NY	BARRIER INDUSTRIES	NYD002014546	Fund Removal	001	7/27/95
02	NY	BATAVIA LANDFILL	NYD980307693	FF Removal	001	4/8/91
02	NY	BATAVIA LANDFILL	NYD980307693	FF Removal	001	10/30/91
02	NY	BAYSHORE IND	NYD000136226	Fund Removal	001	8/9/85
02	NY	BAYSHORE IND	NYD000136226	Fund Removal	001	2/7/86
02	NY	BEC (BINGHAMPTON EQUIPMENT CO.) TRUCKING	NYD980768675	Fund Removal	001	9/7/90
02	NY	BEC (BINGHAMPTON EQUIPMENT CO.) TRUCKING	NYD980768675	Fund Removal	001	3/29/81
02	NY	BELL-FAB MFG. CORP.	NYD986941144	Fund Removal	001	6/25/97
02	NY	BELL-FAB MFG. CORP.	NYD986941144	Fund Removal	001	8/5/97
02	NY	BERN COLORS	NYD002013951	Fund Removal	001	2/10/82
02	NY	BERN COLORS	NYD002013951	Fund Removal	001	1/14/82
02	NY	BERN METALS	NYD013703632	FF Removal	001	9/29/92
02	NY	BERN METALS	NYD013703632	FF Removal	001	3/11/94
02	NY	BERN METALS	NYD013703632	Fund Removal	001	4/21/88
02	NY	BERN METALS	NYD013703632	Fund Removal	001	7/8/88
02	NY	BERN METALS	NYD013703632	Fund Removal	002	1/9/89
02	NY	BERN METALS	NYD013703632	Fund Removal	003	3/15/89
02	NY	BERN METALS	NYD013703632	Fund Removal	004	6/27/80
02	NY	BERN METALS	NYD013703632	Fund Removal	004	6/29/80
02	NY	BERN METALS	NYD013703632	Fund Removal	005	9/29/90
02	NY	BERN METALS	NYD013703632	Fund Removal	005	10/23/90
02	NY	BERN METALS	NYD013703632	Fund Removal	006	8/22/91
02	NY	BERN METALS	NYD013703632	Fund Removal	006	11/26/90
02	NY	BERN METALS	NYD013703632	Fund Removal	006	1/8/92
02	NY	BLACK BEAUTY	NYD986950244	FF Removal	001	10/15/91
02	NY	BLACK BEAUTY	NYD986950244	FF Removal	001	5/16/91
02	NY	BLOOMING GROVE DRUM DUMP	NYD982181232	Fund Removal	001	3/25/87
02	NY	BLOOMING GROVE DRUM DUMP	NYD982181232	Fund Removal	001	6/22/87
02	NY	BOSSERT MFG.	NYD002249563	Fund Removal	001	2/16/89
02	NY	BOSSERT MFG.	NYD002249563	Fund Removal	002	1/18/86
02	NY	BOSSERT MFG.	NYD002249563	Fund Removal	002	9/30/97
02	NY	BOSSERT MFG.	NYD002249563	Fund Removal	002	9/30/97
02	NY	BOYLE RD.	NYD986876076	Fund Removal	001	9/23/88
02	NY	BOYLE RD.	NYD986876076	Fund Removal	001	9/23/88
02	NY	BRISTOL STREET SITE	NYD002326437	Fund Removal	001	6/16/96
02	NY	BRISTOL STREET SITE	NYD002326437	Fund Removal	001	6/16/96
02	NY	BROOK HAVEN BLVD.	NYD986865429	Fund Removal	001	7/21/89
02	NY	BROOK HAVEN BLVD.	NYD986865429	Fund Removal	001	7/21/89
02	NY	BROOKHAVEN NATIONAL LABORATORY (USDOE)	NY789008975	PRP Removal	001	6/2/93
02	NY	BROOKHAVEN NATIONAL LABORATORY (USDOE)	NY789008975	PRP Removal	001	11/3/83
02	NY	BROOKHAVEN NATIONAL LABORATORY (USDOE)	NY789008975	PRP Removal	002	9/1/93
02	NY	BROOKHAVEN NATIONAL LABORATORY (USDOE)	NY789008975	PRP Removal	002	12/7/95

02	NY	BROOKHAVEN NATIONAL LABORATORY (USDOE)	NY7890008975	PRP Removal	003	3/31/94	6/10/94
02	NY	BROOKHAVEN NATIONAL LABORATORY (USDOE)	NY7890008975	PRP Removal	004	6/6/94	6/10/94
02	NY	BROOKHAVEN NATIONAL LABORATORY (USDOE)	NY7890008975	PRP Removal	005	12/16/94	3/6/97
02	NY	BROOKHAVEN NATIONAL LABORATORY (USDOE)	NY7890008975	PRP Removal	006	5/6/96	
02	NY	BROOKHAVEN NATIONAL LABORATORY (USDOE)	NY7890008975	PRP Removal	007	9/19/96	
02	NY	BROOKHAVEN NATIONAL LABORATORY (USDOE)	NY7890008975	PRP Removal	008	12/31/96	
02	NY	BROOKHAVEN NATIONAL LABORATORY (USDOE)	NY7890008975	PRP Removal	009	3/25/97	
02	NY	BROOKHAVEN NATIONAL LABORATORY (USDOE)	NY7890008975	PRP Removal	010	5/13/97	
02	NY	BROOKHAVEN NATIONAL LABORATORY (USDOE)	NY7890008975	PRP Removal	012	12/29/98	
02	NY	BROOKHAVEN NATIONAL LABORATORY (USDOE)	NY7890008975	PRP Removal	013	12/17/98	
02	NY	BROOKHAVEN NATIONAL LABORATORY (USDOE)	NY7890008975	PRP Removal	014	1/11/99	
02	NY	BUFFALO SEWER AUTHORITY	NY0001093657	Fund Removal	001	6/7/95	8/3/95
02	NY	BUSH TERMINALS, PIER SIX SITE	NY0987025137	FF Removal	001	2/1/93	3/9/93
02	NY	BYRON BARREL & DRUM	NY098706670	Fund Removal	001	8/13/84	12/20/84
02	NY	C & J DISPOSAL LEASING CO. DUMP	NY098706670	Fund Removal	002	9/6/90	3/29/91
02	NY	C & J DISPOSAL LEASING CO. DUMP	NY0981561954	FF Removal	001	1/14/92	6/29/93
02	NY	CAIRO DRINKING WATER SITE	NY0981561954	Fund Removal	001	11/19/90	12/27/90
02	NY	CANIN TRUCKING	NY0980202300	Fund Removal	001	12/2/98	
02	NY	CATSKILL CHROME PLATING INC	NY0009802380	Fund Removal	001	9/30/88	1/25/89
02	NY	CATSKILL CHROME PLATING INC	NY0982751667	Fund Removal	001	8/16/84	12/9/84
02	NY	CATSKILL TIRE FIRE	NY0982751667	Fund Removal	002	6/25/96	10/2/96
02	NY	CAYADUTTA CREEK	NY0988826237	Fund Removal	001	2/26/89	3/3/89
02	NY	CENTER ROAD ASBESTOS	NY0988854412	Fund Removal	001	6/17/86	9/4/86
02	NY	CHASE INTERIORS	NY0987004223	Fund Removal	001	6/2/92	8/24/92
02	NY	CIRCUITRON CORP	NY0981184229	Fund Removal	001	12/13/93	6/13/94
02	NY	CLAREMONT POLYCHEMICAL	NY0981184229	Fund Removal	001	9/15/88	9/28/88
02	NY	CLARK PLACE	NY0002044584	Fund Removal	001	9/22/88	1/17/89
02	NY	CLINTON ST. - BENDER AVE	NY0001565936	Fund Removal	001	9/3/96	1/11/95
02	NY	CLINTON ST. - BENDER AVE	NY0986954030	FF Removal	001	7/6/92	1/27/97
02	NY	CLOCK ROAD ASBESTOS	NY0986954030	FF Removal	002	9/30/93	1/11/95
02	NY	CLOTHIER DISPOSAL	NY0987007069	Fund Removal	001	6/12/92	8/24/92
02	NY	CLOTHIER DISPOSAL	NY0000511576	FF Removal	001	5/6/96	12/15/96
02	NY	COACHMAN CARTING	NY0000511576	Fund Removal	001	10/7/86	7/22/86
02	NY	COLE-ZAISER	NY0981183379	Fund Removal	001	10/7/92	6/1/95
02	NY	COLUMBIA MILLS	NY0981561996	Fund Removal	001	5/15/96	11/19/96
02	NY	COMMERCIAL DECAL	NY000285478	Fund Removal	001	10/5/95	9/18/97
02	NY	CORTESE LANDFILL	NY0001221209	Fund Removal	001	9/16/94	3/3/95
02	NY	CROUSE-HINDS CO LIGHTING PRODUCTS DIV	NY0980528475	FF Removal	001	1/30/95	1/30/96
02	NY	DARI SERVICES	NY0000728737	Fund Removal	001	9/25/97	12/19/97
02	NY	DUTCH HILL ASBESTOS	NY000275578	FF Removal	001	5/4/94	7/12/94
02	NY	EAGER ROAD ASBESTOS SITE	NY0987004231	Fund Removal	001	6/2/92	8/24/92
02	NY	EAST MORICHES	NY000118793	Fund Removal	001	6/29/95	7/6/95
02	NY	EAST MORICHES	NY0982181406	Fund Removal	001	2/13/87	12/28/88

02	NY	EAST RIVER	NYD986873832	Fund Removal	001	2/22/91	2/25/91
02	NY	ELECTRO-PROCESS INC.	NYD986883395	Fund Removal	001	6/10/89	7/25/90
02	NY	ELECTRUK BATTERY	NY0002464410	Fund Removal	001	6/19/96	
02	NY	ELLEN COURT	NYD982331477	Fund Removal	001	3/8/88	10/22/93
02	NY	ENRX. INC.	NYD175762616	Fund Removal	001	9/29/89	1/30/92
02	NY	ENVIROTECK 2	NYD039841601	FF Removal	001	6/11/90	5/28/93
02	NY	ENVIROTEK	NYD021744537	Fund Removal	001	5/18/89	9/18/90
02	NY	ERIE CANAL ABANDONED DRUMS	NYD986882371	Fund Removal	001	7/14/82	7/16/82
02	NY	EXPRESSWAY VILLAGE	NYD079941688	Fund Removal	001	11/2/89	11/17/90
02	NY	FOREST GLEN MOBILE HOME SUBDIVISION	NYD981560923	Fund Removal	001	4/18/89	10/1/90
02	NY	FOREST GLEN MOBILE HOME SUBDIVISION	NYD981560923	Fund Removal	002	10/6/93	11/2/93
02	NY	FORT ANN	NYD982531410	FF Removal	001	3/11/88	12/29/88
02	NY	FORT DRUM	NY4210020281	Fund Removal	001	8/24/87	9/22/87
02	NY	FORT TOTTEN	NYD680320429	Fund Removal	001	4/12/83	4/21/83
02	NY	FREEMAN INDUSTRIES INC	NYD001644905	Fund Removal	001	11/19/93	9/30/94
02	NY	FRIEDRICHSON'S COOPERAGE	NYD013351440	Fund Removal	001	10/14/94	12/19/96
02	NY	FRIENDSHIP DRIVE	NYD982271512	Fund Removal	001	3/26/86	2/28/89
02	NY	FRIENDSHIP FOUNDRY # 1	NYD175168495	Fund Removal	001	8/7/91	5/1/92
02	NY	FRIENDSHIP FOUNDRY # 2	NYD986942821	Fund Removal	001	10/24/91	1/31/92
02	NY	FRIENDSHIP FOUNDRY # 3	NYD986942813	Fund Removal	001	10/24/91	1/31/92
02	NY	FRONTIER CHEM WASTE	NYD043815703	FF Removal	001	9/30/93	5/16/94
02	NY	FRONTIER CHEM WASTE	NYD043815703	FF Removal	002	7/11/94	3/21/95
02	NY	FRONTIER CHEM WASTE	NYD043815703	Fund Removal	001	12/22/92	8/15/94
02	NY	FULTON TERMINALS	NYD980933099	FF Removal	001	11/10/86	2/8/87
02	NY	FULTON TERMINALS	NYD980933099	Fund Removal	001	7/15/86	12/15/86
02	NY	FULTON TERMINALS	NYD980933099	Fund Removal	002	5/2/87	5/4/87
02	NY	FULTON TERMINALS	NYD980933099	Fund Removal	003	8/20/87	9/3/87
02	NY	FULTON TERMINALS	NYD980933099	Fund Removal	004	2/14/90	2/23/90
02	NY	GASPORT ELEM SCHOOL	NYD100394840	Fund Removal	001	2/22/90	2/23/90
02	NY	GAZZOLA DRIVE	NYD982271484	Fund Removal	001	2/3/88	5/15/87
02	NY	GCL TIE AND TREATING INC	NYD981566417	Fund Removal	001	7/11/81	9/15/84
02	NY	GE MOREAU	NYD980526335	FF Removal	001	7/12/85	8/12/85
02	NY	GIBSON ROAD SITE	NYD989593978	Fund Removal	001	6/4/91	7/15/91
02	NY	GRIFFISS AIR FORCE BASE	NY4571924451	PRP Removal	001	4/26/93	1/13/94
02	NY	GRIFFISS AIR FORCE BASE	NY4571924451	PRP Removal	002	4/26/93	1/13/94
02	NY	GRIFFISS AIR FORCE BASE	NY4571924451	PRP Removal	003	4/26/93	1/13/94
02	NY	GRIFFISS AIR FORCE BASE	NY4571924451	PRP Removal	004	4/7/97	7/28/97
02	NY	GRIFFISS AIR FORCE BASE	NY4571924451	PRP Removal	005	4/17/97	11/4/97
02	NY	GUTERL SIMMONS-STEEL	NYD084174554	Fund Removal	001	6/3/86	
02	NY	HALSEY LANE SITE	NY0000100156	Fund Removal	001	1/18/94	9/21/94
02	NY	HERKIMER ASBESTOS SITE	NYD986981918	Fund Removal	001	11/5/91	11/15/91
02	NY	HEXAGON LABS	NYD046176075	Fund Removal	001	7/29/92	12/11/92
02	NY	HEXAGON LABS	NYD046176075	Fund Removal	002	2/1/93	4/23/93

02	NY	HIGH VIEW TERRACE	NYD982631113	Fund Removal	001	4/14/88	4/22/88
02	NY	HIGH VIEW TERRACE	NYD982331113	Fund Removal	002	1/29/88	4/13/89
02	NY	HIGH VIEW TERRACE	NYD982531113	Fund Removal	003	8/7/85	8/7/85
02	NY	HITEMAN LEATHER COMPANY	NYD981560915	Fund Removal	001	10/18/84	3/17/85
02	NY	HITEMAN LEATHER COMPANY	NYD981560915	Fund Removal	002	10/16/86	12/23/86
02	NY	HOPKINS AVENUE ABANDONED TRAILER	NYD002021889	Fund Removal	001	9/22/87	9/26/87
02	NY	HOWLAND HOOK MARINE TERMINAL	NYD0178174801	FF Removal	001	6/6/89	5/4/83
02	NY	HUDSON COAL TAR	NYD987039104	FF Removal	001	4/21/85	7/26/85
02	NY	HUDSON COAL TAR	NYD987039104	FF Removal	002	7/24/85	7/26/85
02	NY	HUDSON COAL TAR	NYD987039104	Fund Removal	001	10/19/84	3/24/85
02	NY	HUDSON RIVER	NYD982548295	Fund Removal	001	2/10/88	2/10/88
02	NY	HYDE PARK LF	NYD980506651	Fund Removal	001	7/2/87	7/2/87
02	NY	INDUSTRY COURT SITE	NYD001327725	Fund Removal	001	3/20/86	9/9/86
02	NY	JAGGER LANE SITE	NYD982181380	Fund Removal	001	5/6/85	9/12/86
02	NY	JEFFERSON STREET DRUM	NYD001046143	Fund Removal	001	2/21/85	4/7/85
02	NY	JERICHO TURNPIKE	NYD98927705	Fund Removal	001	9/27/91	9/27/91
02	NY	JOHN ROCK LF	NYD000094649	Fund Removal	001	5/13/84	6/23/84
02	NY	JOHNNY CAKE ROAD FARM	NYD986927697	Fund Removal	002	9/4/90	9/12/90
02	NY	JOHNNY CAKE ROAD FARM	NYD986927697	Fund Removal	003	3/21/91	3/29/91
02	NY	JOHNNY CAKE ROAD FARM	NYD986927697	Fund Removal	004	11/28/94	8/14/98
02	NY	KAMINLIK SITE	NYD98230174	Fund Removal	001	2/11/88	4/29/88
02	NY	KENTUCKY AVENUE WELL FIELD	NYD986565667	FF Removal	001	10/26/85	6/30/86
02	NY	KENTUCKY AVENUE WELL FIELD	NYD986565667	Fund Removal	001	3/15/85	9/8/86
02	NY	KENTUCKY AVENUE WELL FIELD	NYD986565667	Fund Removal	002	10/26/84	12/1/84
02	NY	KENTUCKY AVENUE WELL FIELD	NYD986565667	Fund Removal	003	7/22/86	7/30/86
02	NY	KING WINDOW	NYD982536369	Fund Removal	001	4/18/85	6/26/85
02	NY	LACKAWANNA FOUNDRY	NYD982024269	Fund Removal	001	3/22/89	11/5/88
02	NY	LAKE AVENUE MERCURY	NYD002329183	Fund Removal	001	9/3/86	5/1/88
02	NY	LAKE AVENUE SITE	NYD002339536	Fund Removal	001	3/6/88	5/1/88
02	NY	LEHIGH VALLEY RAILROAD	NYD986950251	Fund Removal	001	4/23/91	5/12/83
02	NY	LI TUNGSTEN CORP	NYD986882660	FF Removal	001	7/21/89	8/12/90
02	NY	LI TUNGSTEN CORP	NYD986882660	Fund Removal	001	1/5/86	1/12/86
02	NY	LI TUNGSTEN CORP	NYD986882660	Fund Removal	002	4/4/86	8/9/86
02	NY	LI TUNGSTEN CORP	NYD986882660	Fund Removal	003	9/30/86	10/29/88
02	NY	LIBERTY INDUSTRIAL FINISHING	NYD000337295	FF Removal	001	9/23/94	4/24/96
02	NY	LIBERTY INDUSTRIAL FINISHING	NYD000337295	FF Removal	002	9/25/98	
02	NY	LIBERTY INDUSTRIAL FINISHING CORP	NYD013583390	Fund Removal	001	7/15/88	1/20/89
02	NY	LINCOLN AVENUE	NYD982271462	Fund Removal	001	3/3/86	3/3/86
02	NY	LINCOLN AVENUE, PORT JEFFERSON	NYD987034105	Fund Removal	001	7/19/87	2/25/88
02	NY	LONG ISLAND SOUND	NYD986882389	Fund Removal	001	9/17/88	11/23/88
02	NY	LOVE CANAL	NYD000606947	Fund Removal	001	12/11/80	1/6/81
02	NY	MADISON WIRE WORKS CO INC	NYD0000512948	Fund Removal	001	6/23/86	9/9/87
02	NY	MARATHON BATTERY	NYD010959757	FF Removal	001	5/3/89	5/10/88

02	NY	MATTIACE PETROCHEMICAL CO., INC	NYD000512459	Fund Removal	001	2/5/88	6/15/88
02	NY	MATTIACE PETROCHEMICAL CO., INC	NYD000512459	Fund Removal	002	10/29/90	11/6/90
02	NY	MAYVILLE PESTICIDE SITE	NY000213876	Fund Removal	001	12/21/87	
02	NY	MEK SPILL- HICKSVILLE	NYD980763742	FF Removal	001	6/16/85	11/2/84
02	NY	MEK SPILL- HICKSVILLE	NYD980763742	Fund Removal	001	5/7/84	11/7/84
02	NY	MERCURY REFINING, INC	NYD982331402	Fund Removal	002	9/16/85	11/12/85
02	NY	MERCURY REFINING, INC	NYD048148175	Fund Removal	001	3/4/88	9/20/91
02	NY	MGM TEXTILES	NY0000100131	Fund Removal	001	5/19/94	12/12/94
02	NY	MIDDLEPORT ELEM SCH	NYD100394857	Fund Removal	001	2/23/90	2/23/90
02	NY	MILLER AVE.	NYD982531485	Fund Removal	001	2/19/88	7/21/88
02	NY	MORELAND FARM	NYD982273476	Fund Removal	001	7/24/87	9/2/87
02	NY	MORGAN CHEMICALS INC.	NYD00694257	FF Removal	001	8/21/97	
02	NY	MORGAN CHEMICALS INC.	NYD00694257	Fund Removal	001	10/23/97	
02	NY	MYSTERY DRUM	NYD987015252	Fund Removal	001	4/27/92	4/30/92
02	NY	NELSON GALVANIZING, INC	NYD001229350	FF Removal	001	2/12/91	11/8/91
02	NY	NEW HIGHWAY & 48TH ST.	NYD982273933	Fund Removal	001	2/27/87	8/28/87
02	NY	NEWSTEAD SITE	NYD986853387	FF Removal	002	7/1/92	
02	NY	NEWSTEAD SITE	NYD986853387	Fund Removal	001	8/29/89	9/27/89
02	NY	NEWTOWN CREEK SOLVENT DRUM	NYD987015245	Fund Removal	001	8/5/92	
02	NY	NIAGARA RIVER	NYD982540221	Fund Removal	001	3/15/88	10/6/89
02	NY	NOAH'S PATH	NYD982272726	Fund Removal	001	12/11/87	8/10/89
02	NY	NORTH BLOOMFIELD	NYD982161414	FF Removal	001	11/26/90	2/26/91
02	NY	NORTH BLOOMFIELD	NYD982161414	Fund Removal	001	12/2/95	6/3/98
02	NY	NORTH GATE MERCURY	NY0002323103	Fund Removal	001	3/3/98	3/20/98
02	NY	OAK LANE	NYD98682678	Fund Removal	001	4/17/89	12/28/90
02	NY	OAKVILLE DRUM SITE - LILCO	NYD981186893	FF Removal	001	2/28/91	7/20/92
02	NY	OAKVILLE DRUM SITE - WJF	NYD981186885	FF Removal	001	9/25/92	12/4/92
02	NY	OLEAN STEEL	NYD981004694	FF Removal	001	9/30/92	6/24/94
02	NY	OLEAN WELL FIELD	NYD980528657	FF Removal	001	11/14/89	2/23/90
02	NY	OLEAN WELL FIELD	NYD980528657	FF Removal	002	9/30/92	6/6/94
02	NY	OLEAN WELL FIELD	NYD980528657	Fund Removal	001	2/4/82	8/4/82
02	NY	OLEAN WELL FIELD	NYD980528657	Fund Removal	002	6/19/84	12/1/84
02	NY	OLEAN WELL FIELD	NYD980528657	Fund Removal	003	3/21/85	12/31/85
02	NY	ONONDAGA NATION - SITE B	NYD986853403	Fund Removal	001	8/22/90	4/16/91
02	NY	ONONDAGA NATION - SITE B	NYD986853403	Fund Removal	002	9/16/91	9/30/92
02	NY	ORCHARD PLAGE (QUAL KROM)	NYD071091282	Fund Removal	001	3/19/96	9/10/96
02	NY	PARTHEY LANE	NYD982271488	Fund Removal	001	11/14/86	7/16/87
02	NY	PATCLIN CHEMICAL CO	NYD986825790	FF Removal	001	9/22/94	9/26/96
02	NY	PATCLIN CHEMICAL CO	NYD986825790	Fund Removal	001	3/31/98	5/4/98
02	NY	PENDELTON HIGHWAY GARAGE	NY0001094036	Fund Removal	001	6/9/95	8/3/95
02	NY	PEREGRINE BUFFALO WAREHOUSE	NYD986842597	Fund Removal	001	9/5/91	4/1/92
02	NY	PETER COOPER	NYD980530265	FF Removal	001	10/24/96	4/22/97
02	NY	PHILMAR ELECTRONICS	NYD986876767	Fund Removal	001	9/28/89	5/18/92

02	NY	PHILMAR ELECTRONICS	NYD986878767	Fund Removal	002	10/6/92	6/3/93
02	NY	PHILMAR ELECTRONICS	NYD986878767	Fund Removal	003	2/24/93	6/17/93
02	NY	PHOTEC, INC	NYD064286031	Fund Removal	001	3/24/94	10/27/94
02	NY	PLATTSBURGH AIR FORCE BASE	NY4571924774	PRP Removal	001	10/1/92	8/12/93
02	NY	PLATTSBURGH AIR FORCE BASE	NY4571924774	PRP Removal	002	10/15/92	1/21/93
02	NY	PLATTSBURGH AIR FORCE BASE	NY4571924774	PRP Removal	003	10/15/92	2/10/93
02	NY	PLATTSBURGH AIR FORCE BASE	NY4571924774	PRP Removal	005	12/21/98	
02	NY	PLATTSBURGH AIR FORCE BASE	NY4571924774	PRP Removal	006	1/25/98	
02	NY	POLLUTION ABATEMENT SERVICES	NYD000511659	FF Removal	001	11/19/91	9/30/94
02	NY	POLLUTION ABATEMENT SERVICES	NYD000511659	FF Removal	002	9/30/94	9/25/97
02	NY	POLLUTION ABATEMENT SERVICES	NYD000511659	FF Removal	003	9/30/94	9/25/97
02	NY	POLLUTION ABATEMENT SERVICES	NYD000511659	Fund Removal	001	12/11/80	7/28/81
02	NY	POLLUTION ABATEMENT SERVICES	NYD000511659	Fund Removal	002	4/23/87	10/21/87
02	NY	POLYMER APPLICATIONS	NYD045170701	Fund Removal	001	3/14/94	5/23/95
02	NY	POLYMER APPLICATIONS	NYD045170701	Fund Removal	002	2/20/95	12/18/96
02	NY	PORT REFINERY	NYD98954046	Fund Removal	001	9/11/91	9/30/94
02	NY	PORT WASHINGTON LANDFILL	NYD98954206	FF Removal	001	5/1/90	7/27/90
02	NY	PRIMOSHIELD INC	NYD982181281	Fund Removal	001	3/21/86	4/30/87
02	NY	PYRIDIUM MERCURY DISPOSAL SITE	NYD000856237	FF Removal	001	12/1/94	3/28/96
02	NY	PYRIDIUM MERCURY DISPOSAL SITE	NYD000856237	Fund Removal	001	1/9/95	4/7/95
02	NY	PYRIDIUM MERCURY DISPOSAL SITE	NYD000856237	Fund Removal	002	9/30/97	
02	NY	PYRIDIUM MERCURY DISPOSAL SITE	NYD000856237	Fund Removal	003	3/18/98	8/5/98
02	NY	PYRIDIUM MERCURY DISPOSAL, SITE #2	NY0001062650	Fund Removal	001	2/27/95	3/9/95
02	NY	PYRIDIUM MERCURY DISPOSAL, SITE #2	NY0001062650	Fund Removal	002	10/26/95	6/6/96
02	NY	QUADRANT HILL ROAD	NY0001096627	Fund Removal	001	4/29/95	6/25/98
02	NY	QUANTA RESOURCES CORPORATION	NYD980592448	FF Removal	001	9/30/96	
02	NY	QUANTA RESOURCES CORPORATION	NYD980592448	Fund Removal	001	4/4/90	4/28/92
02	NY	QUANTA RESOURCES CORPORATION	NYD980592448	Fund Removal	002	6/4/97	9/18/97
02	NY	RADIUM CHEMICAL COMPANY	NYD001667972	Fund Removal	001	7/26/88	6/2/90
02	NY	RAECO PRODUCTS	NYD000692388	Fund Removal	001	1/27/97	5/10/97
02	NY	RESOLVE MANUFACTURING	NYD980492653	FF Removal	001	12/28/87	8/10/88
02	NY	REYNOLDS METALS CO	NYD00244967	FF Removal	001	9/10/90	
02	NY	RICHARDSON HILL ROAD LANDFILLPOND	NYD980507735	FF Removal	001	7/29/87	7/19/95
02	NY	RICHARDSON HILL ROAD LANDFILLPOND	NYD980507735	FF Removal	002	6/21/93	8/8/95
02	NY	RICHARDSON HILL ROAD LANDFILLPOND	NYD980507735	FF Removal	003	9/22/93	6/27/94
02	NY	RICHARDSON HILL ROAD LANDFILLPOND	NYD980507735	FF Removal	004	9/30/93	8/23/94
02	NY	RIPLEY TRUCK STOP	NYD987025160	Fund Removal	001	10/7/97	2/3/98
02	NY	ROBLIN STEEL	NYD002024487	Fund Removal	001	9/27/93	5/5/94
02	NY	ROCKAWAY METAL PRODUCTS	NYD002059202	FF Removal	001	11/9/92	4/26/93
02	NY	ROSEN BROTHERS SCRAP YARD/DUMP	NYD982272734	FF Removal	002	9/29/98	
02	NY	ROSEN BROTHERS SCRAP YARD/DUMP	NYD982272734	Fund Removal	001	7/17/87	12/8/88
02	NY	ROUTE 60 TIRE FIRE	NY0001096619	Fund Removal	001	4/27/95	5/1/95
02	NY	ROUTE 60 TIRE FIRE	NY0001096619	Fund Removal	002	8/14/95	8/16/95

02	NY	ROWE INDUSTRIES GND WATER CONTAMINATION	NYD981486664	Fund Removal	001	12/7/84	7/3/85
02	NY	RYE AUTO COLLISION WORKS	NYD0013165483	Fund Removal	001	7/2/82	8/13/82
02	NY	SABRE PARK	NYD0030222103	Fund Removal	001	10/10/88	7/19/89
02	NY	SALAMANCA DRUM SITE	NYD986871697	Fund Removal	001	9/20/88	10/7/89
02	NY	SAMMIS AVE SITE	NYD982181364	Fund Removal	001	7/3/85	11/29/85
02	NY	SARNEY FARM	NYD980535165	Fund Removal	001	9/29/87	5/11/92
02	NY	SCOTT CONTRACTING	NYD000656595	Fund Removal	001	8/19/94	8/30/94
02	NY	SEALAND RESTORATION, INC	NYD980535181	FF Removal	001	9/16/93	8/20/85
02	NY	SENECA ARMY DEPOT	NYD0213820930	PRP Removal	001	9/9/94	6/22/85
02	NY	SHIRLEY BROADWAY	NYD982181307	Fund Removal	001	12/6/85	9/25/87
02	NY	SHIRLEY WINDUS	NYD982181315	Fund Removal	001	7/24/85	3/14/86
02	NY	SIGNO TRADING - LYONS PLACE	NYD986967149	Fund Removal	001	5/15/84	7/3/84
02	NY	SIGNO TRADING KENSTON	NYD982272592	Fund Removal	001	3/25/87	6/20/87
02	NY	SIGNO TRADING COAT WAREHOUSE	NYD982181323	Fund Removal	001	5/6/85	5/20/87
02	NY	SIGNO TRADING MOUNT VERNON	NYD982181331	Fund Removal	001	12/8/86	11/26/87
02	NY	SINCLAIR REFINERY	NYD980535215	FF Removal	001	8/12/91	10/2/85
02	NY	SINCLAIR REFINERY	NYD980535215	FF Removal	002	8/2/94	7/28/85
02	NY	SINCLAIR REFINERY	NYD980535215	FF Removal	003	9/30/94	7/28/85
02	NY	SLATTERY STOVE SITE	NYD001298349	Fund Removal	001	12/2/91	5/2/82
02	NY	SMITHTOWN GROUNDWATER CONTAMINATION	NYD002318888	Fund Removal	001	4/8/98	
02	NY	SMITHTOWN GROUNDWATER CONTAMINATION	NYD002318889	Fund Removal	002	8/21/96	
02	NY	SMITHTOWN LF (ACTIVE)	NYD980762611	Fund Removal	001	6/18/87	8/20/83
02	NY	SMS INSTRUMENTS, INC	NYD901533165	Fund Removal	001	9/29/85	11/16/85
02	NY	SOLVENT SAVERS	NYD980421176	FF Removal	001	9/25/89	
02	NY	SOUTH GLENS FALLS DRAG STRIP SITE	NYD980789119	FF Removal	001	6/21/84	8/30/87
02	NY	SPECTRUM FINISHING CORP	NYD044686910	Fund Removal	001	1/4/97	
02	NY	SPECTRUM MAINTENANCE CORP	NYD130153117	Fund Removal	001	4/3/96	4/29/98
02	NY	SPECTRUM MAINTENANCE CORP	NYD000332924	Fund Removal	001	5/13/96	5/30/97
02	NY	ST LAWRENCE PULP & PAPER CORP	NYD000332924	Fund Removal	002	7/1/97	11/7/87
02	NY	STANTON CLEANERS AREA GROUND WATER CONTAMINATION	NYD047650197	Fund Removal	001	9/21/98	
02	NY	STERLING JAMESTOWN	NYD002134867	Fund Removal	001	9/24/96	2/14/97
02	NY	SUPERIOR METAL MANUFACTURING INC	NYD982184293	FF Removal	001	9/26/98	
02	NY	TECHEM, INC	NYD949199722	Fund Removal	001	10/12/84	12/17/86
02	NY	THREE RIVERS ASPHALT TERMINAL	NYD98954154	FF Removal	001	8/19/96	10/30/96
02	NY	TONOWANDA INDIAN RESERVATION, LF	NYD987038015	Fund Removal	001	7/4/93	7/15/83
02	NY	TORNE VALLEY ROAD SITE	NYD001407867	Fund Removal	001	4/20/96	4/24/96
02	NY	TOWN OF KENT DRUM	NYD982273468	Fund Removal	001	7/2/87	7/2/87
02	NY	TOWN OF POMPEY	NYD982272718	Fund Removal	001	5/22/87	8/28/91
02	NY	TOWN OF POMPEY	NYD982272718	Fund Removal	002	1/20/89	8/28/91
02	NY	TRI-CITIES BARREL CO., INC	NYD980509285	FF Removal	001	9/30/96	12/16/96
02	NY	TROMIC PLAYING CO., INC	NYD002059517	FF Removal	001	6/17/93	9/30/93
02	NY	TUSCARORA DRUM SITE	NYD001008315	Fund Removal	001	1/11/95	3/22/95
02	NY	UNION ROAD SITE	NYD982181422	Fund Removal	001	1/29/88	2/22/90

02	NY	UNITED PLATING	NYD986824280	Fund Removal	001	11/17/90	11/19/91
02	NY	UNIVERSAL IRONS & METAL	NYD986810206	Fund Removal	001	10/15/90	4/26/91
02	NY	UNIVERSAL IRONS & METAL	NYD986810206	Fund Removal	002	11/25/91	2/24/92
02	NY	VAN DER HORST #2	NYD986878775	Fund Removal	001	3/3/89	3/31/89
02	NY	VAN DER HORST #2	NYD986878775	Fund Removal	002	8/10/89	4/30/92
02	NY	VILLAGE OF VALLEY FALLS SITE	NYD980780928	Fund Removal	001	6/30/89	4/30/92
02	NY	VILLAGE OF VALLEY FALLS SITE	NYD986829319	Fund Removal	001	3/25/92	8/18/93
02	NY	WADING RIVER (FARM ROAD WEST)	NYD981081664	Fund Removal	001	1/17/85	5/6/86
02	NY	WAGNER SEED COMPANY	NYD05713315	FF Removal	001	1/8/86	12/30/87
02	NY	WALLKILL LF	NYD980535495	Fund Removal	002	6/15/92	
02	NY	WALLKILL WATERWELLS	NYD982181273	FF Removal	001	6/15/92	
02	NY	WALLKILL WATERWELLS	NYD982181273	Fund Removal	001	11/21/83	3/16/84
02	NY	WALLMORE ROAD DRUMS	NY000332536	Fund Removal	001	9/29/94	11/12/94
02	NY	WARD '79 LTD	NYD981187115	Fund Removal	001	4/5/95	5/6/95
02	NY	WIDE BEACH DEVELOPMENT	NYD98652259	Fund Removal	001	5/15/86	3/21/86
02	NY	WIDE BEACH DEVELOPMENT	NYD98652259	Fund Removal	002	10/29/86	12/18/86
02	NY	WIDE BEACH DEVELOPMENT	NYD980652259	Fund Removal	003	8/30/90	11/6/90
02	NY	YORK OIL CO	NYD000511733	FF Removal	001	9/30/94	7/1/95
02	NY	YORK OIL CO	NYD000511733	FF Removal	002	9/28/95	12/15/96
02	NY	YORK OIL CO	NYD000511733	Fund Removal	001	12/11/80	12/2/81
02	NY	YORK OIL CO	NYD000511733	Fund Removal	002	6/19/83	12/13/84
02	NY	YORK OIL CO	NYD000511733	Fund Removal	003	7/27/92	9/4/92
02	NY	YORK OIL CO	NYD000511733	Fund Removal	004	4/7/94	4/13/94
02	NY	YORK OIL CO	NYD000511733	Fund Removal	005	9/2/94	9/30/95
02	PR	CAMUY RIVER DUMP SITE	PRD98271496	Fund Removal	001	3/26/87	4/22/87
02	PR	CARIBBEAN SCIENTIFIC CORP.	PR000210476	Fund Removal	001	1/13/98	2/6/98
02	PR	CROSSLAND BOILERS SALES & SERVICE INC.	PRSF0204203	Fund Removal	001	2/5/99	3/19/99
02	PR	DORADO DRUM SITE	PRD982181463	Fund Removal	001	3/3/86	3/26/86
02	PR	JANSSEN INC.	PRD980536049	FF Removal	001	8/30/91	
02	PR	JUNCO'S LANDFILL	PRD980512362	FF Removal	001	9/30/91	10/21/91
02	PR	MURATTI ENVIRONMENT	PRD081017277	FF Removal	001	5/22/90	11/2/90
02	PR	PUERTO RICO ORGANICS, INC.	PRD98273435	Fund Removal	001	2/2/86	4/11/86
02	PR	UPJOHN FACILITY	PRD980301154	FF Removal	001	9/1/82	9/1/83
02	PR	V&M/ALBADELO	PRD987396101	Fund Removal	001	2/6/96	6/24/98
02	PR	VINELAND CHEMICAL OF PUERTO RICO	PRD000912287	Fund Removal	001	10/16/95	7/23/96
02	VI	CANEL BAY - ST. JOHN-	VID000912337	Fund Removal	001	7/23/85	9/15/87
02	VI	CHARIBE HOME CENTER	VID98287423	Fund Removal	001	3/8/90	7/17/90
02	VI	CHARLIE'S TRUCKING SITE	VI0001260697	Fund Removal	001	9/28/95	4/13/96
02	VI	ISLAND CHEMICAL CORP/V.I. CHEMICAL CORP	VID980651095	Fund Removal	001	9/13/89	10/24/91
02	VI	SOUTH GATE FARM	VID98267458	Fund Removal	001	3/8/80	7/17/80
02	VI	ST. THOMAS	VID98268702	Fund Removal	001	5/29/92	6/5/92
02	VI	SUB BASE PESTICIDES	VI0001260661	Fund Removal	001	9/27/95	5/1/96
02	VI	TUTU WELLFIELD	VID982272569	FF Removal	002	9/24/90	

02	VI	TUTU WELLFIELD	VID98272569	FF Removal	003	3/6/95	3/22/90
02	VI	TUTU WELLFIELD	VID98272569	Fund Removal	001	9/2/87	4/20/95
02	VI	TUTU WELLFIELD	VID98272569	Fund Removal	002	4/18/95	4/10/91
02	VI	UNIVERSITY OF VI	VID982657431	Fund Removal	001	3/9/90	5/15/98
02	VI	USVI SHED SITE	VID001291145	Fund Removal	001	10/17/95	7/17/90
02	VI	VI DEPT OF AGRICULTURE	VID98267449	Fund Removal	001	3/8/90	11/12/98
02	VI	VIRGIN ISLANDS DEPARTMENT OF HEALTH	VID002384329	Fund Removal	001	7/23/98	5/12/97
02	VI	WICO-WEST INDIAN COMPANY LTD	VID001164946	Fund Removal	001	10/14/95	1/31/95
03	DC	SOAP STONE CREEK	DC0001011766	Fund Removal	001	12/22/94	10/1/92
03	DE	16TH STREET QUARRY SITE WILMINGTON	DESFN0305308	Fund Removal	001	8/31/96	3/26/86
03	DE	AIRPORT ROAD ASBESTOS	DED984075481	Fund Removal	001	9/25/92	9/21/87
03	DE	ARMY CREEK LANDFILL	DED984944466	Fund Removal	001	3/24/86	3/17/88
03	DE	ASSAWOMAN BAY	DED984066290	Fund Removal	001	8/18/87	5/9/87
03	DE	ATLANTIC AVE DRUM SITE	DED981738469	Fund Removal	001	5/9/87	7/16/87
03	DE	AUGUSTINE BEACH / DEL RIVER	DED984088167	Fund Removal	001	6/9/87	9/18/80
03	DE	COKE'S SANITATION SERVICE LANDFILLS	DED980704860	FF Removal	001	9/30/88	12/14/87
03	DE	DELAWARE BAY DRUM	DED984068175	Fund Removal	001	8/25/87	6/20/90
03	DE	DELAWARE RIVER DRUMS	DED984075424	Fund Removal	001	8/20/90	11/26/91
03	DE	DELAWARE SAND & GRAVEL LANDFILL	DED000605972	FF Removal	001	10/18/91	2/23/95
03	DE	DELAWARE SAND & GRAVEL LANDFILL	DED000605972	FF Removal	002	8/12/92	5/31/94
03	DE	DEWEY BEACH CYLINDER	DED984067207	Fund Removal	001	3/7/84	8/22/90
03	DE	DIAMOND STATE SALVAGE	DED980122218	Fund Removal	001	4/28/97	9/30/85
03	DE	DOVER AIR FORCE BASE	DE8570024010	PRP Removal	001	8/14/85	1/28/88
03	DE	DOVER AIR FORCE BASE	DE8570024010	PRP Removal	002	9/30/87	9/30/85
03	DE	DOVER AIR FORCE BASE	DE8570024010	Fund Removal	001	8/14/85	9/28/95
03	DE	E.L DU PONT DE NEMOURS(NEWPORT LANDFILL)	DE8570024010	Fund Removal	001	6/10/93	7/20/95
03	DE	HALBY CHEMICAL CO	DE8980555122	FF Removal	001	2/3/95	8/21/82
03	DE	HARBESON DEAD SWAN SITE	DE8980303954	Fund Removal	001	3/6/99	5/22/92
03	DE	HARVEY & KNOTT DRUM, INC	DESFN0305412	Fund Removal	001	5/18/82	10/1/87
03	DE	INDIAN RIVER INLET CYLINDER	DED980713083	Fund Removal	001	4/13/92	2/8/90
03	DE	KREWATCH FARM SITE	DED984075416	Fund Removal	001	8/10/97	6/14/95
03	DE	KRIEGER'S LANDFILL	DED981039878	Fund Removal	001	11/6/87	10/8/93
03	DE	LEWIS COAL GAS	DED981736317	FF Removal	001	2/8/90	6/14/95
03	DE	MICUCIO BROTHERS	DED984086269	Fund Removal	001	8/24/94	10/8/93
03	DE	NANTICOKE HOMES	DED984075127	FF Removal	001	9/1/92	2/14/90
03	DE	NEW CASTLE ABANDONED CONTAINER SITE	DED054719851	Fund Removal	001	2/13/90	4/30/86
03	DE	NEW CASTLE CYLINDER	DED981736440	Fund Removal	001	2/27/86	9/30/86
03	DE	NEWPORT DRUM SITE	DE0001273465	Fund Removal	001	9/25/95	2/9/91
03	DE	NEWPORT DRUM SITE	DED984066896	Fund Removal	001	10/4/89	12/21/85
03	DE	NV(YORKLYN)	DED002337806	FF Removal	001	6/25/98	4/23/96
03	DE	PENINSULA PLATING SITE	DE0001167998	Fund Removal	001	8/4/95	
03	DE	RAINTREE VILLAGE	DED982368882	Fund Removal	001	1/30/88	
03	DE	SEAFORD-ARBUTUS WELL FIELD	DED984075523	FF Removal	001	6/30/93	

03	DE	SEALAND LIMITED	DED981033520	Fund Removal	001	12/1/83	6/1/84
03	DE	SIXTEENTH STREET QUARRY	DED981035058	Fund Removal	001	8/31/96	
03	DE	STANDARD CHLOINE OF DELAWARE, INC	DED041212473	FF Removal	001	1/5/86	12/4/87
03	DE	TYBOUTS CORNER LANDFILL	DED000606079	FF Removal	001	9/30/83	12/1/83
03	DE	TYBOUTS CORNER LANDFILL	DED000606079	FF Removal	002	12/19/84	8/15/86
03	DE	TYBOUTS CORNER LANDFILL	DED000606079	Fund Removal	001	1/28/82	10/13/82
03	DE	TYBOUTS CORNER LANDFILL	DED000606079	Fund Removal	002	8/6/87	6/27/87
03	DE	WILMINGTON DRUM SITE	DESPN0305387	Fund Removal	001	10/30/88	
03	MD	ABERDEEN PROVING GROUND (EDGEWOOD AREA)	MD2210020036	PRP Removal	001	4/5/90	8/23/91
03	MD	ABERDEEN PROVING GROUND (EDGEWOOD AREA)	MD2210020036	PRP Removal	002	10/10/90	2/11/91
03	MD	ABERDEEN PROVING GROUND (EDGEWOOD AREA)	MD2210020036	PRP Removal	003	2/3/92	4/8/92
03	MD	ABERDEEN PROVING GROUND (EDGEWOOD AREA)	MD2210020036	PRP Removal	004	2/10/92	5/13/92
03	MD	ABERDEEN PROVING GROUND (EDGEWOOD AREA)	MD2210020036	PRP Removal	005	9/4/92	9/4/92
03	MD	ABERDEEN PROVING GROUND (EDGEWOOD AREA)	MD2210020036	PRP Removal	006	9/16/92	9/16/92
03	MD	ABERDEEN PROVING GROUND (EDGEWOOD AREA)	MD2210020036	PRP Removal	007	10/26/92	12/2/92
03	MD	ABERDEEN PROVING GROUND (EDGEWOOD AREA)	MD2210020036	PRP Removal	008	1/15/92	5/11/93
03	MD	ABERDEEN PROVING GROUND (EDGEWOOD AREA)	MD2210020036	PRP Removal	009	1/16/92	4/12/93
03	MD	ABERDEEN PROVING GROUND (EDGEWOOD AREA)	MD2210020036	PRP Removal	010	3/25/93	10/1/93
03	MD	ABERDEEN PROVING GROUND (EDGEWOOD AREA)	MD2210020036	PRP Removal	011	5/3/93	9/30/93
03	MD	ABERDEEN PROVING GROUND (EDGEWOOD AREA)	MD2210020036	PRP Removal	012	7/12/93	12/31/93
03	MD	ABERDEEN PROVING GROUND (EDGEWOOD AREA)	MD2210020036	PRP Removal	013	11/25/96	12/23/96
03	MD	ABERDEEN PROVING GROUND (EDGEWOOD AREA)	MD2210020036	PRP Removal	014	11/25/96	12/21/96
03	MD	ABERDEEN PROVING GROUND (EDGEWOOD AREA)	MD2210020036	PRP Removal	015	1/6/97	1/13/97
03	MD	ABERDEEN PROVING GROUND (EDGEWOOD AREA)	MD2210020036	PRP Removal	016	7/5/95	1/6/97
03	MD	ABERDEEN PROVING GROUND (EDGEWOOD AREA)	MD2210020036	PRP Removal	017	4/16/98	4/17/98
03	MD	ABERDEEN PROVING GROUND(MICHAELSVILLE LF	MD3210021355	PRP Removal	001	5/1/89	7/1/89
03	MD	ABERDEEN PROVING GROUND(MICHAELSVILLE LF	MD3210021355	PRP Removal	002	6/1/89	1/30/92
03	MD	ABERDEEN PROVING GROUND(MICHAELSVILLE LF	MD3210021355	PRP Removal	003	9/5/90	3/5/91
03	MD	ABERDEEN PROVING GROUND(MICHAELSVILLE LF	MD3210021355	PRP Removal	004	9/3/90	1/20/91
03	MD	ABERDEEN PROVING GROUND(MICHAELSVILLE LF	MD3210021355	PRP Removal	005	9/15/90	11/15/90
03	MD	ABERDEEN PROVING GROUND(MICHAELSVILLE LF	MD3210021355	PRP Removal	006	6/19/91	4/10/93
03	MD	ABERDEEN PROVING GROUND(MICHAELSVILLE LF	MD3210021355	PRP Removal	007	4/1/93	9/30/93
03	MD	ABERDEEN PROVING GROUND(MICHAELSVILLE LF	MD3210021355	PRP Removal	008	4/30/93	7/31/94
03	MD	ABERDEEN PROVING GROUND(MICHAELSVILLE LF	MD3210021355	PRP Removal	009	8/22/94	9/16/94
03	MD	ABERDEEN PROVING GROUND(MICHAELSVILLE LF	MD3210021355	PRP Removal	010	8/22/97	3/13/98
03	MD	ABERDEEN PROVING GROUND(MICHAELSVILLE LF	MD3210021355	PRP Removal	011	5/4/98	
03	MD	AINSWORTH PAINT MFG. SITE	MDD02572786	PRP Removal	011	5/4/98	8/29/98
03	MD	BACK RIVER	MDD985417195	Fund Removal	001	2/23/95	
03	MD	BALTIMORE IRON & METAL	MDD981739065	Fund Removal	001	10/16/90	11/6/90
03	MD	BELTSVILLE AGRICULTURAL RESEARCH (USDA)	MDD0120508940	Fund Removal	001	10/21/83	2/1/84
03	MD	CALIFORNIA DRUM SITE	MDD980918296	PRP Removal	001	6/23/93	1/31/94
03	MD	CAPITAL ASSAY LABS SITE	MDD108981531	Fund Removal	001	10/19/83	12/12/83
03	MD	CAPITAL ASSAY LABS SITE	MDD108981531	FF Removal	001	7/13/87	2/3/90
03	MD	CAPITAL ASSAY LABS SITE	MDD108981531	Fund Removal	001	5/25/87	6/27/87

03	MD	CARDINAL COMPLIANCE	MDD003095270	FF Removal	001	4/8/97	12/9/07
03	MD	CECIL CITY LANDFILL	MDD980504211	FF Removal	001	5/24/85	7/30/85
03	MD	CEMETARY LANE	MDD986386632	Fund Removal	001	3/30/90	1/15/91
03	MD	CENTRAL CHEMICAL (HAGERSTOWN)	MDD003061447	FF Removal	001	2/28/97	6/12/87
03	MD	CHEMICAL METALS	MDD98055478	Fund Removal	001	10/16/81	3/31/82
03	MD	CHEMICAL METALS	MDD98055478	Fund Removal	002	9/26/88	
03	MD	CHERRY PIT DRUM	MDD000146867	Fund Removal	001	4/6/96	7/29/86
03	MD	COLUMBIA PARK DRUM SITE	MDD981737042	Fund Removal	001	10/26/84	1/23/85
03	MD	DRUMCO DRUM DUMP	MDD985386119	Fund Removal	001	7/1/91	6/5/92
03	MD	EAGLE HARBOR TIRE FIRE	MDD88408491	Fund Removal	001	3/10/92	3/15/92
03	MD	EASTERN MD WOOD TREATING CO	MDD981040207	Fund Removal	001	11/12/91	2/2/98
03	MD	ELKTON FARM	MDD985407196	Fund Removal	001	2/24/82	6/23/82
03	MD	EVANS TRAIL DUMP SITE	MDD980918601	Fund Removal	001	7/12/84	8/8/84
03	MD	INDIAN HEAD NAVAL SURFACE WARFARE CENTER	MD1710024684	PRP Removal	001	10/31/98	12/15/98
03	MD	IRON HILL ROAD DRUM SITE	MDD980691190	Fund Removal	001	3/5/87	3/5/88
03	MD	J AND L INDUSTRIES INC	MDD022527564	Fund Removal	001	5/13/83	3/1/84
03	MD	KANE & LOMBARD STREET DRUMS	MDD980923783	Fund Removal	001	5/8/84	8/8/84
03	MD	KANE & LOMBARD STREET DRUMS	MDD980923783	Fund Removal	002	3/23/87	5/5/87
03	MD	LIMESTONE ROAD	MDD980691588	Fund Removal	001	6/30/83	4/29/84
03	MD	LOCOMOTIVE JUNKYARD	MDD981739113	Fund Removal	001	3/5/84	3/15/84
03	MD	M.V. SANTA CLARA I	MDD985499275	Fund Removal	001	3/19/82	5/22/82
03	MD	MARINACE FICAM SITE	MDSFN0305383	Fund Removal	001	10/12/98	
03	MD	MIDDLETOWN ROAD DUMP	MDD980705099	Fund Removal	001	6/25/83	12/23/83
03	MD	MONTGOMERY BROTHERS	MDD980705214	Fund Removal	001	6/16/82	8/6/82
03	MD	MONTGOMERY BROTHERS	MDD980705214	Fund Removal	002	11/2/82	12/9/82
03	MD	NAZCON CONCRETE E.R.	MDSFN0305379	Fund Removal	001	9/4/86	8/30/88
03	MD	OAKLAND JUNKYARD SITE	MDD981739584	Fund Removal	001	11/26/86	3/28/86
03	MD	ORDNANCE PRODUCTS, INC.	MDD982364341	FF Removal	001	6/27/88	2/12/94
03	MD	ORDNANCE PRODUCTS, INC.	MDD982364341	FF Removal	002	12/30/88	2/29/94
03	MD	ORDNANCE PRODUCTS, INC.	MDD982364341	FF Removal	003	8/11/84	5/15/97
03	MD	PATUXENT RIVER NAVAL-AIR STATION	MDD982364341	FF Removal	004	10/20/87	3/5/88
03	MD	PATUXENT RIVER NAVAL-AIR STATION	MD1710024536	PRP Removal	001	3/26/96	3/5/98
03	MD	PATUXENT RIVER NAVAL-AIR STATION	MD1710024536	PRP Removal	002	10/9/97	3/5/98
03	MD	PATUXENT RIVER NAVAL-AIR STATION	MD1710024536	PRP Removal	005	10/9/97	3/5/98
03	MD	PLATING SITE	MDD981736242	Fund Removal	001	11/4/85	2/18/86
03	MD	R.M.R.	MDD000634717	Fund Removal	001	8/15/84	1/27/95
03	MD	ROGERS ELECTRIC	MDD024275257	FF Removal	001	8/17/82	6/1/83
03	MD	SAND, GRAVEL & STONE	MDD980705164	Fund Removal	001	7/5/184	9/10/84
03	MD	SECURITY BLVD SITE	MDD981035405	Fund Removal	001	9/25/84	4/7/85
03	MD	SKIPJACK CHEMICALS, INC.	MDD985390327	Fund Removal	001	7/28/91	9/30/91
03	MD	SKIPJACK CHEMICALS, INC.	MDD985390327	Fund Removal	003	4/1/97	6/20/97
03	MD	SMALL LAB SITE	MDD98382458	Fund Removal	001	12/29/80	5/15/81
03	MD	SNOW HILL LANE SITE	MDD981108467	Fund Removal	002	2/4/91	6/4/91
03	MD	SOUTHERN MARYLAND WOOD TREATING	MDD980704852	Fund Removal	001	3/15/85	3/31/86

03	PA	AMBLER ASBESTOS PILES	PAD000486436	Fund Removal	001	3/28/84	5/29/84
03	PA	AMBLER ASBESTOS PILES	PAD000496436	Fund Removal	002	8/22/84	5/21/85
03	PA	AMBLER ASBESTOS PILES	PAD000496436	Fund Removal	003	1/27/89	2/2/90
03	PA	AMCHEM PROD INC	PAD002346324	FF Removal	001	8/26/86	1/22/99
03	PA	AMERICAN INSULATOR COMPANY HSCA	PAD075274431	Fund Removal	001	10/28/86	10/28/87
03	PA	AMERICAN STREET TANNERY	PAD981939267	Fund Removal	001	8/6/87	7/14/88
03	PA	AMERICAN STREET TANNERY	PAD981939267	Fund Removal	002	8/26/90	7/6/90
03	PA	AMERICAN STREET TANNERY	PAD981939267	Fund Removal	003	1/29/85	21/5/85
03	PA	APACHE WASTE OIL	PAD004394683	Fund Removal	001	4/19/87	4/19/87
03	PA	ASHLAND CHEMICAL CO	PAD987341716	Fund Removal	001	6/19/91	9/7/95
03	PA	AUSTIN AVENUE RADIATION SITE	PAD987341716	Fund Removal	002	5/17/95	5/19/95
03	PA	AUSTIN AVENUE RADIATION SITE	PAD987341716	Fund Removal	003	10/6/95	11/2/95
03	PA	AUSTIN AVENUE RADIATION SITE	PAD004344008	Fund Removal	001	3/31/85	5/9/85
03	PA	B F G ELECTROPLATING	PAD004344008	Fund Removal	002	4/1/85	8/22/85
03	PA	B F G ELECTROPLATING	PAD987277977	Fund Removal	001	6/18/90	12/3/90
03	PA	BAHN WAREHOUSE	PAD987389524	Fund Removal	001	4/7/83	4/22/93
03	PA	BAKER BROTHERS SCRAP YARD	PAD987389524	FF Removal	001	3/29/91	9/19/91
03	PA	BALDWIN DEFENCE	PAD987285079	FF Removal	001	10/20/93	6/6/97
03	PA	BAREFOOT DISPOSAL	PAD981040611	FF Removal	003	8/22/96	
03	PA	BAREFOOT DISPOSAL	PAD981040611	FF Removal	004	4/5/81	
03	PA	BAREFOOT DISPOSAL	PAD002298107	FF Removal	001	1/28/95	11/3/95
03	PA	BAY PRODUCTS SITE	PAD981035728	Fund Removal	001	5/25/83	9/27/84
03	PA	BEIDLER ROAD SITE	PAD982364036	FF Removal	001	1/14/88	2/26/90
03	PA	BELFIELD AVENUE SITE	PAD982364036	Fund Removal	001	8/20/87	10/11/89
03	PA	BELFIELD AVENUE SITE	PAD982364036	Fund Removal	002	8/24/87	10/24/89
03	PA	BELFIELD AVENUE SITE	PAD982364036	Fund Removal	003	7/18/94	12/16/94
03	PA	BELFIELD AVENUE SITE	PAD000694513	FF Removal	001	8/18/94	10/1/96
03	PA	BELFIELD PAINT	PAD981756507	Fund Removal	001	3/17/85	7/25/86
03	PA	BENSALEM DRUM DUMP	PAD980358649	Fund Removal	001	9/25/91	5/8/92
03	PA	BERKLEY PRODUCTS CO DUMP	PAD000851810	Fund Removal	001	8/1/90	8/3/90
03	PA	BERKS LANDFILL	PAD000851810	Fund Removal	001	4/22/83	6/15/84
03	PA	BERKS SAND PIT	PA-D980691794	Fund Removal	001	6/18/92	12/11/92
03	PA	BOARHEAD FARMS	PAD04726161	Fund Removal	001	4/17/90	6/13/91
03	PA	BOLLINGER STEEL PLANT	PAD987275346	Fund Removal	001	5/4/83	5/19/83
03	PA	BOYERTOWN SCRAP	PAD037572052	Fund Removal	001	12/30/94	9/28/95
03	PA	BOYLE GALVANIZING	PAD000569244	FF Removal	001	7/28/94	7/28/94
03	PA	BOYLE GALVANIZING	PAD000569244	Fund Removal	001	12/13/93	10/10/94
03	PA	BRESLUBE-PENN, INCORPORATED	PAD09867695	Fund Removal	001	7/2/96	1/8/97
03	PA	BRESLUBE-PENN, INCORPORATED	PAD09867695	Fund Removal	002	4/9/81	4/30/82
03	PA	BRODHEAD CREEK	PAD980691760	FF Removal	001	7/27/80	3/25/91
03	PA	BROWN'S BATTERY BREAKING	PAD980691760	Fund Removal	001	10/28/83	7/10/84
03	PA	BROWN'S BATTERY BREAKING	PAD980691760	Fund Removal	002	6/13/90	5/5/92
03	PA	BROWN'S BATTERY BREAKING	PAD980691760	Fund Removal	001	9/2/81	9/2/81

03	PA	BRUIN LAGOON	PAD980712855	Fund Removal	002	7/8/84	9/28/84
03	PA	BUTLER MINE TUNNEL	PAD980508451	Fund Removal	001	9/30/85	3/31/86
03	PA	BUTYRIC ACID DRUM	PAD987379203	FF Removal	001	6/24/82	9/15/82
03	PA	BUTZ LANDFILL	PAD981034705	Fund Removal	001	7/22/86	12/22/92
03	PA	C & D RECYCLING	PAD021449244	FF Removal	001	9/1/87	2/28/90
03	PA	C & F CHEMICAL	PAD069006716	FF Removal	001	9/7/83	9/23/83
03	PA	C F BRUBAKER & SONS	PAD003014180	Fund Removal	001	9/17/85	12/20/85
03	PA	C G WOOD SITE	PAD981113559	Fund Removal	001	6/23/82	2/2/83
03	PA	CAMP RUN ROAD SITE	PAD981736481	Fund Removal	001	7/2/85	1/2/86
03	PA	CENTRE COUNTY KEPONE	PAD000435261	FF Removal	001	1/7/88	12/4/88
03	PA	CHAIN BIKE CORP	PAD053061909	Fund Removal	001	6/30/92	3/22/93
03	PA	CHEM-FAB CORP	PAD003323848	Fund Removal	001	5/2/95	10/24/95
03	PA	CHESTER ABANDONED PESTICIDE DRUM	PAD002224442	Fund Removal	001	11/21/87	11/21/87
03	PA	CHLORINE RELEASE	PAD80927099	Fund Removal	001	12/13/82	12/15/82
03	PA	COCHRANVILLE TIRE FIRE SITE	PAD98387831	Fund Removal	001	4/27/88	5/10/88
03	PA	COLEMAN COMPANY	PAD987390523	Fund Removal	001	1/13/92	10/6/93
03	PA	COLUMBIA PLATING	PAD981741176	FF Removal	001	7/3/86	5/16/87
03	PA	COLUMBIA PLATING	PAD981741176	Fund Removal	001	8/24/94	5/13/97
03	PA	COLWELL LANE SITE	PAD000731158	Fund Removal	001	5/1/81	6/28/81
03	PA	CRAWFORD STATION HSCA	PAD987270188	Fund Removal	001	3/28/89	3/23/90
03	PA	CROSSLEY FARM	PAD981740061	Fund Removal	001	12/1/86	10/30/88
03	PA	CROSSLEY FARM	PAD002380444	Fund Removal	002	5/25/98	9/30/96
03	PA	CRYCHEM, INC	PAD981339689	Fund Removal	001	9/4/87	9/30/86
03	PA	DCI PLATING	PAD981339689	FF Removal	001	5/13/87	11/20/87
03	PA	DCI PLATING	PAD981339689	FF Removal	002	8/3/87	11/20/87
03	PA	DEARDORFF DRIVERIDGE ROAD - HSCA	PAD981339689	Fund Removal	001	2/13/87	1/1/86
03	PA	DEFENSE PERSONNEL SUPPORT	PAD971590005	PRP Removal	001	12/15/84	4/3/85
03	PA	DEFENSE PERSONNEL SUPPORT	PA0971590005	PRP Removal	002	12/30/84	3/1/85
03	PA	DEHL PROPERTY DRUM SITE	PAD981338482	Fund Removal	001	11/19/84	1/8/85
03	PA	DOHEGAL TWP MIDNIGHT DRUM DUMP	PAD981738982	Fund Removal	001	3/12/87	2/1/88
03	PA	DORNEY ROAD LANDFILL	PAD980508532	Fund Removal	001	5/13/86	6/20/86
03	PA	DOUGLASSVILLE DISPOSAL	PAD002384865	Fund Removal	001	3/13/86	5/10/86
03	PA	DOYLESTOWN GROUND WATER	PAD982384218	Fund Removal	001	10/22/87	9/30/91
03	PA	DRAKE CHEMICAL	PAD003058047	Fund Removal	001	3/2/82	6/24/82
03	PA	DRAKE CHEMICAL	PAD003058047	Fund Removal	002	9/4/86	9/5/86
03	PA	DRAKE CHEMICAL	PAD003058047	Fund Removal	003	8/10/86	4/17/80
03	PA	DUBLIN TCE SITE	PAD003058047	Fund Removal	004	7/26/93	8/13/93
03	PA	DUNCANVILLE TANKER SITE	PAD981740004	FF Removal	001	6/29/87	1/8/89
03	PA	DUNCANVILLE TANKER SITE	PAD981736325	FF Removal	001	3/24/87	3/24/87
03	PA	DUNMORE GAS SITE	PAD001900034	Fund Removal	001	4/7/86	6/30/86
03	PA	DUNNING MOUNTAIN DRUM FIRE SITE	PAD081736184	Fund Removal	001	10/29/87	4/30/88
03	PA	DUPONT EXPLOSIVES	PAD981839325	FF Removal	001	10/2/85	10/30/85
03	PA	DUPONT EXPLOSIVES	PAD981839325	FF Removal	001	3/31/86	11/22/93

03	PA	DURHAM TWP SOLVENT SPILL	PAD981738925	FF Removal	001	7/7/88	10/13/88
03	PA	DURHAM TWP SOLVENT SPILL	PAD981738925	Fund Removal	001	1/17/87	1/17/87
03	PA	E CUMBERLAND STREET SITE	PAD981035860	FF Removal	001	8/31/84	3/30/90
03	PA	E CUMBERLAND STREET SITE	PAD981035860	Fund Removal	001	9/19/84	9/28/84
03	PA	E. Z. CHEMICAL	PAD987271194	Fund Removal	001	4/8/89	9/28/90
03	PA	EAGER BEAVER LUMBER CO	PAD004375192	FF Removal	001	3/29/87	2/1/88
03	PA	EAGER BEAVER LUMBER CO	PAD004375192	FF Removal	002	9/20/91	1/5/93
03	PA	EAGER BEAVER LUMBER CO	PAD004375192	Fund Removal	001	2/1/88	9/7/88
03	PA	EAST COAST TRAILER SALES	PA0000634659	Fund Removal	001	8/17/94	9/19/94
03	PA	EAST KANE TAR PIT	PAD981738861	Fund Removal	001	8/6/85	2/14/89
03	PA	EAST TENTH STREET	PAD987323458	FF Removal	001	12/20/90	12/20/90
03	PA	EAST TENTH STREET	PAD987323458	FF Removal	003	2/28/91	5/12/92
03	PA	EAST TENTH STREET	PAD987323458	FF Removal	004	2/28/91	12/14/93
03	PA	EAST TENTH STREET	PAD987323458	Fund Removal	001	11/14/90	2/28/91
03	PA	EASTERN DIVERSIFIED METALS	PAD980630633	FF Removal	001	8/7/87	
03	PA	EASTERN DIVERSIFIED METALS	PAD980630633	FF Removal	002	8/7/87	8/25/88
03	PA	EASTERN DIVERSIFIED METALS	PAD980630633	FF Removal	003	8/4/84	
03	PA	EDDYSTONE AVE TRAILER SITE	PAD987269841	Fund Removal	001	12/9/88	6/8/89
03	PA	EIGHTH STREET DRUM	PA0001480946	Fund Removal	001	7/16/96	10/10/96
03	PA	ELLSWORTH STREET PCB SITE	PA000093385	Fund Removal	001	12/7/93	6/30/94
03	PA	ELRAMA SCHOOL	PAD981034994	Fund Removal	001	5/7/81	9/30/81
03	PA	EWEING ROAD DRUM SITE	PAD981738986	Fund Removal	001	9/25/84	10/24/84
03	PA	FAIRVIEW WATER COMPANY	PAD987392271	Fund Removal	001	1/5/93	9/28/94
03	PA	FALKENSTEIN ELECTROPLATING	PAD002268944	Fund Removal	001	8/24/92	11/25/92
03	PA	FENNEL ROAD DRUM SITE	PAD981736622	Fund Removal	001	7/11/85	7/11/85
03	PA	FOSTER WHEELER ENERGY CORP	PAD003037788	FF Removal	001	2/29/88	
03	PA	FRANKLIN SMELTING	PAD002260725	Fund Removal	001	2/18/98	
03	PA	FRONT STREET TANKER	PAD92366296	FF Removal	001	8/10/88	9/7/88
03	PA	GENERAL ELECTRIC-HAMMERMILL SITE	PAD981114820	FF Removal	001	3/15/91	12/16/92
03	PA	GLENSIDE MERCURY SPILL	PA0001401520	Fund Removal	001	2/23/96	6/28/96
03	PA	GRADYVILLE MIDNIGHT DUMPING	PAD981736392	Fund Removal	001	3/19/86	4/30/86
03	PA	GRANT CHEMICAL SITE	PA0001017144	Fund Removal	001	3/9/85	9/30/86
03	PA	GRAVERS ROAD ASBESTOS SITE	PAD980831457	FF Removal	001	11/20/85	12/1/86
03	PA	GRAVERS ROAD ASBESTOS SITE	PAD980831457	Fund Removal	001	8/3/84	9/6/84
03	PA	HAMBURG PLAYGROUND SITE	PAD987332641	Fund Removal	001	9/1/93	10/31/95
03	PA	HAVERTOWN PCP	PA0002338010	FF Removal	001	10/10/84	10/10/84
03	PA	HAVERTOWN PCP	PA0002338010	Fund Removal	001	12/11/87	9/28/90
03	PA	HAVERTOWN PCP	PAD002338010	Fund Removal	002	8/27/93	4/23/94
03	PA	HAVERTOWN PCP	PA0002338010	Fund Removal	003	9/6/94	
03	PA	HEISMAN FIELD	PA0002377828	FF Removal	001	9/30/96	2/25/85
03	PA	HELEVA LANDFILL	PAD980537716	FF Removal	001	2/25/85	9/10/81
03	PA	HELEVA LANDFILL	PAD980537716	FF Removal	002	8/5/88	
03	PA	HELEVA LANDFILL	PAD980537716	Fund Removal	001	4/13/93	4/16/93

03	PA	HENSHELL CORPORATION	PAD987283520	FF Removal	001	1/21/99	7/29/85
03	PA	HIGH QUALITY POLISHING & PLATING	PAD0002369210	Fund Removal	001	6/8/90	6/13/90
03	PA	HISTAND'S SUPPLY	PAD098027027	FF Removal	001	4/12/86	5/13/87
03	PA	HOWARD ROGERS	PAD988059311	Fund Removal	001	7/15/83	1/25/84
03	PA	HRANICA LANDFILL	PAD9865698516	FF Removal	001	9/24/92	9/29/95
03	PA	HUNTER FARM DRUM SITE	PAD987332533	FF Removal	001	3/20/87	1/29/88
03	PA	HUNTERSTOWN ROAD	PAD9860530897	FF Removal	001	10/13/87	1/19/88
03	PA	HUNTERSTOWN ROAD	PAD9860530897	FF Removal	002	10/13/87	4/1/88
03	PA	HUTCHINSON MINE PCB SITE	PAD9882364275	Fund Removal	001	2/25/92	2/25/92
03	PA	I-95 SULFURIC ACID LEAK	PAD987367455	Fund Removal	001	9/8/85	1/18/86
03	PA	INTERSTATE TRANSFORM	PAD9892281809	Fund Removal	001	8/12/87	3/20/92
03	PA	JACKS CREEKSITKIN SMELTING AND REFINERY	PAD9869529493	FF Removal	001	1/23/91	4/25/96
03	PA	JACKS CREEKSITKIN SMELTING AND REFINERY	PAD9869529493	Fund Removal	001	4/8/96	2/10/89
03	PA	JACKS CREEKSITKIN SMELTING AND REFINERY	PAD9869529493	Fund Removal	002	3/6/98	10/26/90
03	PA	JACKSON CERAMIX INC	PAD001222025	Fund Removal	001	4/9/90	9/2/87
03	PA	JACKSON CERAMIX INC	PAD001222025	Fund Removal	002	9/1/85	1/25/99
03	PA	JOHNSON BRONZE CO	PAD981036171	Fund Removal	001	9/7/93	9/23/94
03	PA	JOYCE NATIONAL POWDER	PAD1012174886	Fund Removal	001	2/11/87	8/17/87
03	PA	KARDON PARK	PAD987276353	Fund Removal	001	6/4/85	3/16/87
03	PA	KENNETT SQUARE JUNK YARD	PAD9869592776	Fund Removal	001	7/24/95	7/9/98
03	PA	KEYAK PROPERTY	PAD981740129	Fund Removal	001	11/1/86	2/28/90
03	PA	KEYSER AVENUE BOREHOLE	PAD981740129	FF Removal	001	8/20/87	1/7/88
03	PA	KEYSTONE SANITATION LANDFILL	PAD054142781	Fund Removal	001	2/27/86	8/29/86
03	PA	KIMBERTON SITE	PAD981036049	FF Removal	001	2/10/84	2/10/84
03	PA	KIMBERTON SITE	PAD054142781	Fund Removal	001	10/18/83	12/9/83
03	PA	KOMAK/ONTARIO ST	PAD9869591703	Fund Removal	001	8/6/91	8/10/87
03	PA	KRUM TRASH PCB DRUM SITE	PAD982364416	FF Removal	001	3/2/87	8/1/88
03	PA	LACKAWANNA REFUSE	PAD981736147	Fund Removal	001	4/8/85	4/29/88
03	PA	LACKAWANNA REFUSE	PAD981736147	Fund Removal	001	11/26/90	5/31/91
03	PA	LACKAWANNA REFUSE	PAD980509867	FF Removal	001	11/8/83	12/10/90
03	PA	LANCASTER BATTERY	PAD003004498	FF Removal	001	12/2/90	7/31/98
03	PA	LANCASTER BATTERY	PAD003004498	FF Removal	001	9/15/96	11/2/84
03	PA	LANSLOWNE RADIATION SITE	PAD9869593921	Fund Removal	001	4/22/88	9/30/86
03	PA	LANSLOWNE SITE #2	PAD981044845	Fund Removal	001	8/26/84	9/20/96
03	PA	LATTON LANDFILL	PAD981044845	Fund Removal	001	7/27/85	4/6/88
03	PA	LEHMAN MTBE SITE	PAD00057471	Fund Removal	001	6/10/86	9/11/86
03	PA	LETTERKENNY ARMY DEPOT (PDO AREA)	PAZ210590054	PRP Removal	001	4/6/88	5/23/86
03	PA	LETTERKENNY ARMY DEPOT (SE AREA)	PAG213820503	PRP Removal	001	7/27/85	
03	PA	LEWIS RUN SULFURIC ACID	PA0002366391	Fund Removal	001	8/26/84	
03	PA	MALTOVSKY DRUM COMPANY	PAD9869591408	Fund Removal	001	6/10/86	
03	PA	MALVERN TCE	PAD0014353445	Fund Removal	001	4/6/88	
03	PA	MARCUS-PAULSEN SITE	PAD001411552	Fund Removal	001	4/6/88	
03	PA	MARJOL OPERATION	PAD0030041910	FF Removal	001	4/7/95	
03	PA	MAYBURG TAR PIT	PAD9869592812	Fund Removal	001	4/6/88	
03	PA	MERCER COUNTY DRUM DUMP SITE	PAD981103823	Fund Removal	001	4/6/88	

03	PA	MERIT PRODUCTS SITE	PAD987322534	001	10/29/90	9/23/91
03	PA	METCOA	PAD080719446	001	9/14/88	3/30/90
03	PA	METCOA	PAD080719446	003	7/20/93	
03	PA	METCOA	PAD080719446	004	3/14/94	
03	PA	METCOA	PAD080719446	005	8/19/96	
03	PA	METCOA	PAD080719446	001	3/10/87	5/20/87
03	PA	METCOA	PAD080719446	002	8/13/80	8/17/80
03	PA	METRO CONTAINER CORP	PAD044545895	001	9/19/87	6/2/89
03	PA	METRO CONTAINER CORP	PAD044545895	002	9/10/90	11/6/91
03	PA	METROPOLITAN MIRROR AND GLASS	PAD982366957	001	5/12/87	8/25/97
03	PA	MILL CREEK DUMP	PAD980231690	001	11/28/83	12/8/83
03	PA	MILL CREEK DUMP	PAD980231690	002	9/25/96	5/21/87
03	PA	MONONGAHELA RIVER SITE	PAD981739170	001	10/19/87	10/22/87
03	PA	MONROE STREET SITE	PAD982367625	001	8/2/88	9/14/88
03	PA	MOOSIC SITE	PAD002008506	002	12/11/97	
03	PA	MUNICIPAL INDUSTRIAL DISPOSAL CORP-HSCA	PAD982366353	001	2/19/89	11/0/89
03	PA	MUSKRAT ROAD DRUM SITE	PAD981736564	001	2/11/86	2/17/86
03	PA	MW MANUFACTURING	PAD980691372	001	2/6/87	10/31/96
03	PA	MW MANUFACTURING	PAD980691372	002	3/26/96	
03	PA	MW MANUFACTURING	PAD980691372	001	2/26/96	8/26/86
03	PA	MW MANUFACTURING	PAD980691372	002	4/29/96	9/6/96
03	PA	MW MANUFACTURING	PAD980691372	001	5/7/87	12/28/88
03	PA	NANTICOKE FIRE	PAD066901003	001	6/12/87	10/9/87
03	PA	NATIONAL VULCANIZED FIBER	PAD107214116	001	12/1/87	12/28/92
03	PA	NATIONAL VULCANIZED FIBER	PAD107214116	002	12/1/87	10/7/88
03	PA	NATIONAL VULCANIZED FIBER	PAD107214116	003	1/25/88	
03	PA	NATIONAL VULCANIZED FIBER	PAD107214116	006	11/3/87	
03	PA	NATIONAL VULCANIZED FIBER	PAD107214116	001	12/11/87	5/26/88
03	PA	NATIONAL VULCANIZED FIBER	PAD107214116	002	12/29/92	11/4/88
03	PA	NAVAL AIR DEVELOPMENT CENTER (8 AREAS)	PAD107214116	001	5/14/93	7/12/94
03	PA	NAVAL AIR DEVELOPMENT CENTER (8 AREAS)	PA6170024545	002	8/2/96	12/23/96
03	PA	NAVAL AIR DEVELOPMENT CENTER (8 AREAS)	PA6170024545	003	5/31/97	
03	PA	NAVAL AIR DEVELOPMENT CENTER (8 AREAS)	PA6170024545	004	8/24/98	
03	PA	NAVAL AIR DEVELOPMENT CENTER (8 AREAS)	PA6170024545	001	5/24/95	6/2/95
03	PA	NAVY SHIPS PARTS CONTROL CENTER	PA3170022104	002	9/26/97	1/16/98
03	PA	NAVY SHIPS PARTS CONTROL CENTER	PA3170022104	003	8/17/98	
03	PA	NICKEL PLATE RD	PAD982367369	001	1/11/88	3/23/88
03	PA	NORTH PENN - AREA 11	PAD0001412311	001	6/21/96	
03	PA	NORTH PENN - AREA 12	PAD057152365	001	8/22/95	
03	PA	NORTH PENN - AREA 6	PAD980926976	001	7/29/88	5/2/89
03	PA	NORTH PENN - AREA 6	PAD980926976	002	1/26/93	12/20/84
03	PA	NORTH PENN - AREA 8	PAD987355096	001	7/20/96	
03	PA	O'BRIEN MACHINERY	PAD987379187	001	7/15/92	9/17/93
03	PA	O'BRIEN MACHINERY	PAD987379187	002	9/14/95	3/28/87

03	PA	ROUTE 940 DRUM DUMP	PAD981034630	Fund Removal	001	5/27/83	1/24/84
03	PA	ROYAL DRY CLEANERS	PAD987279817	FF Removal	001	7/11/90	4/2/92
03	PA	ROYAL DRY CLEANERS	PAD987279817	Fund Removal	001	4/21/88	
03	PA	RYELAND ROAD ARSENIC SITE	PAD9881033469	Fund Removal	001	7/22/85	11/2/89
03	PA	SABLE DIAMONDS/US METAL & COINS	PAD982354234	FF Removal	001	5/29/87	10/5/87
03	PA	SABOL FARM DRUM	PA0001098171	FF Removal	001	9/22/95	2/22/96
03	PA	SACKVILLE MILLS PROPERTY	PA000198846	FF Removal	001	6/17/84	3/22/95
03	PA	SAEGERTOWN INDUSTRIAL AREA	PAD980692487	FF Removal	001	2/13/97	
03	PA	SALFORD QUARRY	PAD980693204	Fund Removal	001	6/29/92	
03	PA	SALT SERVICE	PAD987387578	Fund Removal	001	4/15/83	11/18/83
03	PA	SANDONELLE CORP	PAD981042357	Fund Removal	001	9/30/85	3/30/87
03	PA	SATELLITE AMMET INCENDIARY SITE	PAD000433405	Fund Removal	001	4/16/85	6/20/85
03	PA	SHALER/JTC PROPERTIES - HSCA	PAD981041064	Fund Removal	001	9/12/91	7/23/92
03	PA	SHRIVER'S CORNER	PAD980830889	FF Removal	001	9/26/86	11/30/86
03	PA	SHRIVER'S CORNER	PAD980830889	Fund Removal	001	4/1/92	6/16/92
03	PA	SHRIVER'S CORNER	PAD980830889	Fund Removal	002	3/22/94	3/30/95
03	PA	SHRIVER'S CORNER	PAD980830889	Fund Removal	003	3/3/95	3/30/95
03	PA	SILVER LAKE PARK DRUM DUMP	PAD001894946	Fund Removal	001	7/9/87	9/24/87
03	PA	SOLLY AVE MIDNIGHT DUMP SITE	PAD981738900	Fund Removal	001	5/2/87	10/31/87
03	PA	SOUTHWEST PHILA. ABANDONED TRAILER SITE	PAD982367146	FF Removal	001	5/9/88	6/29/88
03	PA	SSCD SCHOOLYARD	PAD981738743	Fund Removal	001	10/15/86	3/10/87
03	PA	STARBRICK AREA	PAD980918610	Fund Removal	001	12/21/84	9/30/86
03	PA	STATE ROAD SITE	PAD002279940	FF Removal	001	10/5/98	
03	PA	STOCKTON AQUIFER	PAD987388188	Fund Removal	001	8/21/92	1/27/93
03	PA	STRUBLE TRAIL DRUMS	PAD001405166	Fund Removal	001	3/11/96	5/30/96
03	PA	SUNSET GOLF COURSE	PAD980918031	Fund Removal	001	10/27/83	4/14/84
03	PA	SWISSVALE AUTO SURPLUS PARTS	PAD980892560	Fund Removal	001	5/29/84	5/8/87
03	PA	SWISSVALE AUTO SURPLUS PARTS	PAD980892560	Fund Removal	002	8/23/92	12/22/92
03	PA	TAYLOR BOROUGH DUMP	PAD980693907	Fund Removal	001	10/4/83	11/23/83
03	PA	TAYLOR BOROUGH DUMP	PAD001764570	Fund Removal	002	12/22/86	4/17/87
03	PA	TAYLORCRAFT SITE	PAD001764570	FF Removal	001	12/31/96	3/14/97
03	PA	THOMPSON ST TRAILER SITE	PAD987268646	Fund Removal	001	9/30/89	4/6/90
03	PA	THORN RUN SPILL	PAD982363285	Fund Removal	001	5/29/86	6/3/86
03	PA	TINICUM NATIONAL ENVIRONMENTAL CTR	PA8143515447	Fund Removal	001	7/18/83	9/23/83
03	PA	TMC ASBESTOS SITE	PA0002259660	Fund Removal	001	3/22/98	9/23/98
03	PA	TOBYHANNA ARMY DEPOT	PA5213820892	PRP Removal	001	2/9/88	6/6/88
03	PA	TOBYHANNA ARMY DEPOT	PA5213820892	PRP Removal	002	1/19/89	4/17/90
03	PA	TOBYHANNA ARMY DEPOT	PA5213820892	PRP Removal	003	4/12/91	6/30/91
03	PA	TOBYHANNA ARMY DEPOT	PA5213820892	PRP Removal	004	9/6/94	11/1/94
03	PA	TOBYHANNA ARMY DEPOT	PA5213820892	PRP Removal	005	7/10/95	8/4/95
03	PA	TONOLLI CORP	PAD073613863	FF Removal	001	1/2/92	9/24/93
03	PA	TONOLLI CORP	PAD073613863	FF Removal	002	2/22/96	12/3/98
03	PA	TONOLLI CORP	PAD073613863	Fund Removal	001	10/9/84	12/22/89

03	PA	TRANSFORMER SERVICES	PAD980593881	Fund Removal	001	6/1/82	6/1/82	6/1/82
03	PA	TRANSFORMER SERVICES	PAD980593881	Fund Removal	002	1/15/84	1/15/84	1/15/84
03	PA	TRANSFORMER SERVICES	PAD980603881	Fund Removal	003	1/10/84	1/10/84	1/10/84
03	PA	TRI-STATE ENGINEERING	PAD981034416	Fund Removal	001	3/11/85	3/11/85	5/24/85
03	PA	TRI-STATE ROTUNDA DRIVE SITE	PAD981112709	Fund Removal	001	6/12/86	5/19/87	5/19/87
03	PA	TROWBRIDGE ESTATES MERCURY	PAD982333160	Fund Removal	001	6/23/87	6/27/87	6/27/87
03	PA	TRUCKSVILLE MERCURY CLEANUP	PAD001761345	Fund Removal	001	11/7/96	5/30/97	5/30/97
03	PA	TURCO COATINGS	PAD0070285119	Fund Removal	001	2/10/83	3/11/83	3/11/83
03	PA	TYRONE CHLORINE CYLINDERS ER	PAD001015296	Fund Removal	001	1/24/85	2/1/85	2/1/85
03	PA	TYSONS DUMP	PAD980602024	FF Removal	001	4/13/87	6/24/86	6/24/86
03	PA	TYSONS DUMP	PAD980602024	Fund Removal	001	3/2/83	9/2/83	9/2/83
03	PA	UGI COLUMBIA GAS PLANT	PAD980539126	Fund Removal	001	1/26/86	12/23/88	12/23/88
03	PA	UGI COLUMBIA GAS PLANT	PAD980539126	Fund Removal	003	12/17/87	9/29/88	9/29/88
03	PA	UNITED CHEM. TECH ER	PAD000382820	FF Removal	001	6/27/94	9/28/95	9/28/95
03	PA	UPPER MERION TWP LANDFILL	PAD981103765	Fund Removal	001	5/23/83	6/6/83	6/6/83
03	PA	USN PHILA NAVAL SHIPYARD	P44170022418	PRP Removal	001	1/1/95	4/28/95	4/28/95
03	PA	USN PHILA NAVAL SHIPYARD	P44170022418	PRP Removal	002	1/1/95		
03	PA	VALLEY FORGE NATIONAL HISTORIC PARK	P44170022418	PRP Removal	003	2/1/97	8/30/97	8/30/97
03	PA	VALMONT INDUSTRIAL PARK SITE HSCA	P49141733080	Fund Removal	001	5/21/87	7/3/87	7/3/87
03	PA	VALMONT INDUSTRIAL PARK SITE HSCA	PAD982353970	FF Removal	001	3/2/88	12/28/88	12/28/88
03	PA	VILLAGE OF REEDERS GW	PAD987365426	Fund Removal	001	10/22/87	11/30/88	11/30/88
03	PA	VULCANIZED RUBBER CO	PAD980253365	Fund Removal	001	1/29/82		
03	PA	WACH'S LANDFILL	PAD980918787	Fund Removal	001	6/20/83	7/6/83	7/6/83
03	PA	WADE (ABM)	PAD980539407	Fund Removal	001	4/8/87	1/15/88	1/15/88
03	PA	WADE (ABM)	PAD980539407	Fund Removal	001	10/14/81	12/22/81	12/22/81
03	PA	WALSH LANDFILL	PAD980529527	Fund Removal	002	4/19/82	5/29/82	5/29/82
03	PA	WALSH LANDFILL	PAD980529527	FF Removal	001	2/15/85	8/12/90	8/12/90
03	PA	WARWICK TWP REAL ESTATE	PAD000565801	Fund Removal	001	3/29/85	6/6/85	6/6/85
03	PA	WASHINGTON ST LANDFILL	PAD981110810	Fund Removal	001	2/12/87		
03	PA	WASHINGTON ELECTRONIC (SHARON PLANT)	PAD006005975	FF Removal	001	1/1/86	1/8/85	1/8/85
03	PA	WESTINGHOUSE ELEVATOR CO. PLANT	PAD043882281	FF Removal	001	2/16/84	1/2/85	1/2/85
03	PA	WESTINGHOUSE ELEVATOR CO. PLANT	PAD043882281	Fund Removal	001	3/22/84	5/7/84	5/7/84
03	PA	WESTINGHOUSE ELEVATOR CO. PLANT	PAD043882281	Fund Removal	001	8/29/84	9/7/84	9/7/84
03	PA	WESTLINE SITE	PAD980602537	Fund Removal	002	2/28/83	4/22/83	4/22/83
03	PA	WESTLINE SITE	PAD980602537	Fund Removal	001	8/29/83	9/14/83	9/14/83
03	PA	WHITEMARSH TWP DRUM DUMP	PAD982366841	Fund Removal	001	6/1/87	6/1/87	6/1/87
03	PA	WHITMOYER LABORATORIES	PAD003005014	Fund Removal	001	12/16/87	9/28/90	9/28/90
03	PA	WILLIAM DICK LAGOONS	PAD980537773	FF Removal	001	1/27/88	9/19/91	9/19/91
03	PA	WOODARD PROPERTY ABANDONED DRUMS	PAD987328784	Fund Removal	001	3/18/91	11/19/91	11/19/91
03	VA	2020 CHESTNUT ST. PROPERTY AKA UNATTRIBUTED RESIDENTI	VAD000236846	Fund Removal	001	4/29/98	9/29/93	9/29/93
03	VA	ABEX CORP	VAD980551683	FF Removal	001	6/25/92		
03	VA	ABEX CORP	VAD980551683	FF Removal	002	8/1/86	2/29/80	2/29/80

03	VA	ALLIED CHEM CORP FRONT ROYAL WKS	VAD003064003	FF Removal	001	10/5/98	11/1/89
03	VA	APPLIED SCIENCE LABORATORIES, INC.	VAD060022445	Fund Removal	001	10/15/96	
03	VA	ARROWHEAD ASSOCIATES/SCOVILL CORP	VAD042916361	FF Removal	001	7/3/86	2/28/90
03	VA	ARROWHEAD ASSOCIATES/SCOVILL CORP	VAD042916361	Fund Removal	001	11/4/97	4/18/87
03	VA	ASSAQUE ISLAND / CHES. BAY	VAD989167722	Fund Removal	001	6/12/87	6/30/87
03	VA	ATLANTIC WOOD INDUSTRIES, INC	VAD980710410	FF Removal	002	8/5/94	3/29/86
03	VA	AVTEX FIBERS, INC	VAD070358684	FF Removal	001	10/22/81	
03	VA	AVTEX FIBERS, INC	VAD070358684	FF Removal	003	10/31/89	
03	VA	AVTEX FIBERS, INC	VAD070358684	FF Removal	004	8/28/90	
03	VA	AVTEX FIBERS, INC	VAD070358684	FF Removal	005	9/16/96	
03	VA	AVTEX FIBERS, INC	VAD070358684	Fund Removal	002	5/16/94	
03	VA	BALDWIN STREET PCB DRUM SITE	VA0001865349	FF Removal	001	2/13/88	
03	VA	BASIC TOOL COMPANY	VAD988212429	Fund Removal	001	9/17/82	
03	VA	BIG STONE GAP ASSESS	VAD001327816	Fund Removal	001	2/27/96	11/1/86
03	VA	C & R BATTERY CO., INC	VAD049597913	Fund Removal	001	7/15/86	8/26/87
03	VA	CHESAPEAKE ASBESTOS SITE	VAD988227690	Fund Removal	001	2/8/94	3/1/84
03	VA	CHESAPEAKE PLY	VAD001704808	FF Removal	001	3/11/87	7/15/87
03	VA	COCKERILLE ESTATE ABANDONED LAB SITE	VAD988167771	Fund Removal	001	11/29/88	10/31/89
03	VA	COEBURN BATTERY DISPOSAL SITE	VAD988174835	Fund Removal	001	9/21/82	6/11/83
03	VA	COEBURN BATTERY DISPOSAL SITE	VAD988174835	Fund Removal	002	7/5/95	9/20/95
03	VA	COEBURN TOWN DUMP	VAD988228429	Fund Removal	001	6/10/96	3/31/97
03	VA	COLONIAL PIPELINE	VAD988228976	FF Removal	001	4/2/93	
03	VA	CYCLE SYSTEMS	VAD000801050	FF Removal	001	12/27/84	1/8/89
03	VA	DIXIE CAVERNS COUNTY LANDFILL	VAD980552085	FF Removal	001	10/26/87	6/16/83
03	VA	DIXIE CAVERNS COUNTY LANDFILL	VAD980552085	FF Removal	002	8/28/82	9/18/87
03	VA	DOYLE WOOD TREATING SITE	VAD000094490	Fund Removal	001	12/16/83	5/17/85
03	VA	DOYLE WOOD TREATING SITE	VAD000094490	Fund Removal	002	9/12/85	4/19/86
03	VA	EVERDURE INC	VAD003121142	FF Removal	001	9/24/86	6/1/87
03	VA	EVERDURE INC	VAD003121142	Fund Removal	001	8/9/93	5/15/88
03	VA	EXETER PCB SITE	VAD988222972	FF Removal	001	3/1/83	8/12/84
03	VA	EXETER PCB SITE	VAD988222972	Fund Removal	001	12/2/82	11/19/83
03	VA	FINE PETROLEUM/MARINER HI TECH	VAD023837628	FF Removal	001	11/5/82	3/3/83
03	VA	FINE PETROLEUM/MARINER HI TECH	VAD023837628	Fund Removal	001	8/25/82	8/13/83
03	VA	FINE PETROLEUM/MARINER HI TECH	VAD023837628	Fund Removal	003	5/24/85	12/1/85
03	VA	FMC CORP SPOTSYLVANIA CTY IND PARK	VAD980714877	FF Removal	001	9/1/86	2/28/90
03	VA	FORMER NANSEMOND ORDNANCE DEPOT	VAD123933426	FF Removal	003	12/15/88	1/6/89
03	VA	FORMER NANSEMOND ORDNANCE DEPOT	VAD123933426	Fund Removal	001	4/22/87	4/27/87
03	VA	FORMER NANSEMOND ORDNANCE DEPOT	VAD123933426	Fund Removal	002	10/15/96	11/20/96
03	VA	FORT EUSTIS (US ARMY)	VA6210020321	PRP Removal	001	6/30/87	7/16/97
03	VA	FORT EUSTIS (US ARMY)	VA6210020321	PRP Removal	002	10/1/84	11/1/84
03	VA	FORT EUSTIS (US ARMY)	VA6210020321	PRP Removal	003	1/7/89	
03	VA	FORT EUSTIS (US ARMY)	VA6210020321	PRP Removal	004	4/6/89	
03	VA	FREON & GENETRON DUMP SITE	VA0000028613	Fund Removal	001	9/14/93	11/17/93

03	VA	GEO WASHINGTON BIRTH. NATIONAL PARK SITE	VAD001574705	Fund Removal	001	9/18/86	10/20/86
03	VA	GOODWIN JUNKYARD	VAD988187076	Fund Removal	001	12/17/80	2/14/92
03	VA	GREENWOOD CHEMICAL CO	VAD000325374	Fund Removal	001	10/15/87	6/20/88
03	VA	GREENWOOD CHEMICAL CO	VAD000325374	Fund Removal	002	2/16/80	8/30/90
03	VA	GREENWOOD DRIVE SITE	VAD988197174	Fund Removal	001	9/14/85	12/16/86
03	VA	H & H INC., BURN PIT	VAD988053878	FF Removal	001	9/27/86	2/3/88
03	VA	HAMPTON INDUSTRIAL PLATING	VAD988201992	Fund Removal	001	6/21/81	6/20/82
03	VA	HARRY BRANCH LEAD SITE	VAD000283852	Fund Removal	001	4/18/84	11/16/84
03	VA	HART PROPERTY	VAD981736951	Fund Removal	001	9/2/85	3/1/90
03	VA	HYMAN WIENER & SONS	VAD0003112364	Fund Removal	001	1/8/84	
03	VA	JAMES RIVER SITE	VAD98690747	Fund Removal	001	12/17/85	3/3/87
03	VA	KLOTZ BROTHERS COURTYARD	VAD001907831	FF Removal	001	11/30/88	3/14/87
03	VA	L.A. CLARKE & SON	VAD007972482	FF Removal	001	9/28/85	
03	VA	LANGLEY AIR FORCE BASE/MASA LANGLEY CNTR	VAD000050533	PRP Removal	002	2/2/88	2/28/88
03	VA	LANGLEY AIR FORCE BASE/MASA LANGLEY CNTR	VAD000050533	PRP Removal	003	4/17/87	7/15/87
03	VA	LANGLEY AIR FORCE BASE/MASA LANGLEY CNTR	VAD981738238	PRP Removal	004	4/30/87	6/30/87
03	VA	LYNN HAVEN BAY SITE	VAD001118207	Fund Removal	001	3/10/87	6/30/87
03	VA	MAGSON'S, INC.	VAD001992957	Fund Removal	001	6/12/85	2/29/86
03	VA	MAIN AVENUE LEAD SITE	VAD980712970	Fund Removal	001	9/23/87	4/13/88
03	VA	MATTHEWS ELECTROPLATING	VAD986422044	Fund Removal	001	3/26/88	8/16/88
03	VA	MONTCLAIR COUNTRY CLUB	VAD986316163	FF Removal	001	2/13/85	9/13/85
03	VA	MOOR-FITE	VAD986316163	Fund Removal	001	6/20/83	1/25/84
03	VA	MORRISON PLANT SITE	VAFN0305388	Fund Removal	001	10/19/88	
03	VA	MOUNT VERNON MILLS	VAD988207857	FF Removal	001	9/25/82	12/1/93
03	VA	MOUNTAIN MACHINE MANUFACTURING	VAD988213955	Fund Removal	001	8/31/82	5/7/83
03	VA	NAVAL SURFACE WARFARE - DAHLGREN	VAT170024684	PRP Removal	001	2/23/84	7/14/85
03	VA	NAVAL WEAPONS STATION - YORKTOWN	VAS170024170	PRP Removal	001	10/15/82	11/30/82
03	VA	NAVAL WEAPONS STATION - YORKTOWN	VAS170024170	PRP Removal	002	4/11/84	11/1/84
03	VA	NAVAL WEAPONS STATION - YORKTOWN	VAS170024170	PRP Removal	003	9/9/84	2/20/85
03	VA	NAVAL WEAPONS STATION - YORKTOWN	VAS170024170	PRP Removal	004	7/11/84	1/30/85
03	VA	NAVAL WEAPONS STATION - YORKTOWN	VAS170024170	PRP Removal	005	9/15/84	6/5/85
03	VA	NAVAL WEAPONS STATION - YORKTOWN	VAS170024170	PRP Removal	006	9/29/84	5/1/85
03	VA	NAVAL WEAPONS STATION - YORKTOWN	VAS170024170	PRP Removal	007	2/23/86	3/25/87
03	VA	NELSON ELECTRIC CO	VAD0003145705	FF Removal	001	6/22/80	
03	VA	OLD NATIONAL CARBIDE	VAD988166146	Fund Removal	001	7/14/89	8/2/89
03	VA	OLD SALEM TANNERY	VAD988170437	FF Removal	002	2/3/84	9/28/85
03	VA	OLD SALEM TANNERY	VAD988170437	Fund Removal	001	9/3/82	11/24/82
03	VA	ORCHARD GAP	VAD001898865	Fund Removal	001	3/19/87	5/15/87
03	VA	POINT OF ROCKS	VAD982363798	Fund Removal	001	10/28/87	10/14/88
03	VA	POWERS BOSS BATTERIES, INC	VAD986165900	Fund Removal	001	6/24/81	2/29/82
03	VA	RACON DUMP SITE	VAD986228789	Fund Removal	001	7/29/83	11/15/83
03	VA	REGIONAL ENTERPRISES INC	VAD988202586	Fund Removal	001	8/11/81	8/15/81
03	VA	RENTOKIL, INC. (VA WOOD PRESERVING DIV)	VAD001040752	FF Removal	001	6/22/82	9/29/82

03	VA	RHINEHART TIRE FIRE DUMP	VAD980631796	FF Removal	001	2/13/84	11/1/84
03	VA	RHINEHART TIRE FIRE DUMP	VAD980631796	Fund Removal	001	11/1/83	5/2/84
03	VA	RICHMOND, FREDRICKSBURG & POTOMAC RAILRD	VAD020312013	FF Removal	001	9/22/92	2/6/98
03	VA	RICHMOND, FREDRICKSBURG & POTOMAC RAILRD	VAD020312013	FF Removal	002	2/18/98	3/25/99
03	VA	ROANOKE DRUM RECYCLING SITE	VAD0001897289	Fund Removal	001	8/7/97	
03	VA	ROANOKE RIVER DRUM SITE	VAD981736366	Fund Removal	001	11/22/85	3/6/87
03	VA	ROBERT THORPE PROPERTY	VAD0001011675	Fund Removal	001	10/28/94	3/5/98
03	VA	ROUTE 735 ABANDONED BARREL	VAD988212379	Fund Removal	001	2/19/92	11/23/92
03	VA	RUSTIN BARREL	VAD988212381	Fund Removal	001	8/10/92	1/13/93
03	VA	SALTVILLE GRAVEYARD DUMP	VAD000878041	FF Removal	001	12/30/94	6/19/98
03	VA	SALTVILLE POWER PLANT	VAD000878090	FF Removal	001	7/6/85	
03	VA	SALTVILLE WASTE DISPOSAL PONDS	VAD003127578	FF Removal	001	10/ / 5/91	5/5/92
03	VA	SAM'S (JONES) JUNKYARD	VAD981036858	Fund Removal	001	4/19/99	
03	VA	SAUNDERS SUPPLY CO	VAD003117389	Fund Removal	001	7/22/97	
03	VA	SCOTT ROBINSON LEAD BATTERY	VAD988176368	Fund Removal	001	10/9/90	6/4/92
03	VA	SINGLETON DRUM	VAD988222220	Fund Removal	001	5/7/93	1/24/94
03	VA	SOUTHERN INTERNATIONAL WOOD TREATMENT CO	VAD139372239	Fund Removal	001	7/14/92	5/17/93
03	VA	ST. PETERS STREET DRUM SITE	VAD001745363	Fund Removal	001	11/1/86	
03	VA	STAR ENTERPRISE	VAD988178190	FF Removal	001	5/8/92	7/30/93
03	VA	STAUFFER CHEM CO	VAD98051634	FF Removal	001	10/15/98	2/12/99
03	VA	SUFFOLK NAVAL COMMUNICATION AREA MASTER	VAD98051634	PRP Removal	001	11/2/92	4/9/93
03	VA	SUTTON ENTERPRISES, INC.	VAD988173548	Fund Removal	001	9/6/84	6/19/95
03	VA	TAZEWELL LEAD ACID BATTERY AREA I	VAD988228890	Fund Removal	001	10/15/96	4/7/97
03	VA	TENNESSEE AVE. LEAD	VAD001412600	Fund Removal	001	8/11/95	12/29/99
03	VA	TURPIN PROPERTY SITE	VAD034557579	FF Removal	001	5/1/89	2/25/97
03	VA	TWIN CITY IRON & METAL CO INC	VAD034557579	FF Removal	001	8/11/95	5/1/85
03	VA	USA FT AP HILL	VAD2210020416	FF Removal	001	1/17/85	
03	VA	USA FT PICKETT	VAD2210020705	PRP Removal	002	8/30/98	
03	VA	USA VINT HILL FARMS STATION	VAD2210020931	PRP Removal	001	10/31/94	11/1/94
03	VA	USA WOODBRIDGE RESEARCH FACILITY	VAD2210020981	PRP Removal	001	1/10/95	9/30/95
03	VA	USA WOODBRIDGE RESEARCH FACILITY	VAD2210020981	PRP Removal	002	11/15/96	9/30/97
03	VA	USA WOODBRIDGE RESEARCH FACILITY	VAD2210020981	PRP Removal	003	11/15/96	9/30/97
03	VA	VALLEY PLATING	VAD980832636	Fund Removal	001	4/6/80	4/26/91
03	VA	VINTON DRUM SITE	VASFN0305390	FF Removal	001	9/30/98	
03	VA	VIRGINIA FLOOD DRUM	VAD988221040	Fund Removal	001	9/17/92	8/12/93
03	VA	VIRGINIA SCRAP IRON & METAL	VAD000987156	FF Removal	001	2/2/85	5/31/96
03	VA	WALKERTON TIRE FIRE	VAD982363343	Fund Removal	001	1/27/86	5/1/86
03	VA	WARRENTON PCE SITE	VAD000180836	Fund Removal	001	5/23/94	4/14/99
03	VA	WASHINGTON NATIONAL AIRPORT	VAD988166518	FF Removal	001	6/24/92	11/15/93
03	VA	WINTHROP STREET DUMP	VAD001407907	Fund Removal	001	6/26/96	12/27/96
03	WV	ATWELL MOUNTAIN DRUM SITE	WV9882363780	Fund Removal	001	9/1/87	2/12/88
03	WV	BEAUMONT GLASS COMPANY	WV988786345	Fund Removal	001	10/30/96	
03	WV	BELLE ISLE PLAYGROUND DRUMS	WV0001584994	Fund Removal	001	10/9/96	12/19/98

03	WV	BERNARD NEAL PROPERTY	WVD98110109	Fund Removal	001	10/22/84	8/11/85
03	WV	BICKMORE DRUM DUMP	WVD98770350	Fund Removal	001	8/17/80	1/17/81
03	WV	BIG JOHN SALVAGE - HOULT RD SITE	WVD054827944	FF Removal	001	11/14/84	4/28/85
03	WV	BIG JOHN SALVAGE - HOULT RD SITE	WVD054827944	Fund Removal	001	7/7/83	1/7/84
03	WV	BIG JOHN SALVAGE - HOULT RD SITE	WVD054827944	Fund Removal	002	5/15/92	3/7/93
03	WV	BIG JOHN SALVAGE - HOULT RD SITE	WVD054827944	Fund Removal	003	8/19/88	4/14/89
03	WV	BIG JOHN'S SALVAGE - RTE 250 SITE	WVD980691158	Fund Removal	001	4/7/83	8/22/83
03	WV	BITTLE PROPERTY	WVD981045659	Fund Removal	001	10/7/85	5/15/86
03	WV	BLUE RIBBON PAINT CO.	WVD004319158	Fund Removal	001	9/25/88	
03	WV	BRAXTON INDUSTRIES, INC.	WVD056605874	Fund Removal	001	8/6/90	12/31/91
03	WV	CHARLESTOWN COAL TAR SITE	WVD988767612	FF Removal	001	6/1/90	9/28/95
03	WV	CHARLESTOWN COAL TAR SITE	WVD988767612	FF Removal	002	3/16/92	9/28/95
03	WV	CHESAPEAKE PCB SITE	WVD052566429	FF Removal	001	2/4/85	2/23/85
03	WV	CLARK PROPERTY	WVD981036064	Fund Removal	001	8/19/85	7/25/86
03	WV	COLLINS WELL SERVICE, E.R.	WVSF0305395	Fund Removal	001	10/15/88	4/15/88
03	WV	COLUMBIA GAS TRANSMISSION - COBB STATION	WVD988767943	FF Removal	001	4/15/87	
03	WV	COLUMBIA GAS TRANSMISSION CORP.	WV0000229666	FF Removal	001	9/23/84	
03	WV	COONS RUN DRUM SITE	WVD981035595	Fund Removal	001	8/15/83	9/8/83
03	WV	COURTAULDS LEAD	WVD004319208	FF Removal	001	6/26/92	3/9/93
03	WV	CRAIG BRANCH DRUM DUMP	WVD988775441	Fund Removal	001	12/17/90	12/20/90
03	WV	CJMMINGS LANDFILL	WVD989830731	Fund Removal	001	9/16/87	2/11/88
03	WV	EDWARDS ROAD SPILL SITE	WVD981738750	Fund Removal	001	3/25/87	4/22/87
03	WV	EIGHT DRUMS SITE	WVD988767646	Fund Removal	001	12/7/86	6/1/80
03	WV	ELKVIEW DRUM DUMP	WVD988767901	Fund Removal	001	11/6/89	1/30/90
03	WV	ENTERPRISE TRANSFORMER DUMP	WVD988770665	Fund Removal	001	8/22/80	12/20/90
03	WV	FAIRMONT CULLET PILE SITE	WV0001896919	FF Removal	001	9/30/87	
03	WV	FIFTH STREET DRUM DUMP	WVD983357443	Fund Removal	001	5/10/88	1/11/89
03	WV	FIKE CHEMICAL, INC	WVD047989207	FF Removal	001	3/22/84	3/22/84
03	WV	FIKE CHEMICAL, INC	WVD047989207	FF Removal	002	8/12/86	4/23/80
03	WV	FIKE CHEMICAL, INC	WVD047989207	FF Removal	003	12/30/88	4/23/80
03	WV	FIKE CHEMICAL, INC	WVD047989207	FF Removal	004	8/29/81	5/7/82
03	WV	FIKE CHEMICAL, INC	WVD047989207	FF Removal	005	5/3/86	9/30/87
03	WV	FIKE CHEMICAL, INC	WVD047989207	Fund Removal	001	6/13/88	3/18/93
03	WV	FOUR STATES TIRE FIRE	WV0002371935	Fund Removal	001	6/11/88	7/17/88
03	WV	FRAZIER'S BOTTOM PCB SITE	WVD981738875	Fund Removal	001	4/22/87	12/1/87
03	WV	GARFIELD STREET DRUM DUMP	WVD982636913	Fund Removal	001	8/17/87	12/14/87
03	WV	GARY HARRIS DUMP	WVD991035025	Fund Removal	001	6/16/86	6/9/87
03	WV	GLEN MORGAN DRUM DUMP	WVD988767455	FF Removal	001	11/28/89	5/11/92
03	WV	GREENBRIAR RIVER FLOOD DRUM SITE	WVD981736309	Fund Removal	001	11/16/85	5/13/86
03	WV	GREENBRIAR RIVER FLOOD DEBRIS	WV0001412295	Fund Removal	001	6/6/96	9/18/96
03	WV	HANLIN-ALLIED-OLIN	WVD024165373	FF Removal	001	12/8/89	
03	WV	HANLIN-ALLIED-OLIN	WVD024165373	FF Removal	002	9/2/94	
03	WV	HANLIN-ALLIED-OLIN	WVD024165373	FF Removal	003	3/8/95	

03	WV	HANLIN-ALLIED-OLIN	FF Removal	004	8/4/85
03	WV	HANLIN-ALLIED-OLIN	FF Removal	005	6/17/97
03	WV	HANNIBAL LOCK & DAM	Fund Removal	001	6/22/90
03	WV	HARRISON COUNTY PCB SITE	Fund Removal	001	6/5/87
03	WV	HEIZER CRK	FF Removal	001	1/14/88
03	WV	HOLDER CHEM CORP	Fund Removal	001	7/3/82
03	WV	HOLDER CHEM CORP	Fund Removal	002	8/25/82
03	WV	HOLLY HILL SUBDIVISION	Fund Removal	001	5/10/85
03	WV	IAEGER PCB SITE	Fund Removal	001	4/5/85
03	WV	INTERSTATE 70 ACID SPILL	Fund Removal	001	9/23/91
03	WV	J F & M CO. PCB SITE	Fund Removal	001	1/17/84
03	WV	JENKINJONES DRUM DUMP	FF Removal	001	1/18/84
03	WV	JENKINJONES DRUM DUMP	Fund Removal	001	2/7/82
03	WV	KABLETOWN RD SITE (KIEPER PROP)	Fund Removal	001	2/20/90
03	WV	KAY LANE DRUM DUMP	Fund Removal	001	7/7/86
03	WV	KEYSTONE DRIVE SITE	Fund Removal	001	5/26/87
03	WV	KNAPP CREEK	Fund Removal	001	9/7/89
03	WV	LAKIN STATE FARM	Fund Removal	001	7/24/87
03	WV	LEETOWN ABANDONED CHEM DRUM	Fund Removal	001	1/13/86
03	WV	LEETOWN PESTICIDE	Fund Removal	001	3/6/87
03	WV	MANILA CREEK	Fund Removal	001	1/5/89
03	WV	MARTINSBURG DRUM	FF Removal	001	4/14/83
03	WV	MECHLING HILL DRUM DUMP	FF Removal	001	8/13/87
03	WV	MIDWAY ROUTE 2	Fund Removal	001	1/6/88
03	WV	MIDWEST STEEL	Fund Removal	001	6/10/92
03	WV	MISPLACED CESIUM 137 GAUGE	FF Removal	001	8/29/89
03	WV	MOUNT CLARE DRUM DUMP	Fund Removal	001	4/28/87
03	WV	NITRO LANDFILL	FF Removal	001	5/2/86
03	WV	NITRO MUN LANDFILL	FF Removal	001	9/29/94
03	WV	NITRO MUN LANDFILL	Fund Removal	001	6/5/96
03	WV	NITRO MUN LANDFILL	Fund Removal	001	9/26/86
03	WV	NITRO MUN LANDFILL	Fund Removal	001	4/4/89
03	WV	NITRO SAMITATION LANDFILL	FF Removal	001	8/22/85
03	WV	OHIO RIVER FLOOD DEBRIS	FF Removal	001	12/5/85
03	WV	OHIO RIVER MYSTERY SPILL MP 308.4	FF Removal	001	8/1/86
03	WV	ORDNANCE WORKS DISPOSAL AREAS	FF Removal	002	8/5/87
03	WV	OTSAGO PCB CAPACITOR	FF Removal	004	2/28/86
03	WV	PANTASOTE CO	FF Removal	003	2/18/88
03	WV	PETERSBURG FLOOD	FF Removal	004	8/14/91
03	WV	POCA DRUM DUMP	Fund Removal	001	4/20/90
03	WV	PRECIOUS METALS, INC	Fund Removal	001	10/20/87
03	WV	PRINCETON ENTERPRISES SITE	Fund Removal	001	5/20/96
03	WV	RAY YORK BODY SHOP	FF Removal	001	7/1/87
03	WV	RICHARDSON UPHOLSTERY	Fund Removal	001	7/3/87
			Fund Removal	004	9/27/96
			Fund Removal	001	7/29/87
			Fund Removal	001	5/15/89
			Fund Removal	001	7/25/88
			Fund Removal	001	6/26/97
			Fund Removal	001	7/18/86
			Fund Removal	001	8/21/82
			Fund Removal	001	10/12/82
			Fund Removal	001	6/23/86
			Fund Removal	001	11/1/87
			Fund Removal	001	5/19/97
			Fund Removal	001	8/12/87
			Fund Removal	001	5/3/88
			Fund Removal	001	12/27/84

03	WW	RIDGEVIEW PCB SITE	WVD981738883	Fund Removal	001	7/25/87	12/4/87
03	WW	ROUND BOTTOM HILL	WVD981796387	Fund Removal	001	6/30/82	11/23/82
03	WW	ROUTE 52 WASHINGTON ST EXTENSION SITE	WVD981939622	FF Removal	001	2/2/86	2/23/86
03	WW	ROUTE 52 WASHINGTON ST EXTENSION SITE	WVD981939622	Fund Removal	001	4/7/85	10/17/87
03	WW	SAMUEL NEAL PROPERTY	WVD982364341	Fund Removal	001	9/20/84	9/10/85
03	WW	SASSER ELECTRIC CO DRUM SITE	WVD12325709	Fund Removal	001	5/29/87	4/13/88
03	WW	SEAWCO TRANSFORMER & DRUM SITE	WVD981035413	Fund Removal	001	7/26/84	8/7/84
03	WW	SEAWCO TRANSFORMER & DRUM SITE	WVD981035413	Fund Removal	002	9/1/84	10/31/84
03	WW	SEWELL BOTTOM DRUM DUMP	WVD981035413	Fund Removal	001	1/30/80	5/24/80
03	WW	SHAFFER EQUIP CO	WVD981038300	Fund Removal	001	12/28/84	12/20/87
03	WW	SHAFFER EQUIP CO	WVD981038300	Fund Removal	001	5/2/89	8/23/89
03	WW	SHAFFER EQUIP CO	WVD981038300	Fund Removal	003	11/1/80	4/1/81
03	WW	SHARON STEEL CORP (FAIRMONT COKE WORKS)	WVD981038300	Fund Removal	004	9/28/87	
03	WW	SHARON STEEL CORP (FAIRMONT COKE WORKS)	WVD000800441	FF Removal	001	12/11/88	
03	WW	SHARON STEEL CORP (FAIRMONT COKE WORKS)	WVD000800441	Fund Removal	001	5/24/83	8/15/86
03	WW	SLOAN GLASS SITE	WVD0008294104	Fund Removal	001	11/22/86	6/2/87
03	WW	SPELTER ZINC PLANT	WVD0008294104	Fund Removal	001	9/28/87	
03	WW	SPENCER TRANSFORMER PCB SITE	WVD021607494	FF Removal	001	3/4/91	9/7/83
03	WW	SPENCER TRANSFORMER PCB SITE	WVD021607494	Fund Removal	001	3/20/81	4/12/91
03	WW	STONEMAN PROPERTY DRUM SITE	WVD981738529	Fund Removal	001	6/19/85	8/19/85
03	WW	TAYLOR COUNTY MERCURY SITE	WVD001086744	Fund Removal	001	6/3/87	12/5/87
03	WW	TAYLOR COUNTY MERCURY SITE	WVD988768800	Fund Removal	001	4/25/80	10/27/80
03	WW	THOMPSON'S AUTO PARTS FIRE	WVD982368808	FF Removal	001	5/15/89	9/10/91
03	WW	TORCON HERBICIDE CHEM DUMP	WVD988795480	FF Removal	001	3/11/83	9/18/86
03	WW	TUG FORK OIL SPILL (WILLIAMSON YARD)	WVD982362880	Fund Removal	001	8/4/87	12/14/87
03	WW	UPPER GLADE DRUM DUMP	WVD981941885	Fund Removal	001	4/19/88	6/21/88
03	WW	UPSHUR COUNTY 4 H TARPIT	WVD988779801	Fund Removal	001	7/15/81	11/7/81
03	WW	VAUGHN RIN SOLVENT DUMP	WVD988779801	Fund Removal	001	5/6/83	
03	WW	VIENNA TETRACHLOROETHENE	WVD988779801	Fund Removal	001	8/19/81	
03	WW	W & G ELECTROPLATING	WVD988768642	Fund Removal	001	4/27/84	5/4/84
03	WW	WALTER TAYLOR PROPERTY	WVD980919120	Fund Removal	001	5/2/81	12/14/93
03	WW	WEIRTON DRUM DISPOSAL	WVD988762558	FF Removal	001	11/3/87	
03	WW	WEST VIRGINIA ORDNANCE (USARMY)	WVD980713038	FF Removal	001	5/15/88	5/20/88
03	WW	WEST VIRGINIA ORDNANCE (USARMY)	WVD980713038	PRP Removal	001	5/15/88	5/11/84
03	WW	WEST VIRGINIA ORDNANCE (USARMY)	WVD980713038	PRP Removal	002	4/11/84	5/11/84
03	WW	WEST VIRGINIA ORDNANCE (USARMY)	WVD980713038	PRP Removal	003	8/15/84	1/15/85
03	WW	WHEELING ACID SPILL SITE	WVD981739255	Fund Removal	001	2/27/87	4/16/87
03	WW	WHEELING LANDFILL/WHEELING HILL SPILL	WVD980930558	Fund Removal	001	8/30/83	12/20/83
03	WW	WHEELING SCRAP RADIATION SOURCE	WVD000958587	Fund Removal	001	10/10/86	7/24/87
03	WW	YOKUM WELL	WVD980918452	Fund Removal	001	9/28/83	3/20/84
04	AL	ALABAMA PLATING CO INC	ALD004022448	Fund Removal	001	7/20/98	
04	AL	AMERICAN BRASS	ALD981668466	Fund Removal	001	10/14/86	5/12/87
04	AL	AMERICAN BRASS	ALD981668466	Fund Removal	002	10/5/88	3/19/89
04	AL	ARAB PLATING CO	ALD000608018	Fund Removal	001	10/30/80	9/27/81

04	AL	ARAB PLATING CO	ALD000696016	Fund Removal	002	7/20/86	9/15/87
04	AL	B M F INDUSTRIES INC	ALD980596054	FF Removal	001	11/18/86	10/28/83
04	AL	B M F INDUSTRIES PETROLEUM PRODUCTS	ALD990031866	Fund Removal	001	10/11/83	10/1/89
04	AL	BAY OIL SERVICES	ALD983166083	FF Removal	001	10/1/89	7/10/89
04	AL	BAYFRONT ROAD DRUM SITE	ALD983166703	Fund Removal	001	3/21/89	8/6/86
04	AL	BESSEMER ADAMS SITE	ALD001411628	Fund Removal	001	7/22/86	12/7/83
04	AL	BESSEMER DRUM SITE	ALD983181983	Fund Removal	001	9/27/82	9/23/80
04	AL	BROWN WOOD PRESERVING CO INC	ALD062066192	FF Removal	001	3/15/80	6/10/85
04	AL	BURLINGTON CARRIERS HYDROFLUORIC ACID	ALD001113281	Fund Removal	001	6/8/85	10/28/83
04	AL	CALDWELL FOUNDRY & MACHINE	ALD004028633	Fund Removal	001	7/19/83	10/28/83
04	AL	CALLAHAN PROPERTY	ALD980710370	Fund Removal	001	9/27/83	8/13/81
04	AL	CAMP HILL DRUM SITE	ALD983167115	Fund Removal	001	8/13/81	11/1/81
04	AL	CARLIE LEE SITE	ALD983173719	Fund Removal	001	10/25/83	9/15/84
04	AL	CHEM FOUR	ALD981754328	Fund Removal	001	5/6/83	10/4/83
04	AL	CHEMICAL BARGE (STAR 6)	ALD983160460	Fund Removal	001	1/19/81	2/15/81
04	AL	COMMERCIAL BARGE (STAR 6)	ALD983166992	Fund Removal	001	7/20/89	11/16/89
04	AL	COMMERCIAL BLDG METHYL AMINE DUMP	ALD983191388	Fund Removal	001	10/7/82	5/14/83
04	AL	COUNTY ROAD 438 DRUM SITE	ALD983174509	Fund Removal	001	1/26/89	1/28/90
04	AL	EARL HAMMOND DUMP SITE	ALD983166598	Fund Removal	001	9/1/81	3/5/82
04	AL	FLINT RIVER BRIDGE DRUM	ALD983166513	Fund Removal	001	1/12/89	8/15/89
04	AL	FLOYD BRADFORD ROAD CHEMICALS	ALD981832478	Fund Removal	001	10/5/87	2/20/88
04	AL	FMHA-USDAVOY	ALD983079899	Fund Removal	001	10/23/89	10/23/89
04	AL	FORT MORGAN DRUM	ALD983079899	Fund Removal	001	4/13/83	7/20/83
04	AL	FUELS AND CHEMICALS	ALD980598950	Fund Removal	001	3/23/85	1/6/88
04	AL	FULLCO LUMBER COMPANY INC	ALD045632312	Fund Removal	001	11/2/87	8/27/88
04	AL	GARNER ROAD DRUM DUMP	ALD982111718	Fund Removal	001	8/27/86	5/5/84
04	AL	GULF SHORES	ALD983167057	Fund Removal	001	4/9/84	10/13/85
04	AL	ILCO COG SITE (MOODY)	ALD981930035	Fund Removal	001	7/11/85	7/28/87
04	AL	ILCO SATELLITE SITES	ALD001024783	Fund Removal	001	3/10/82	11/20/83
04	AL	INGRAM PROPERTY DRUM	ALD982119109	Fund Removal	001	4/15/87	7/1/87
04	AL	INTERSTATE LEAD CO. (ILCO)	ALD041906173	Fund Removal	001	8/24/90	6/14/91
04	AL	IRVINGTON TIRE FIRE	ALD001900380	FF Removal	001	6/10/86	7/28/86
04	AL	J & A ENTERPRISES	ALD983179896	Fund Removal	001	4/30/82	3/14/84
04	AL	JOHN LAW HOLLOW DRUMS	ALD021254503	Fund Removal	001	1/26/81	3/20/81
04	AL	JONES TIRE & BATTERY	ALD86601843	Fund Removal	001	1/2/84	1/13/84
04	AL	MACALLISTER DRUM SITE	ALD983167537	Fund Removal	002	11/20/89	12/20/89
04	AL	MACALLISTER DRUM SITE	ALD008214090	Fund Removal	001	3/9/80	9/21/80
04	AL	MARSHALL COUNTY MAINTENANCE DRUMS	ALD983166075	Fund Removal	001	1/25/89	1/25/89
04	AL	MOBILE AMERICAN BUMPER PLATING	ALD983167495	Fund Removal	001	5/23/89	5/23/89
04	AL	MOBILE BAY OIL COMPANY	ALD067102301	FF Removal	001	12/31/84	5/16/87
04	AL	MOBILE RIVER	ALD031618066	Fund Removal	001	5/12/81	6/10/81
04	AL	MONARCH TILE MANUFACTURING, INC.	ALD031618066	Fund Removal	001	6/4/87	6/20/87
04	AL	MOWBRAY ENGINEERING CO	ALD031618069	Fund Removal	002		
04	AL	MOWBRAY ENGINEERING CO.	ALD031618069	Fund Removal	002		

04	AL	NATIONAL TIRE AND SALVAGE FIRE SITE	ALD981524044	Fund Removal	001	3/5/89	3/19/99
04	AL	NEWFOUND RD HEXACHLOROETHANE BAG SITE	ALD981028913	Fund Removal	001	5/6/85	6/10/85
04	AL	CLIN CORP. (MCINTOSH PLANT)	ALD008188708	FF Removal	001	10/26/90	1/18/90
04	AL	REDWING CARRIERS, INC. (SARALAND)	ALD980844385	Fund Removal	001	8/1/95	10/29/95
04	AL	REDWING CARRIERS, INC. (SARALAND)	ALD980844385	Fund Removal	002	1/16/96	5/5/97
04	AL	RICHWOOD AVENUE ABANDONED DRUMS	ALD983165711	Fund Removal	001	3/21/89	8/18/89
04	AL	SOUTHERN COTTON OIL	ALD983167487	Fund Removal	001	4/30/90	10/20/90
04	AL	SOUTHERN PLATING	ALD983166034	Fund Removal	001	5/12/88	5/11/89
04	AL	STAR PLATING	ALD981475801	Fund Removal	001	11/4/86	6/12/87
04	AL	TURKEY CREEK BARREL DUMP	ALD982119349	Fund Removal	001	9/24/86	1/14/87
04	AL	US NASA MARSHALL SPACE FLIGHT CENTER	AL1800013863	PRP Removal	001	4/3/96	11/25/97
04	AL	USA ANNISTON ARMY DEPOT (SE INDUS. AREA)	AL3210020027	PRP Removal	001	11/19/82	1/25/93
04	AL	USA ANNISTON ARMY DEPOT (SE INDUS. AREA)	AL3210020027	PRP Removal	002	9/28/83	12/15/83
04	AL	VIRGINIA CAROLINA CHEMICAL CORP.	ALD983186123	FF Removal	001	11/11/92	9/23/93
04	AL	WALKER SPRINGS WOOD TREATER	ALD001332972	Fund Removal	001	6/2/87	
04	AL	WALLACE & WALLACE CHEMICAL AND OIL CORP	ALD982078453	Fund Removal	001	1/9/89	12/21/89
04	AL	WELCO INC. DUMP	ALD982111989	FF Removal	001	8/18/87	7/19/88
04	AL	WELCO INC. DUMP	ALD982111989	Fund Removal	001	6/25/87	8/18/87
04	AL	WELCO INC. DUMP	ALD982111989	Fund Removal	002	9/26/88	5/19/89
04	AL	WELSH COMPANY DRUM	ALD982111989	Fund Removal	003	3/11/91	3/21/91
04	FL	A & E CUSTOMS INC.	ALD984320210	Fund Removal	001	10/1/87	11/24/97
04	FL	A & E CUSTOMS INC.	FL0001788371	Fund Removal	001	9/18/97	3/17/98
04	FL	AKO BAYSIDE	FL0001788371	Fund Removal	002	1/8/99	3/18/99
04	FL	AMERICAN BUMPER CORP	FLD098172007	FF Removal	001	9/18/90	34/91
04	FL	AMERICAN CRESOTE WORKS (PENSACOLA PLT)	FLD059800654	FF Removal	001	4/12/90	11/30/90
04	FL	AMERICAN CRESOTE WORKS (PENSACOLA PLT)	FLD098161984	Fund Removal	001	2/16/83	2/19/83
04	FL	AMERICAN CRESOTE WORKS (PENSACOLA PLT)	FLD008161984	Fund Removal	002	4/7/83	4/8/83
04	FL	AMERICAN CRESOTE WORKS (PENSACOLA PLT)	FLD008161984	Fund Removal	003	9/20/83	11/20/83
04	FL	AMERICAN CRESOTE WORKS (PENSACOLA PLT)	FLD008161984	Fund Removal	004	7/17/84	7/20/84
04	FL	AMERICAN CRESOTE WORKS (PENSACOLA PLT)	FLD008161984	Fund Removal	005	11/18/85	4/18/86
04	FL	AMERICAN CRESOTE WORKS (PENSACOLA PLT)	FLD981929201	Fund Removal	001	5/19/86	10/1/88
04	FL	AMERICAN RADIOCHEMICAL	FLD020536538	FF Removal	002	8/17/86	4/10/87
04	FL	ANAONDA ALUMINUM CO./MILGO ELECTRONICS	FLD004108379	Fund Removal	001	3/2/83	6/6/83
04	FL	APF INDUSTRIES	FLD980709638	Fund Removal	001	3/9/92	1/3/94
04	FL	BALDWIN PCB SPILL	FL000175627	Fund Removal	001	2/12/83	2/15/83
04	FL	BARKER CHEMICAL SITE	FLD008763865	Fund Removal	001	4/15/86	4/9/87
04	FL	BAY DRUM	FLD008763865	Fund Removal	001	9/21/87	10/1/81
04	FL	BEACHED DRUM	FLD984170258	Fund Removal	001	11/3/82	11/8/82
04	FL	BELLE GLADE MERCURY SPILL	FLD000623611	Fund Removal	001	8/27/84	12/24/84
04	FL	BILL JOHNS WASTE OIL	FLD980406950	Fund Removal	001	6/12/86	8/11/87
04	FL	CASCADE PARK GASIFICATION PLANT	FLD981931959	FF Removal	001	12/22/88	
04	FL	CHEM AIR SPRAY	FLD981030458	FF Removal	001	5/22/82	
04	FL	CHEMFORM, INC.	FLD098074402	FF Removal	001	4/30/90	5/11/92

04	FL	04	FL	CHemspRAY INC	FLD03263626	001	9/20/84	9/20/84
04	FL	04	FL	CHemspRAY INC	FLD03263626	002	2/10/84	2/10/84
04	FL	04	FL	CHEVRON CHEMICAL CO. (ORTHO DIVISION)	FLD04064242	001	8/20/80	9/15/82
04	FL	04	FL	CHEVRON CHEMICAL CO. (ORTHO DIVISION)	FLD04064242	002	3/17/84	9/28/84
04	FL	04	FL	CITY INDUSTRIES, INC.	FLD05584563	001	3/5/84	5/29/84
04	FL	04	FL	COLEMAN-EVANS WOOD PRESERVING CO.	FLD091279884	001	10/15/84	11/15/84
04	FL	04	FL	COLEMAN-EVANS WOOD PRESERVING CO.	FLD091279884	002	6/28/85	7/12/85
04	FL	04	FL	COLEMAN-EVANS WOOD PRESERVING CO.	FLD091279884	003	10/15/82	11/15/82
04	FL	04	FL	CREOSOTE TANKS/TALLYRAND ROAD	FLD091279884	001	6/24/83	12/31/85
04	FL	04	FL	CSX SULFURIC ACID SPILL	FLD981829193	001	9/18/84	9/28/84
04	FL	04	FL	CULBERTSON PLASTICS DRUM SITE	FLD984169672	001	9/5/89	2/28/90
04	FL	04	FL	DANMARK SITE	FLD001255312	001	1/16/86	7/31/86
04	FL	04	FL	DUNAWAY LEAD	FLD001083103	001	5/8/85	4/1/86
04	FL	04	FL	EDMOND'S SALVAGE YARD	FLD001348386	001	3/18/86	3/27/86
04	FL	04	FL	ELLIS INDUSTRIAL WAREHOUSE	FLD981466877	001	12/7/87	12/21/87
04	FL	04	FL	ELLIS ROAD	FLD984229252	001	12/20/81	8/15/82
04	FL	04	FL	ESCAMBIA WOOD - PENSACOLA	FLD981831827	001	9/4/87	6/28/89
04	FL	04	FL	ESCAMBIA WOOD - PENSACOLA	FLD008166346	001	4/15/91	2/28/95
04	FL	04	FL	ETHANOL CORP. SITE	FLD008166346	002	4/1/86	5/1/86
04	FL	04	FL	FAIRBANKS DOT WASTE DISPOSAL	FLD9842719113	001	4/1/82	11/30/83
04	FL	04	FL	FLORIDA PETROLEUM REPROCESSORS	FLD980844906	001	1/19/84	7/1/86
04	FL	04	FL	FORT PIERCE ABANDONED DRUM	FLD984184127	001	12/15/86	3/18/87
04	FL	04	FL	GENERAL LAMINATES ABANDONED DRUMS	FLD984170274	001	7/27/84	7/28/84
04	FL	04	FL	GULF BREEZE II	FLD982121770	001	4/11/88	8/27/88
04	FL	04	FL	GULF BREEZE NATIONAL SEASHORE	FLD984170340	001	10/21/88	10/21/88
04	FL	04	FL	HILLSBOROUGH RIVER ABANDONED DRUM	FLD984170332	001	10/7/88	10/7/88
04	FL	04	FL	HIPPS ROAD LANDFILL	FLD984170233	001	4/13/89	4/13/89
04	FL	04	FL	HOLLINGSWORTH SOLDERLESS TERMINAL	FLD980709802	001	1/21/85	9/30/85
04	FL	04	FL	HOLLOWAY WASTE OIL	FLD084119881	001	2/5/87	2/13/87
04	FL	04	FL	HUNTERS DRUM & CHEMICAL	FLD807369846	001	8/1/85	7/30/86
04	FL	04	FL	HURRICANE ANDREW RESPONSE/CITY OF MIAMI	FLD984168476	001	7/19/83	11/23/83
04	FL	04	FL	INDIAN BAYOU	FLD984246413	001	8/30/82	12/3/82
04	FL	04	FL	ITT-THOMPSON INDUSTRIES, INC	FLD000069506	001	2/8/81	12/9/91
04	FL	04	FL	JENSON BEACH	FL1650331326	001	11/13/88	11/2/90
04	FL	04	FL	KENBAR ELECTROPLATING, INC.	FLD981930456	001	11/9/81	6/30/82
04	FL	04	FL	LAKE WORTH INLET	FLD98170308	001	5/7/85	6/4/85
04	FL	04	FL	LAUDERDALE CHEMICAL WAREHOUSE	FLD984170308	001	5/16/84	10/7/84
04	FL	04	FL	LINDSLEY LUMBER	FLD089119713	001	7/27/80	9/11/82
04	FL	04	FL	LUMMIS ISLAND	FLD984170217	001	4/9/84	4/10/84
04	FL	04	FL	MALONE AIR SERVICE	FLD984175430	001	9/24/90	4/10/91
04	FL	04	FL	MANASOTA PLATING	FLD118659713	001	6/9/82	6/30/82
04	FL	04	FL	MANASOTA PLATING	FLD118659713	002	3/10/83	10/18/84

04	FL	MARATHON KEY ABANDONED DRUM	FLD984170282	Fund Removal	001	1/1/85	1/1/85
04	FL	MARYLAND ASSEMBLIES INC	FLD061906426	Fund Removal	001	10/2/91	8/14/92
04	FL	MAT CHEMICAL	FLD060935079	Fund Removal	001	6/12/85	3/19/96
04	FL	MELROSE LEAD SITE	FLD000460824	Fund Removal	001	11/1/95	2/15/96
04	FL	MONTCO RESEARCH PRODUCTS, INC.	FLD061897054	FF Removal	001	10/15/88	1/30/89
04	FL	NAVARRE BEACH	FLD984170316	Fund Removal	001	5/6/88	5/6/88
04	FL	NEW PORT RICHEY DRUM	FLD000009480	Fund Removal	001	12/17/91	12/18/91
04	FL	NORMANDY PARK APARTMENTS	FLD98423773	FF Removal	001	12/17/92	10/24/95
04	FL	ORDNANCE RESEARCH INSTITUTE	FLD046098354	FF Removal	001	1/15/88	4/11/88
04	FL	ORDNANCE RESEARCH INSTITUTE	FLD046098354	Fund Removal	001	9/19/87	1/15/88
04	FL	PALM BAY PHOSPHORUS	FLD984171942	Fund Removal	001	3/19/90	3/19/90
04	FL	PEAK OIL CO./BAY DRUM CO.	FLD004091807	Fund Removal	001	9/30/85	9/30/92
04	FL	PEELE-DIXIE WELLFIELD SITE	FLD98425374	FF Removal	001	4/4/94	
04	FL	PENSACOLA NAVAL AIR STATION	FLD984167989	Fund Removal	001	12/18/82	12/18/82
04	FL	PENSACOLA NAVAL AIR STATION	FL9170024567	PRP Removal	001	10/5/94	10/5/94
04	FL	PENSACOLA NAVAL AIR STATION	FL9170024567	PRP Removal	002	10/5/94	10/5/94
04	FL	PENSACOLA NAVAL AIR STATION	FL9170024567	PRP Removal	003	10/5/94	10/5/94
04	FL	PENSACOLA NAVAL AIR STATION	FL9170024567	PRP Removal	004	10/5/94	10/5/94
04	FL	PENSACOLA NAVAL AIR STATION	FL9170024567	PRP Removal	005	7/11/95	2/1/98
04	FL	PENSACOLA NAVAL AIR STATION	FL9170024567	PRP Removal	006	9/30/95	12/31/95
04	FL	PENSACOLA NAVAL AIR STATION	FL9170024567	PRP Removal	007	3/2/98	9/24/98
04	FL	PENSACOLA NAVAL AIR STATION	FL9170024567	PRP Removal	008	2/4/98	9/24/98
04	FL	PENSACOLA NAVAL AIR STATION	FL9170024567	PRP Removal	009	3/10/98	9/24/98
04	FL	PENSACOLA NAVAL AIR STATION	FL9170024567	PRP Removal	010	3/17/98	9/24/98
04	FL	PENSACOLA NAVAL AIR STATION	FL9170024567	PRP Removal	012	3/6/98	9/24/98
04	FL	PEPPER STEEL & ALLOYS, INC.	FLD032544587	Fund Removal	001	7/18/83	9/2/83
04	FL	PERSONS PROPERTY PCBs	FLD981930068	Fund Removal	001	5/11/87	5/13/87
04	FL	PETROLEUM PRODUCTS CORP	FLD980796688	FF Removal	001	4/11/85	10/10/85
04	FL	PIER PROPERTY DRUM	FLD980796688	Fund Removal	001	3/11/85	4/24/85
04	FL	PIONEER SAND CO.	FL0001098718	Fund Removal	001	7/15/95	3/7/96
04	FL	POST & LUMBER PRESERVING CO INC	FLD056116985	Fund Removal	001	8/4/86	8/6/86
04	FL	QUAL KROM SOUTH	FLD004061925	Fund Removal	001	6/12/95	5/13/96
04	FL	QUAL KROM SOUTH	FLD981868045	Fund Removal	001	10/14/84	10/17/84
04	FL	ROMARC INDUSTRIES SITE	FLD002072882	Fund Removal	002	1/18/95	6/15/96
04	FL	ROUSE STEEL DRUM	FLD003391542	Fund Removal	001	3/29/89	12/9/93
04	FL	ROYAL CHROME BUMPER	FLD033291542	Fund Removal	002	9/15/83	3/29/97
04	FL	S & S FLYING SERVICE	FLD042475723	Fund Removal	001	6/14/84	3/17/85
04	FL	S & S FLYING SERVICE	FLD981930514	Fund Removal	001	9/30/88	11/23/88
04	FL	S & S FLYING SERVICE	FLD981930514	Fund Removal	002	3/23/90	9/14/90
04	FL	S & S FLYING SERVICE	FLD981930514	Fund Removal	003	4/6/91	4/6/91
04	FL	SAND KEY	FLD984170290	Fund Removal	001	3/11/85	3/11/85
04	FL	SKIPPERS III	FLD065920241	Fund Removal	001	5/15/89	3/1/90

04	FL	SNAPPER LANE	FLD984170266	Fund Removal	001	10/12/83	10/14/83
04	FL	SOUTHERN CROP SERVICES	FLD69852751	Fund Removal	001	2/6/88	3/4/89
04	FL	ST. AUGUSTINE GAS COMPANY	FLD101835528	FF Removal	001	9/22/96	
04	FL	ST. JOHN RIVER	FLD984170209	Fund Removal	001	9/14/84	10/3/84
04	FL	ST. JOHN'S RIVER DRUM	FLD000099316	Fund Removal	001	5/14/82	5/14/82
04	FL	STANDARD AUTO BUMPER CORP.	FLD004126520	FF Removal	001	5/15/89	12/13/89
04	FL	STANDARD AUTO BUMPER CORP.	FLD004126520	Fund Removal	001	2/3/93	9/30/94
04	FL	STANLEY METALS	FLD0922323251	FF Removal	001	3/15/98	3/31/98
04	FL	STAUFFER CHEMICAL CO. (TAMPA)	FLD04062532	FF Removal	001	1/4/83	10/30/94
04	FL	STAUFFER CHEMICAL CO. (TARPOON SPRINGS)	FLD10598013	FF Removal	001	3/11/97	9/25/98
04	FL	STONEY MINE SLUDGE PONDS	FLD00946055	FF Removal	001	6/1/89	7/1/89
04	FL	TAMPA UNKNOWN SPILL	FLD984170225	Fund Removal	001	11/29/84	12/3/84
04	FL	TOWER CHEMICAL CO.	FLD004065546	FF Removal	001	6/9/83	6/27/83
04	FL	TOWER CHEMICAL CO.	FLD004065546	Fund Removal	001	6/27/83	7/16/83
04	FL	TOWER CHEMICAL CO.	FLD094065546	Fund Removal	002	2/8/88	7/13/90
04	FL	TRI-CITY OIL CONSERVATIONIST, INC	FLD070864541	FF Removal	001	2/6/84	2/15/84
04	FL	TRI-CITY OIL CONSERVATIONIST, INC	FLD070864541	Fund Removal	001	2/13/84	2/18/84
04	FL	UMATILLA FOREST DUMP	FLD984197350	Fund Removal	001	4/18/91	10/1/91
04	FL	UNITED METALS, INC.	FLD09824038	Fund Removal	001	10/11/96	3/6/98
04	FL	UNIVERSITY OF FL PENTABORANE CYLINDER	FLD000823393	Fund Removal	001	11/8/96	3/18/97
04	FL	UPSILON-DAVIS PLATING	FLD00444121	Fund Removal	001	12/3/92	3/24/93
04	FL	USAF HOMESTEAD AFB	FL7570024037	PRP Removal	001	9/8/92	10/17/92
04	FL	USAF HOMESTEAD AFB	FL7570024037	PRP Removal	002	9/8/92	10/17/92
04	FL	USAF HOMESTEAD AFB	FL7570024037	PRP Removal	003	9/8/92	10/17/92
04	FL	USAF HOMESTEAD AFB	FL7570024037	PRP Removal	004	9/8/92	10/17/92
04	FL	USAF HOMESTEAD AFB	FL7570024037	PRP Removal	005	9/8/92	10/17/92
04	FL	USAF HOMESTEAD AFB	FL7570024037	PRP Removal	006	9/8/92	10/17/92
04	FL	USAF HOMESTEAD AFB	FL7570024037	PRP Removal	007	9/8/92	10/17/92
04	FL	USAF HOMESTEAD AFB	FL7570024037	PRP Removal	008	9/8/92	10/17/92
04	FL	USAF HOMESTEAD AFB	FL7570024037	PRP Removal	009	9/8/92	10/17/92
04	FL	USAF HOMESTEAD AFB	FL7570024037	PRP Removal	010	1/5/94	7/30/94
04	FL	USAF TYNDALL AIR FORCE BASE	FL1570024124	PRP Removal	001	1/5/94	7/30/94
04	FL	USN AIR STATION CECIL FIELD	FL170022474	PRP Removal	001	12/8/96	2/10/97
04	FL	USN AIR STATION CECIL FIELD	FL170022474	PRP Removal	001	6/8/98	1/26/98
04	FL	VILLAGE CUSTOM RADIATORS	FL000965382	PRP Removal	002	5/6/98	8/21/98
04	FL	WALTERS BATTERY HOUSE	FL000965382	Fund Removal	001	3/17/99	3/31/99
04	FL	WASTE CHEMICAL SPILL	FL0002335438	Fund Removal	001	6/24/98	7/1/98
04	FL	WEEKLEY LUMBER	FLD980709620	Fund Removal	001	8/4/82	9/17/82
04	FL	WEEKLEY LUMBER	FLD054888672	Fund Removal	001	7/13/93	3/7/94
04	FL	WESTINGHOUSE ELECTRIC CORP., BALDWIN	FLD004114393	Fund Removal	001	5/18/95	12/14/95
04	FL	WHITEHOUSE OIL PITS	FLD980515563	FF Removal	001	3/28/88	7/26/88
04	FL	WHITEHOUSE OIL PITS	FLD98062767	Fund Removal	001	8/13/86	8/13/86
04	FL	WHITEHOUSE OIL PITS	FLD98062767	Fund Removal	002	11/16/87	2/15/87

04	FL	WHITEHOUSE OIL PITS	Fund Removal	003	10/5/92	10/29/92
04	FL	WILLIAMS PESTICIDE SITE	Fund Removal	001	4/6/93	4/9/93
04	FL	WOODBURY CHEMICAL CO. (PRINCETON PLANT)	FF Removal	001	13/9/90	3/6/90
04	FL	WORTHINGTON SPRINGS	Fund Removal	001	10/13/87	10/13/88
04	FL	YELLOW WATER ROAD DUMP	FF Removal	001	5/9/88	7/29/88
04	FL	YELLOW WATER ROAD DUMP	Fund Removal	001	12/3/84	3/7/85
04	GA	9TH STREET DUMP SITE	FF Removal	001	11/15/93	8/30/94
04	GA	A & D BARREL & DRUM CO INC	Fund Removal	001	5/6/93	8/27/93
04	GA	ABRAMS BIG STAR PROPERTIES DUMP SITE	Fund Removal	001	13/1/89	6/9/89
04	GA	ADEL DRUM SITE	Fund Removal	001	4/19/93	9/23/93
04	GA	AMERICAN THREAD WHSE FIRE	Fund Removal	001	3/12/99	3/18/99
04	GA	AUGUSTA WOOD PRESERVING CO INC	FF Removal	001	7/7/89	9/1/89
04	GA	B & H TIRE FIRE	Fund Removal	001	10/11/92	1/1/95
04	GA	B&M AJTO	Fund Removal	001	9/25/94	10/13/94
04	GA	BALE ST. DRUM SITE	Fund Removal	001	5/30/91	5/31/91
04	GA	BANKS COUNTY DRUM	Fund Removal	001	5/20/87	10/27/87
04	GA	BARNES MILL RD ABANDONED DRUM	Fund Removal	001	6/4/87	6/5/87
04	GA	BARROW COUNTY DRUM	Fund Removal	001	1/31/86	2/13/86
04	GA	BASKET CREEK DRUM DISPOSAL	FF Removal	001	5/1/91	7/17/92
04	GA	BASKET CREEK SURFACE IMPOUNDMENT	FF Removal	001	5/1/91	9/16/93
04	GA	BATTLEFIELD PARKWAY AMMO DUMP	Fund Removal	001	3/15/88	1/1/89
04	GA	BERRIEN PRODUCTS, INC.	Fund Removal	001	11/20/85	6/27/86
04	GA	BIDEX ROAD MIDNIGHT DUMP	Fund Removal	001	3/15/89	11/1/89
04	GA	BLACKSHEAR DRUMS	Fund Removal	001	11/25/91	2/1/92
04	GA	BF SANDY PLAINS DRUM SITE	Fund Removal	001	4/10/92	6/29/92
04	GA	BROOKWOOD ROAD MIDNIGHT DUMP	Fund Removal	001	8/20/92	12/16/92
04	GA	BROOKWOOD ROAD PRESERVING	Fund Removal	001	3/22/91	11/1/94
04	GA	BRUNSWICK WOOD PRESERVING	Fund Removal	002	11/7/94	4/30/95
04	GA	BRUNSWICK WOOD PRESERVING	Fund Removal	001	8/7/84	11/20/84
04	GA	BUFORD HWY. CHEMICAL DRUMS	Fund Removal	001	7/24/89	5/18/90
04	GA	BURKE COUNTY PESTICIDES WAREHOUSES	Fund Removal	001	8/7/86	10/28/98
04	GA	BUTNER RD METHAMPHETAMINE LAB SITE	Fund Removal	001	8/26/91	5/1/92
04	GA	BYROMVILLE DRUMS SITE	FF Removal	001	3/20/89	6/6/94
04	GA	C & H TRANSPORTATION/GARDEN LAKE REALTY	Fund Removal	001	9/25/84	11/20/84
04	GA	CASCADE RD LANDFILL	Fund Removal	001	3/19/85	4/30/85
04	GA	CATOOCHA COUNTY LABPACK	Fund Removal	001	6/26/89	9/9/89
04	GA	CEDARTOWN BATTERY	Fund Removal	001	11/5/90	11/25/91
04	GA	CEDARTOWN BATTERY	Fund Removal	002	3/17/98	3/24/98
04	GA	CEDARTOWN CYANIDE RELEASE	Fund Removal	001	3/20/90	5/8/90
04	GA	CEDARTOWN INDUSTRIES, INC.	FF Removal	001	12/16/88	8/2/91
04	GA	CHEMRESOL INC	Fund Removal	001	4/20/88	12/22/88
04	GA	CHEMRESOL INC	Fund Removal	001	6/21/92	6/21/92
04	GA	CITATION TACKLE	Fund Removal	001	5/23/90	8/13/90
04	GA	CLARK BROTHERS WAREHOUSE	Fund Removal	001		

04	GA	COASTAL PLAIN TREATING CO.	GAD080844559	Fund Removal	001	8/5/97	6/1/96
04	GA	COBB COUNTY DRUMS	GAD094266031	Fund Removal	001	4/19/88	6/6/88
04	GA	COLONY CENTER DRUM SITE	GAD084318469	Fund Removal	001	12/9/92	2/2/93
04	GA	DADE COUNTY DRUM SITE	GAD082111932	Fund Removal	001	7/22/87	10/23/87
04	GA	DAYTONA ANTIFREEZE	GAD091271968	Fund Removal	001	9/12/91	12/15/92
04	GA	DIAMOND SHAMROCK CORP. LANDFILL	GAD090741092	FF Removal	001	1/12/90	1/18/92
04	GA	DICKERSON POST TREATING	GAD090848170	Fund Removal	001	6/27/87	3/18/88
04	GA	DICKERSON POST TREATING	GAD090848170	Fund Removal	002	7/22/87	3/19/88
04	GA	EASTERN CHEMICAL CO.	GAD134236371	Fund Removal	001	7/23/86	7/23/86
04	GA	ELVA RESIDENCE	GAD084319376	Fund Removal	001	6/22/88	6/26/88
04	GA	ELVA DRIVE DRUM SITE	GAD094268134	Fund Removal	001	1/4/91	1/4/91
04	GA	ESCAMBIA WOOD - CAMILLA	GAD008212409	Fund Removal	001	5/1/81	4/1/84
04	GA	ESCAMBIA WOOD - CAMILLA	GAD008212409	Fund Removal	002	4/1/84	8/31/85
04	GA	ESCAMBIA WOOD - CAMILLA	GAD008212409	Fund Removal	003	5/11/88	5/22/88
04	GA	FOSTER, GAIL PROPERTY	GAD090839863	Fund Removal	001	7/13/84	7/13/84
04	GA	FRED RAMSEY TANK SITE	GAD094268902	FF Removal	001	5/1/82	7/27/82
04	GA	FT. OGLETHORPE DRUM SITE	GAD091929268	Fund Removal	001	1/25/85	2/28/85
04	GA	GA HWY 138	GAD091929383	Fund Removal	001	3/24/84	4/12/84
04	GA	GENERAL REFINING CO. ABANDONED SITE	GAD091929383	Fund Removal	001	8/14/85	7/20/80
04	GA	GEORGIA TRANSFORMER	GAD094292771	Fund Removal	001	11/6/91	9/24/92
04	GA	GOLDEN SEED SITE	GAD094321901	Fund Removal	001	10/5/83	9/8/94
04	GA	GRIFFIN ROLLOFF FIRE	GASF0406898	Fund Removal	001	2/12/99	2/16/99
04	GA	WINNETT COUNTY LAB PACK	GAD094275743	Fund Removal	001	10/20/88	10/28/88
04	GA	HADAWAY ROAD	GAD091929565	Fund Removal	001	4/29/85	4/29/85
04	GA	HARRIS ROAD SITE	GAD094305888	Fund Removal	001	1/10/92	3/20/92
04	GA	HEAD PCB SITE (MIDNIGHT DUMPING)	GAD0911024227	Fund Removal	001	1/17/84	2/7/85
04	GA	HEADLAND DRIVE DRUMS	GAD094279208	Fund Removal	001	5/14/89	5/14/89
04	GA	HELTON PROPERTY LAB PACKS SPILL	GAD091929508	Fund Removal	001	4/2/87	5/15/87
04	GA	HENKEL SITE	GAD094279869	FF Removal	001	11/26/90	11/29/94
04	GA	HI-POINT RD/DOUGLAS COUNTY SPILL	GAD090711139	Fund Removal	001	5/11/84	5/17/84
04	GA	HOGANSVILLE ASBESTOS SITE	GAD094303719	FF Removal	001	2/14/94	8/15/94
04	GA	HOGANSVILLE ASBESTOS SITE	GAD094303719	FF Removal	002	1/1/95	11/7/95
04	GA	HOLL-WOOD CEMETERY	GAD084463232	Fund Removal	001	6/1/87	8/18/87
04	GA	HWY 155	GAD094321380	Fund Removal	001	5/14/83	12/15/83
04	GA	IVEY ROAD SITE	GAD091929387	Fund Removal	001	10/1/84	10/30/84
04	GA	J.C.'S BODY SHOP DRUM SITE	GAD091929387	FF Removal	001	2/22/90	2/23/90
04	GA	J.L. WASTE OIL	GAD094279471	Fund Removal	001	1/120/90	7/1/92
04	GA	JOHNSON, ALBERT L. PROPERTY	GAD094287326	Fund Removal	001	4/9/84	4/16/84
04	GA	KENYON STREET DRUMS	GAD080639662	Fund Removal	001	2/26/87	3/20/87
04	GA	KEY ROAD LANDFILL DRUM	GAD091930233	Fund Removal	001	8/20/80	12/14/80
04	GA	KHOURY TRAILER PARK	GAD094279935	Fund Removal	001	9/13/88	3/15/89
04	GA	KROGER MALL (PERC)	GAD094274555	Fund Removal	001	10/6/92	1/30/92
04	GA	LAKE KATHY DISPOSAL SITE	GAD094317545	Fund Removal	001	12/24/84	1/30/85
04	GA	LAKE KATHY DISPOSAL SITE	GAD090846887	Fund Removal	001		

04	GA	LCP CHEMICALS GEORGIA	GAD098030182	FF Removal	001	3/16/94	6/1/97
04	GA	LCP CHEMICALS GEORGIA	GAD980303182	FF Removal	002	2/4/98	
04	GA	LINCREST WAY	GAD981929631	Fund Removal	001	4/23/87	5/30/87
04	GA	LITHONIA DRUMS DUMP	GAD984278887	Fund Removal	001	3/14/89	11/8/89
04	GA	LOWER RIVER ROAD	GAD984290006	Fund Removal	001	2/10/92	8/11/92
04	GA	LULU'S TRADING CO	GAD002368165	Fund Removal	001	5/29/98	5/29/98
04	GA	MARIETTA MERCURY SPILL	GAD984267328	Fund Removal	001	4/12/88	4/12/88
04	GA	MARIETTA ROAD SPILL	GAD980841670	Fund Removal	001	12/2/83	12/2/83
04	GA	MARZONE INC./CHEVRON CHEMICAL CO.	GAD991275686	FF Removal	001	5/5/85	5/18/85
04	GA	MARZONE INC./CHEVRON CHEMICAL CO.	GAD991275686	Fund Removal	001	10/29/84	12/3/84
04	GA	MATHIS BROTHERS CHICKAMAUGA RD LANDFILL	GAD98038494	Fund Removal	001	7/23/87	10/23/87
04	GA	MAXI-EM, INC	GAD984278521	Fund Removal	001	3/14/90	3/14/90
04	GA	MCCLOSKEY'S FARM	GAD980293339	FF Removal	001	6/24/94	3/15/95
04	GA	MCDONALD FARM	GAD984267336	Fund Removal	001	6/3/88	8/30/88
04	GA	MIDDLETON DERAILMENT	GAD0981929748	Fund Removal	001	4/27/87	9/15/87
04	GA	MONTREAL COURT DRUM SITE	GAD984272773	FF Removal	001	8/6/88	10/20/88
04	GA	MOORES MILL RD & I-75	GAD984279372	Fund Removal	001	5/23/90	10/4/90
04	GA	MOSS FARM	GAD000138453	Fund Removal	001	3/5/94	3/6/94
04	GA	MULDOON SURPLUS SUPPLY	GAD982111973	Fund Removal	001	8/20/87	9/23/87
04	GA	MURPHY AVE DRUM SITE	GAD001141720	Fund Removal	001	8/14/95	8/15/95
04	GA	NAOMI SR 151 DRUM DISPOSAL AREA	GAD001915185	Fund Removal	001	6/3/87	4/6/88
04	GA	NASHVILLE PESTICIDE DISPOSAL SITE	GAD981476013	Fund Removal	001	5/9/88	10/21/86
04	GA	NATIONAL SMELTING & REFINING CO INC	GAD981025042	Fund Removal	001	1/1/88	11/23/85
04	GA	NEWMAN LANDFILL	GAD981932510	Fund Removal	001	6/14/89	8/26/89
04	GA	NORCROSS MERCURY SPILL	GAD981932510	Fund Removal	001	9/18/87	11/5/87
04	GA	NORTH COOPER LAKE ROAD SITE	GAD984303727	Fund Removal	001	1/17/91	11/4/91
04	GA	OLD LARAMORE LTD. DRUM SITE	GAD000135270	Fund Removal	001	3/3/94	4/15/94
04	GA	OYSTER SHELL CAFE	GAD980847119	Fund Removal	001	8/21/86	8/21/86
04	GA	P.I.C. DRUM SITE	GAD984278513	Fund Removal	001	6/11/80	8/6/90
04	GA	PALMETTO ELEMENTARY MERCURY SPILL	GAD002463768	Fund Removal	001	8/28/98	8/26/98
04	GA	PALMETTO TIRE FIRE	GASFN0406886	Fund Removal	001	11/4/96	
04	GA	PAPER MILL ROAD ABANDONED DRUM	GAD984315358	Fund Removal	001	7/30/92	8/24/95
04	GA	PARRAMORE FERTILIZER	GAD984274829	Fund Removal	001	10/11/88	1/25/89
04	GA	PAVILLION DRUM SITE	GAD984321786	Fund Removal	001	6/16/93	7/18/94
04	GA	PAYCO PALLET AND DRUM SITE	GAD984279406	Fund Removal	001	1/28/90	8/3/90
04	GA	PEACH METALS	GAD980710552	Fund Removal	001	3/6/84	4/10/84
04	GA	PEACHTREE INDUSTRIAL MERCURY SPILL	GAD984287183	FF Removal	001	3/1/91	8/8/95
04	GA	PEACOCK FARM SITE	GAD982120057	Fund Removal	001	12/30/87	2/24/88
04	GA	PETRO TRUCK STOP	GAD984288894	FF Removal	001	8/16/93	8/30/94
04	GA	PRESTIGE CHEMICALS COMPANY	GAD001402481	Fund Removal	001	5/28/96	5/29/96
04	GA	PULVARIZING PLANT DRUMS	GAD002026550	Fund Removal	001	10/22/87	8/7/88
04	GA	RAY'S MACHINE SHOP	GAD981929805	Fund Removal	001	3/24/87	6/5/87
04	GA		GAD000874485	FF Removal	001	9/22/94	11/7/94

04	GA	RED MILL ROAD DRUM	GAD984318616	Fund Removal	001	3/2/83	3/2/83
04	GA	RIVER ROAD DRUMS	GAD984279180	Fund Removal	001	4/26/89	11/10/89
04	GA	ROCKBRIDGE PARK/CHEMICAL DRUMS	GAD980339664	Fund Removal	001	1/5/84	1/25/84
04	GA	ROME COAL TAR PIT	GAD981002983	Fund Removal	001	5/19/85	5/19/85
04	GA	ROOSEVELT HWY SPILL	GAD980339922	Fund Removal	001	12/8/83	12/15/83
04	GA	ROY DAVIS PROPERTY / GORDON COUNTY	GAD980841852	Fund Removal	001	1/15/84	11/29/84
04	GA	SALVO PROPERTY	GAD980842272	Fund Removal	001	10/2/86	1/13/86
04	GA	SAVAGE ROAD CARPET FIRE	GA0001090109	Fund Removal	001	3/12/85	3/12/85
04	GA	SHAVER'S (HAROLD) FARM	GAD980840078	FF Removal	002	4/29/85	1/30/86
04	GA	SHAVER'S (HAROLD) FARM	GAD980840078	FF Removal	001	1/6/89	10/15/90
04	GA	SIMPSON ROAD DUMP SITE	GAD981024425	Fund Removal	001	2/23/85	4/15/85
04	GA	SPECTRUM PRINTING	GAD982114767	FF Removal	001	9/27/86	4/2/89
04	GA	SPRINGFIELD DRIVE DRUM	GAD984306652	Fund Removal	001	1/27/82	7/1/82
04	GA	STILLHOUSE ROAD	GAD984279186	FF Removal	001	3/12/89	3/16/89
04	GA	STOLLER CHEMICAL/PELHAM PHOSPHATE CO.	GAD003300092	Fund Removal	001	7/15/92	2/29/86
04	GA	STOLLER CHEMICAL/PELHAM PHOSPHATE CO.	GAD003300092	Fund Removal	002	3/31/86	12/11/88
04	GA	STONE MOUNTAIN DRUMS	GAD984300020	Fund Removal	001	9/24/91	12/24/91
04	GA	STONEWALL DRIVE DRUM SITE	GAD984279810	Fund Removal	001	6/11/80	7/31/80
04	GA	SUN LABS	GAD984319756	Fund Removal	001	6/2/83	2/23/84
04	GA	SWAINSBORO PRINT WORKS	GAD980846725	Fund Removal	001	2/7/84	2/28/84
04	GA	SWAINSBORO PRINT WORKS	GAD980846725	Fund Removal	001	6/12/84	6/29/84
04	GA	SWEETWATER CREEK STATE PARK	GAD981929987	Fund Removal	001	9/19/86	1/28/87
04	GA	SYCAMORE PESTICIDE SITE	GAD984279752	Fund Removal	001	4/21/90	4/1/92
04	GA	T.H. AGRICULTURE & NUTRITION (ALBANY)	GAD042101261	FF Removal	001	3/23/82	12/31/83
04	GA	TAYLOR RIDGE MIDNIGHT DUMP	GAD984318635	Fund Removal	001	7/24/82	11/20/82
04	GA	TERRY CREEK DREDGE SPOIL AREA	GAD982112658	FF Removal	001	12/12/87	
04	GA	TERRY CREEK DREDGE SPOIL AREA	GAD982112658	Fund Removal	001	6/30/89	9/15/89
04	GA	THAXTON ROAD DRUM	GAD984306373	Fund Removal	001	2/12/92	2/13/92
04	GA	THOMAS MILL ROAD DRUM SITE	GASFN0406897	Fund Removal	001	12/23/88	12/23/88
04	GA	TIFTON DRUMS	GAD984320655	Fund Removal	001	4/15/83	9/23/83
04	GA	TRAMMEL RD. DRUM SITE	GASFN0406859	Fund Removal	001	9/18/86	12/1/86
04	GA	TURNER HILL ROAD DRUM SITE	GAD984279188	Fund Removal	001	3/15/89	1/16/90
04	GA	US CUSTOMS PESTICIDES WAREHOUSE	GAD981930082	Fund Removal	001	7/22/85	7/26/85
04	GA	USMC LOGISTICS BASE 555	GA7170023684	PRP Removal	001	8/10/95	6/16/95
04	GA	USMC LOGISTICS BASE 555	GA7170023684	PRP Removal	002	6/17/96	3/13/97
04	GA	USMC LOGISTICS BASE 555	GA7170023684	PRP Removal	003	12/30/96	12/3/97
04	GA	USMC LOGISTICS BASE 555	GA7170023684	PRP Removal	004	4/3/97	12/4/97
04	GA	VULCAN ROAD DRUMS	GAD984299537	Fund Removal	005	9/21/97	
04	GA	WASHINGTON ETHER SITE	GAD984280354	Fund Removal	001	8/30/91	2/28/92
04	GA	WEST GEORGIA INDUSTRIAL PLATING SITE	GAD984322313	Fund Removal	001	9/19/90	9/19/90
04	GA	WEST LEE'S MILL RD DRUM SITE	GAD984319749	Fund Removal	001	7/15/93	3/6/94
04	GA	WESTSIDE DRIVE DRUM	GAD984305686	Fund Removal	001	3/6/93	6/31/93
04	GA	WESTSIDE DRIVE DRUM	GAD984305686	Fund Removal	001	1/13/92	3/20/92

04	GA	WINDER-BARBORW SPEEDWAY DRUM	GA0000925877	Fund Removal	001	922294	10/8/87
04	GA	WOODWARD MILL MIDNIGHT & DUMP	GAD981929862	Fund Removal	001	59/86	7/29/86
04	GA	WOOLFOLK CHEMICAL WORKS, INC.	GA0003268578	FF Removal	001	11/8/94	9/30/87
04	GA	WOOLFOLK CHEMICAL WORKS, INC.	GAD003268578	FF Removal	003	63/96	9/30/87
04	GA	YEARWOOD DRUMS	GAD864316487	Fund Removal	001	12/8/92	12/10/82
04	GA	ZENITH CHEMICAL	GAD981930225	FF Removal	001	41/8/86	10/10/86
04	KY	A.L. TAYLOR (VALLEY OF DRUMS)	KYD980500961	Fund Removal	001	91/9/81	11/1/81
04	KY	A.L. TAYLOR (VALLEY OF DRUMS)	KYD980500961	Fund Removal	002	42/1/87	8/31/87
04	KY	A.L. TAYLOR (VALLEY OF DRUMS)	KYD980500961	Fund Removal	003	91/2/86	9/23/88
04	KY	A.L. TAYLOR (VALLEY OF DRUMS)	KYD981930286	Fund Removal	004	10/28/88	7/1/89
04	KY	APPLETON LANE DRUMS	KYD981473218	FF Removal	001	61/5/86	5/1/89
04	KY	B.C. BATTERY SALVAGE	KYD981752266	Fund Removal	001	61/7/86	9/10/86
04	KY	BOWLING GREEN TOXIC FUMES	KYD981752266	Fund Removal	001	3/28/85	3/31/87
04	KY	BRANTLEY LANDFILL	KYD980501019	FF Removal	001	3/5/90	3/20/80
04	KY	BURCH DRUMS	KYD9805073188	Fund Removal	001	3/20/91	11/15/91
04	KY	CALLAWAY DUMP	KYD980506646	FF Removal	001	11/30/88	12/29/88
04	KY	CHENAULT RECTIFIERS	KYD981473705	Fund Removal	001	2/5/87	2/6/87
04	KY	CLYDE ELROD DRUM SITE	KYD9805070564	FF Removal	001	6/7/89	6/7/89
04	KY	CSX/SHEPARDVILLE TRAIN DERAILMENT	KYD9805115120	Fund Removal	001	11/19/91	11/24/91
04	KY	CUSTOM INDUSTRIAL SERVICES	KYD981276957	FF Removal	001	31/2/80	4/17/81
04	KY	CUSTOM INDUSTRIAL SERVICES	KYD981276957	FF Removal	001	1/24/89	4/20/80
04	KY	DEENA PRODUCTS CO., INC	KYD98062155	FF Removal	001	8/24/88	1/26/90
04	KY	DISTLER BRICKYARD	KYD980602155	Fund Removal	001	31/82	4/27/82
04	KY	DISTLER BRICKYARD	KYD980602155	Fund Removal	002	9/30/88	12/31/91
04	KY	DISTLER FARM	KYD980601975	Fund Removal	001	3/26/84	5/27/84
04	KY	DISTLER FARM	KYD980601975	Fund Removal	002	9/30/88	9/30/89
04	KY	DONALDSON ART SIGN COMPANY	KYD004231049	Fund Removal	001	53/1/86	2/22/89
04	KY	FEGGET (CLEOTUS) RESIDENCE	KYD980606521	Fund Removal	001	6/16/92	10/13/92
04	KY	GRAY PCB	KYD980506885	Fund Removal	001	7/6/89	6/19/91
04	KY	GREEN RIVER DISPOSAL, INC.	KYD980501076	FF Removal	001	5/7/90	12/17/90
04	KY	GREENUP TIRE FIRE	KYD9805066117	Fund Removal	001	6/7/88	6/18/88
04	KY	GUMM, JAMES PROPERTY	KYD98046307	FF Removal	001	5/1/88	5/13/88
04	KY	HALL'S SEPTIC SERVICES	KY000141089	Fund Removal	001	6/24/86	1/5/88
04	KY	HARLAN COUNTY DRUM SITE	KYD98071620	Fund Removal	001	4/9/91	11/1/91
04	KY	HARLSON CNTY SITE	KYD009123613	Fund Removal	001	3/4/83	3/1/83
04	KY	HARTLAGE MACHINE CO.	KY0002163236	Fund Removal	001	12/9/97	2/13/98
04	KY	HENDERSON DRUM SITE	KYD9805066428	Fund Removal	001	1/20/89	7/19/89
04	KY	HENDERSON MATERIALS MIDNIGHT DUMPING	KYD981751894	Fund Removal	001	7/19/84	7/28/84
04	KY	HOWE VALLEY LANDFILL	KYD980501191	FF Removal	001	5/7/89	9/20/88
04	KY	INDUSTRIAL PLASTICS OF LOUISVILLE	KYD123360240	FF Removal	001	2/4/88	7/12/88
04	KY	INDUSTRIAL SUPPLY COMPANY DUMP	KYD981752132	Fund Removal	001	6/20/85	6/24/85
04	KY	KEITH FARM PONDS	KYD980796466	Fund Removal	001	4/2/83	6/6/83
04	KY	LAKETOWN ROAD	KYD9805066513	FF Removal	001	3/9/92	4/25/93

04	KY	LANHAM (JAMES) RESIDENCE	KYD98056487	FF Removal	001	3/9/92	12/9/92
04	KY	LEE'S LANE LANDFILL	KYD980557052	Fund Removal	001	3/16/87	10/27/87
04	KY	LEE'S LANE LANDFILL	KYD980557052	Fund Removal	002	9/14/88	9/27/88
04	KY	LESTER (SCOTT) RESIDENCE	KYD980664489	FF Removal	001	3/9/92	12/9/92
04	KY	LORD CORP. WASTE PONDS	KYD981929607	Fund Removal	001	10/16/95	12/20/95
04	KY	MAXEY FLATS NUCLEAR DISPOSAL	KYD980729107	Fund Removal	001	12/19/88	11/22/89
04	KY	MAXEY FLATS NUCLEAR DISPOSAL	KYD980729107	Fund Removal	002	3/30/91	9/24/92
04	KY	MIDDLEBORO REHAB CENTER DRUM SITE	KYD146898218	FF Removal	001	1/31/89	2/2/89
04	KY	MIDDLETON, CARLIE METAL YARD	KYD981020142	Fund Removal	001	7/6/89	9/6/91
04	KY	MOBILE TANK CAR SERVICES INC	KYD0000616375	FF Removal	001	3/13/95	7/10/96
04	KY	MOBILE TANK CAR SERVICES INC	KYD0000616375	FF Removal	002	12/4/95	
04	KY	NATIONAL ELECTRIC COILCOOPER INDUSTRIES	KYD985069954	Fund Removal	001	3/4/89	3/21/89
04	KY	NATIONAL SOUTHWIRE ALUMINUM CO.	KYD049002375	FF Removal	001	10/17/95	9/29/97
04	KY	NATIONAL TURNPIKE DRUM	KYD985113000	FF Removal	001	12/17/82	5/6/93
04	KY	NEWCUT ROAD/C. JEWELL, SR.	KYD985070283	Fund Removal	001	6/11/90	6/7/91
04	KY	NEWPORT DUMP	KYD985066380	Fund Removal	001	6/30/87	10/30/87
04	KY	NEWPORT DUMP	KYD985066380	Fund Removal	002	10/10/88	5/5/89
04	KY	NI-CHRO PLATING INC	KYD985046944	Fund Removal	001	3/19/87	7/9/87
04	KY	O'BRYAN, GEORGE SITE	KYD980602148	Fund Removal	001	9/24/84	12/16/84
04	KY	O'CON ENGINEERING SITE	KYD981029838	Fund Removal	001	2/9/88	7/12/88
04	KY	OHIO RIVER FLOOD	KY0001865779	Fund Removal	002	3/14/97	5/15/97
04	KY	RAY'S SUPERIOR FOOD MARKET	KYD985071612	Fund Removal	001	10/26/89	1/22/90
04	KY	SANDERS, JIM PROPERTY	KYD980639286	FF Removal	001	4/6/92	4/30/93
04	KY	SMITHS FARM	KYD997267413	Fund Removal	001	6/19/84	8/17/84
04	KY	SMITHS FARM	KYD997267413	Fund Removal	002	5/27/88	5/27/88
04	KY	SONORA SITE	KYD981020027	Fund Removal	001	7/6/89	8/6/91
04	KY	SPRINGHILL ROCK QUARRY	KYD981015738	Fund Removal	001	5/2/92	6/20/93
04	KY	STEAMBOAT-KEENE ROAD PROPERTY	KYD985066505	FF Removal	001	3/9/92	12/9/92
04	KY	TARTAR FARM	KYD985066471	FF Removal	001	10/1/88	11/30/88
04	KY	TAYLORSPT SAND AND GRAVEL PIT	KYD981028982	Fund Removal	001	7/20/87	10/9/87
04	KY	TINDALL PROPERTY TRANSFORMER DISPOSAL	KYD981020282	Fund Removal	001	11/30/87	12/21/87
04	KY	TRANSPORT 1 ACID SHILL-I-75 (MADISON)	KY000903195	Fund Removal	001	10/27/84	10/28/84
04	KY	TRI-CITY DISPOSAL CO	KYD981028360	Fund Removal	001	5/12/88	9/30/92
04	KY	US DOE PADUCAH GAS DIFFUSION PLANT	KY889000892	PRP Removal	001	7/23/93	4/8/94
04	KY	US DOE PADUCAH GAS DIFFUSION PLANT	KY889000892	PRP Removal	002	8/30/94	8/25/95
04	KY	US DOE PADUCAH GAS DIFFUSION PLANT	KY889000892	PRP Removal	003	8/22/95	
04	KY	US DOE PADUCAH GAS DIFFUSION PLANT	KY889000892	PRP Removal	004	8/7/96	
04	KY	US DOE PADUCAH GAS DIFFUSION PLANT	KY889000892	PRP Removal	005	12/29/97	6/9/98
04	KY	WACO TIRE FIRE SITE	KYD985113448	Fund Removal	001	12/31/92	1/15/93
04	KY	WEST KENTUCKY BATTERY	KYD053351557	Fund Removal	001	9/24/90	2/22/91
04	KY	WESTERN PLATING FACILITY	KYD021416899	Fund Removal	001	6/25/92	2/28/93
04	KY	WHITLEY COUNTY RAVINE, SITE #1	KYD980840169	Fund Removal	001	4/30/84	5/18/84
04	MS	ALLIGATOR PESTICIDE	MS0001961515	Fund Removal	001	6/26/97	9/30/97

04	MS	AMERICAN CREOSOTE WORKS INC	MSD004006985	Fund Removal	001	10/26/64	2/21/85
04	MS	AMERICAN CREOSOTE WORKS INC	MSD004006985	Fund Removal	002	1/29/99	
04	MS	AMORY CIVIL DEFENSE HOSPITAL	MSD985967058	Fund Removal	001	4/11/89	4/13/89
04	MS	BENTON FURNITURE	MSD981930191	Fund Removal	001	5/15/87	7/15/87
04	MS	BERGERON MARINE	MSD1241353301	Fund Removal	001	6/17/85	7/30/82
04	MS	BIG SPRING DDT SITE	MSD985971035	Fund Removal	001	5/1/92	7/30/82
04	MS	BROOKHAVEN DRUM SITE	MSD985968670	Fund Removal	001	2/12/89	11/8/89
04	MS	CANTON PLATING & BUMPER WORKS INC	MSD000473282	Fund Removal	001	9/27/84	12/19/84
04	MS	CARE RESOURCES BIOMEDICAL WASTE	MS0001411941	Fund Removal	001	7/8/96	7/13/96
04	MS	CENTREVILLE CYLINDER	MSD985973031	Fund Removal	001	7/29/91	7/31/91
04	MS	CHURCH ROAD DRUM SITE	MS0000815571	Fund Removal	001	5/9/95	8/9/95
04	MS	CIRCLE S INC.	MS0001406710	FF Removal	001	10/19/88	2/23/89
04	MS	COWART VACATION BIBLE SCHOOL	MSD985968154	Fund Removal	001	6/13/88	6/17/88
04	MS	CROWN ZELLERBACH CORP	MSD057226961	FF Removal	001	4/9/85	3/30/88
04	MS	DAVIS DRUM BURIAL	MSD985969507	Fund Removal	001	3/8/99	
04	MS	DELTA CHEMICAL & PETROLEUM CO.	MSD985969507	Fund Removal	001	11/12/96	11/20/98
04	MS	DELTA CHEMICAL & PETROLEUM CO.	MSD985976935	Fund Removal	001	4/21/98	7/27/98
04	MS	DIXIE OIL CO.	MS0002340248	Fund Removal	001	8/25/95	8/25/95
04	MS	DSI FACILITY	MS0001118819	Fund Removal	001	7/31/95	7/7/88
04	MS	ENTERPRISE RECOVERY SYSTEM	MSD985968019	Fund Removal	001	7/7/88	5/31/88
04	MS	ESCAMBIA WOOD - BROOKHAVEN	MSD006693176	Fund Removal	001	11/10/82	9/30/83
04	MS	FNHA--JAMES TUCKER SITE	MSD985971639	Fund Removal	001	4/29/91	1/15/95
04	MS	FRIDGEAMERICA INC. M.D.I. FIRE	MSD985967207	Fund Removal	001	9/6/89	7/25/90
04	MS	GARY DRIVE - METHYL BROMIDE SITE	MS0002003887	Fund Removal	001	8/1/93	8/1/93
04	MS	GOOKEN FARM	MSD981930076	Fund Removal	001	8/20/97	8/21/87
04	MS	GREENVILLE PESTICIDE SITE	MS0001409813	Fund Removal	001	6/15/87	10/23/87
04	MS	GREENVILLE MS DRUMS	MS0001697230	Fund Removal	001	5/17/86	2/3/88
04	MS	GULF BATTERY EXCHANGE	MSD064626195	Fund Removal	001	3/20/97	7/7/97
04	MS	HATTIESBURG DRUMS SITE	MSD985967645	Fund Removal	001	1/4/84	2/28/84
04	MS	HOWARD STREET PCB	MSD985967512	Fund Removal	001	7/23/90	7/26/90
04	MS	INDUSTRIAL POLLUTION CONTROLS (IPC)	MSD985972963	Fund Removal	001	5/30/90	5/30/90
04	MS	JACKSON COUNTY PESTICIDE SITE	MS0001611532	Fund Removal	001	4/1/99	
04	MS	JEFFERSON-DAVIS DRUM SITE	MS0001763713	Fund Removal	001	11/9/88	9/2/98
04	MS	JONES COUNTY DRUMS	MSD985967132	Fund Removal	001	5/18/87	10/13/97
04	MS	LAHER PRODUCTION PROPERTY	MSD007033491	Fund Removal	001	6/13/89	11/9/89
04	MS	MID-CONTINENT TRUCK STOP	MSD981928458	Fund Removal	001	7/14/97	10/28/98
04	MS	MIDNIGHT DUMPING	MSD981928458	Fund Removal	001	8/4/83	8/11/83
04	MS	N. I-55 WEIGH STATION MIDNIGHT	MSD981928334	Fund Removal	001	8/18/84	8/24/84
04	MS	N. I-55 WEIGH STATION MIDNIGHT	MSD981928334	Fund Removal	001	8/29/85	10/17/85
04	MS	NATCHEZ PATHOLOGY LAB INC	MSD077909992	Fund Removal	002	1/29/86	2/13/86
04	MS	NEWSOM BROTHERS/COLD REICHHOLD CHEMICALS	MSD980846045	Fund Removal	001	5/12/86	5/16/86
04	MS	NEWSOM BROTHERS/COLD REICHHOLD CHEMICALS	MSD980846045	Fund Removal	001	3/19/84	4/6/84
04	MS	NEWSOM BROTHERS/COLD REICHHOLD CHEMICALS	MSD980846045	Fund Removal	002	11/2/87	2/8/88
04	MS	NEWSOM BROTHERS/COLD REICHHOLD CHEMICALS	MSD980846045	Fund Removal	003	11/9/88	2/17/89

04	MS	OCEAN SPRING ETHER	MSD985967801	Fund Removal	001	6/15/90	7/1/90
04	MS	PIGEON ROOST DRUM SITE	MS000198954	Fund Removal	001	8/6/97	8/6/97
04	MS	PIKE COUNTY DRUM	MSD985972215	Fund Removal	001	10/17/91	3/15/92
04	MS	PLASTIFAX, INC.	MSD094915246	Fund Removal	001	6/3/92	6/15/92
04	MS	PRAIRIE METALS & CHEMICAL CO	MSD980939898	Fund Removal	001	9/20/88	3/1/92
04	MS	PRAIRIE/STARKVILLE ETHER SITES	MSD085967520	Fund Removal	001	5/8/90	5/17/90
04	MS	PRENTISS CREOSOTE & FOREST PRODUCTS	MSD065479313	Fund Removal	001	3/30/87	2/17/89
04	MS	PRENTISS CREOSOTE & FOREST PRODUCTS	MSD065479313	Fund Removal	002	7/24/89	10/28/89
04	MS	SONFORD PRODUCTS	MSD086559388	Fund Removal	001	4/21/86	5/12/86
04	MS	SOUTHEASTERN WOOD PRESERVING	MSD000629558	Fund Removal	001	6/9/86	12/24/89
04	MS	SOUTHEASTERN WOOD PRESERVING	MSD000629558	Fund Removal	002	9/15/89	11/30/89
04	MS	SOUTHEASTERN WOOD PRESERVING	MSD000629558	Fund Removal	003	9/15/90	2/11/91
04	MS	SOUTHEASTERN WOOD PRESERVING	MSD000629558	Fund Removal	004	2/11/91	4/14/91
04	MS	SOUTHEASTERN WOOD PRESERVING	MSD000629558	Fund Removal	005	2/14/95	2/15/95
04	MS	SOUTHERN ELECTROFORMING INC	MSD033365675	Fund Removal	001	8/21/84	8/30/84
04	MS	SOUTHERN LUMBER COMPANY	MSD085589975	Fund Removal	001	7/9/85	1/3/86
04	MS	SOUTHERN MAID PRODUCTS	MSD985975861	Fund Removal	001	3/15/93	3/30/94
04	MS	STOLLER CHEMICALS	MSD985977844	Fund Removal	001	9/10/92	1/10/96
04	MS	TOMLIN'S BUMPER SERVICE	MSD985980382	Fund Removal	001	1/28/93	9/1/93
04	MS	VALLEY CHEMICAL	MSD985974831	Fund Removal	001	2/17/92	8/30/92
04	MS	WOODVILLE ROADSIDE PK CAUSTIC CHEM SPILL	MSD98602276	Fund Removal	001	7/18/83	7/20/83
04	MS	YALOO COUNTY DRUM SITE	MS000143343	Fund Removal	001	12/3/96	2/2/97
04	NC	ABERDEEN PESTICIDE DUMPS	NC0980843346	Fund Removal	001	10/15/64	3/10/85
04	NC	ABERDEEN PESTICIDE DUMPS	NC0980843346	Fund Removal	002	8/10/85	8/2/85
04	NC	ABERDEEN PESTICIDE DUMPS	NC0980843346	Fund Removal	003	8/13/86	2/28/90
04	NC	ALANDALE DR. (4009) CHEMICALS	NC0981929557	Fund Removal	001	1/8/87	3/17/87
04	NC	ATEC INDUSTRIES, INC	NC0033978396	Fund Removal	001	4/14/98	6/24/98
04	NC	AUBURN CHURCH ROAD DRUM	NC0981929615	Fund Removal	001	4/14/87	9/17/87
04	NC	BARNES PROPERTY	NC0982078271	Fund Removal	001	8/10/88	8/11/88
04	NC	BOSTIC DRUM	NC0982119554	FF Removal	001	10/12/67	10/14/87
04	NC	BOSTIC DRUM	NC0982119554	FF Removal	001	8/11/87	10/12/87
04	NC	BRANCH BATTERY	NC0001096601	Fund Removal	001	6/1/95	10/31/95
04	NC	BUCKHORN PESTICIDES	NC0980845119	Fund Removal	001	3/28/85	3/28/85
04	NC	BUCKHORN ROAD	NC0982119588	Fund Removal	001	4/30/87	9/17/87
04	NC	BUSH BROTHERS PLATING INC	NC024762868	Fund Removal	001	12/3/84	8/31/85
04	NC	BUSH BROTHERS PLATING INC	NC024762868	Fund Removal	002	12/3/84	6/11/85
04	NC	BYERLY DRUM	NC0001763366	Fund Removal	001	1/13/97	3/14/87
04	NC	BYPASS 601 GROUND WATER CONTAMINATION	NC0044440303	Fund Removal	001	2/6/92	3/20/92
04	NC	C.H. AUTO SALVAGE CYLINDERS SITE	NC0002008209	Fund Removal	001	9/12/97	11/11/87
04	NC	CALDWELL COUNTY ABANDONED WASTE SITE	NC0980557870	Fund Removal	001	6/20/83	7/15/83
04	NC	CAMPBELL PROPERTY DRUM	NC098166411	Fund Removal	001	1/14/88	12/18/88
04	NC	CAPE FEAR WOOD PRESERVING	NC0003188828	FF Removal	001	9/12/86	9/13/86
04	NC	CAPE FEAR WOOD PRESERVING	NC0003188828	Fund Removal	001	1/29/85	3/19/85

04	NC	CAPE FEAR WOOD PRESERVING	NCD003188828	Fund Removal	002	1/29/87	2/10/87
04	NC	CAPE FEAR WOOD PRESERVING	NCD003188828	Fund Removal	003	1/19/88	2/17/89
04	NC	CAPE HATTERAS NATIONAL SEASHORE	NC189008233	Fund Removal	001	1/19/85	11/23/85
04	NC	CARRINGTON ROAD DRUM SITE	NCD981929813	Fund Removal	001	5/24/86	11/11/88
04	NC	CAROLINA ASSOCIATED MILL	NCSFND00911	Fund Removal	001	3/16/89	
04	NC	CAROLINA CRESOTTING CORP	NCD003184710	Fund Removal	001	11/16/92	8/28/95
04	NC	CAROLINA CRESOTTING CORP	NCD003184710	Fund Removal	002	8/29/95	11/10/95
04	NC	CAROLINA PRODUCTION FINISHING	NCD981015886	Fund Removal	001	9/14/87	1/29/88
04	NC	CAROLINA TRANSFORMER CO.	NCD003188844	FF Removal	001	3/5/84	3/31/84
04	NC	CAROLINA TRANSFORMER CO.	NCD003188844	Fund Removal	001	8/13/84	8/22/84
04	NC	CAROLINA TRANSFORMER CO.	NCD003188844	Fund Removal	002	3/14/90	5/16/90
04	NC	CHADBOURN TIRE FIRE	NCD986166460	Fund Removal	001	11/24/88	11/24/88
04	NC	CHARLES MACON LAGOON & DRUM STORAGE	NCD980849409	Fund Removal	001	11/23/83	1/17/84
04	NC	CHEMICAL CARTAGE COMPANY	NC0900183103	Fund Removal	001	4/13/84	2/9/85
04	NC	CHEMTRONICS, INC.	NCD985459392	Fund Removal	001	2/1/85	2/9/85
04	NC	CHEMTRONICS, INC.	NCD985459392	Fund Removal	001	1/12/94	12/22/95
04	NC	CHEROKEE OIL COMPANY	NCD980799019	Fund Removal	001	7/19/91	5/27/93
04	NC	CHEROKEE OIL SITE	NCD986190239	Fund Removal	001	11/19/91	6/9/97
04	NC	CHERRY POINT MARINE CORPS AIR STATION	NC1170027261	PRP Removal	001	12/21/95	
04	NC	CHERRY POINT MARINE CORPS AIR STATION	NC1170027261	PRP Removal	002	1/5/98	3/4/99
04	NC	CHERRY POINT MARINE CORPS AIR STATION	NC1170027261	PRP Removal	003	8/17/88	12/14/88
04	NC	CLAYTON BALL FIELD	NCD980844732	Fund Removal	001	3/31/86	4/4/86
04	NC	CLEVELAND COUNTY DRUM	NCD981930019	Fund Removal	001	5/28/87	10/27/87
04	NC	CLINE PCB WELL	NCD986185403	Fund Removal	001	1/8/91	1/31/91
04	NC	CORNELL-DUBLIER ELECTRONICS	NCD003219161	Fund Removal	001	7/18/88	7/31/88
04	NC	CRESTLINE CONTAMINATED WELL	NCD986172492	Fund Removal	001	6/6/90	9/7/94
04	NC	CRESTLINE CONTAMINATED WELL	NCD986172492	Fund Removal	002	1/6/95	11/10/95
04	NC	CRISTEX DRUM SITE	NC0901606250	Fund Removal	001	1/9/87	3/28/87
04	NC	CURBITUCK PHOSPHORUS	NCD986168726	Fund Removal	001	1/20/89	1/20/89
04	NC	DAVENPORT CREGOSITE	NCD980638726	Fund Removal	001	8/19/83	8/19/83
04	NC	DOCKERY PROPERTY	NCD980840342	Fund Removal	001	1/9/84	1/17/84
04	NC	DYNTech	NCD981014517	Fund Removal	001	3/5/82	8/19/83
04	NC	DYNTech	NCD981014517	Fund Removal	002	1/4/84	3/30/84
04	NC	E. C. MANUFACTURING	NCD024749433	Fund Removal	001	7/7/85	7/11/85
04	NC	ELIZABETH CITY ABANDONED DRUMS	NCD981929316	Fund Removal	001	4/18/86	6/30/86
04	NC	EVERHART LUMBER CO	NCD003186884	Fund Removal	001	5/23/84	5/23/84
04	NC	FCX, INC. (STATESVILLE PLANT)	NCD095458527	Fund Removal	001	1/12/89	1/12/90
04	NC	FCX, INC. (WASHINGTON PLANT)	NCD095458527	Fund Removal	002	1/11/89	1/12/90
04	NC	FCX, INC. (WASHINGTON PLANT)	NCD981475932	Fund Removal	001	9/30/88	2/10/92
04	NC	FCX, INC. (WASHINGTON PLANT)	NCD981475932	Fund Removal	002	1/21/92	10/1/94
04	NC	FCX, INC. (WASHINGTON PLANT)	NCD981475932	Fund Removal	003	10/1/94	8/16/96
04	NC	FORBUSH METAL FABRICATORS	NCD071579658	Fund Removal	001	10/14/87	4/27/88
04	NC	FURNACE ROAD ABANDONED DRUMS	NCD981929357	Fund Removal	001	4/15/87	9/17/87
04	NC	GA-PACIFIC CORP HDWD SAW	NCD000813552	Fund Removal	001	3/5/99	

04	NC	GAMEWELL DRUM SITE	NCD986204755	Fund Removal	001	6/4/82	3/24/83
04	NC	GASTON COUNTY DRUM	NCD981929300	Fund Removal	001	5/28/87	10/27/87
04	NC	GEIGY CHEMICAL CORP. (ABERDEEN PLANT)	NCD981927502	FF Removal	001	2/23/89	12/14/89
04	NC	GEIGY CHEMICAL CORP. (ABERDEEN PLANT)	NCD981927502	FF Removal	002	2/25/91	6/1/91
04	NC	GIBBS ELECTROPLATING	NCD980848766	FF Removal	001	5/26/87	2/12/88
04	NC	GIBSON MIDNIGHT DUMPING SITE	NCD982119620	Fund Removal	001	10/26/87	2/26/88
04	NC	GILCREST ROAD DRUM/MIDNIGHT DUMPING	NCD981929243	Fund Removal	001	6/26/86	6/26/86
04	NC	GOAT PASTURE ROAD	NCD986171924	Fund Removal	001	11/28/89	11/28/89
04	NC	GRAVE'S PROPERTY	NC0001351212	Fund Removal	001	6/4/86	8/29/86
04	NC	GUILFORD SPILL	NCD980798870	Fund Removal	001	7/14/81	7/14/81
04	NC	GURLEY PESTICIDE BURIAL	NCD986172526	FF Removal	001	4/20/87	7/19/87
04	NC	GURLEY PESTICIDE BURIAL	NCD986172526	FF Removal	001	2/10/88	6/3/88
04	NC	H & S PROCESSORS INC	NCD049772023	Fund Removal	001	5/10/80	7/31/80
04	NC	HARWELL ROAD SEPTIC PIT	NCD986166682	FF Removal	001	7/3/89	3/1/84
04	NC	HARWELL ROAD TCE	NCD986176469	Fund Removal	001	11/2/90	11/2/90
04	NC	HELENA CHEMICAL CO	NCD982363102	FF Removal	001	4/22/83	7/22/83
04	NC	HIGHWAY 28 DRUM DUMP SITE	NCD986188308	Fund Removal	001	4/22/91	5/22/91
04	NC	HOLLINGS WORTH PROPERTY	NCD981928021	Fund Removal	001	3/31/87	7/9/87
04	NC	HUMPBACK MOUNTAIN ROAD DRUM	NCD981929375	Fund Removal	001	10/21/86	4/15/87
04	NC	IDLEWILD DRUM SITE	NC0002456754	Fund Removal	001	8/5/88	10/9/88
04	NC	JACCO-HUGHES FACILITY	NCD980729602	FF Removal	001	8/27/80	3/15/81
04	NC	JIMMY GREEN METALS	NC0000195743	Fund Removal	001	5/21/86	10/26/86
04	NC	JMC PLATING	NCD115969574	Fund Removal	001	2/4/88	8/12/88
04	NC	KANNAPOLIS DRUM SITE	NCSFN0406869	Fund Removal	001	11/17/88	11/17/88
04	NC	KANNAPOLIS PCE SPILL	NCD986228054	Fund Removal	001	9/1/82	4/30/85
04	NC	KAPLAN ETYLYL ETHER DRUMS	NCD986228737	Fund Removal	001	10/1/82	12/15/82
04	NC	KINSTON TORNADO SITE	NCD986216889	Fund Removal	001	8/10/82	12/30/82
04	NC	KOPPERS CO. INC. (MORRISVILLE PLANT)	NCD9803200383	FF Removal	001	4/4/89	7/19/89
04	NC	LAKE WYLIE - BROWNS COVE	NC0001329507	FF Removal	001	10/28/96	12/23/96
04	NC	LANCASTER PLATING SITE	NCD981963814	Fund Removal	001	2/20/87	6/20/87
04	NC	LAUREL SPRINGS	NCD982119638	Fund Removal	001	5/12/87	6/15/87
04	NC	LENOIR CO LD/L KINSTON	NCD983130151	Fund Removal	001	10/13/82	10/22/82
04	NC	MARTIN BATTERY SALVAGE INC	NCD981278755	Fund Removal	001	9/9/86	10/30/86
04	NC	MARTINS CREEK ROAD	NCD986169320	Fund Removal	001	10/4/88	5/31/89
04	NC	MCLEAN BROTHERS FARM	NCD986172500	Fund Removal	001	7/15/91	9/23/91
04	NC	MIDNIGHT DUMPING	NCD981929185	Fund Removal	001	3/29/85	3/29/85
04	NC	MORNINGSIDE DRIVE DRUM	NCD986187110	FF Removal	001	11/30/90	8/14/91
04	NC	MUSIC CLUB PESTICIDE SITE	NCD981030883	FF Removal	001	7/18/88	1/12/89
04	NC	MUSIC CLUB PESTICIDE SITE	NCD981030883	FF Removal	002	6/25/80	11/8/80
04	NC	NATIONAL PIN SERVICE	NCD982174482	Fund Removal	001	1/6/91	4/1/92
04	NC	NC DOT MAINTENANCE YARD PCB	NCD982119612	Fund Removal	001	8/13/86	8/13/86
04	NC	NEW HANOVER CNTY AIRPORT BURN PIT	NCD981021157	FF Removal	001	3/9/90	12/4/90
04	NC	NEW HAVEN DRIVE TCE SITE	NCD986171379	Fund Removal	001	9/20/89	7/27/90

04	NC	NORTH BELMONT PCE SITE	NCD986187128	Fund Removal	001	3/1/91	5/30/92
04	NC	NORTH BELMONT PCE SITE	NCD986187128	Fund Removal	002	4/10/96	4/10/96
04	NC	NORTH BELMONT PCE SITE	NCD986187128	Fund Removal	003	12/22/88	
04	NC	OAKHILL PCB (JOHN CHURCH SITE)	NCD986190858	Fund Removal	004	12/3/98	
04	NC	OLD ATC REFINERY	NCD986186518	Fund Removal	001	9/13/91	11/2/93
04	NC	OLD ATC REFINERY	NCD986186518	Fund Removal	002	7/20/95	9/20/95
04	NC	OLD MT. HOLLY ROAD PCE SITE	NCD986172516	Fund Removal	001	8/28/95	9/19/95
04	NC	OLD MT. HOLLY ROAD PCE SITE	NCD986172516	Fund Removal	002	4/6/90	5/4/90
04	NC	ONE HOUR KORETZING	NCD986172516	Fund Removal	002	4/12/96	1/8/97
04	NC	OREGON INLET BEACH CONTAINERS	NCD986173004	Fund Removal	001	7/2/84	7/30/84
04	NC	PCB CONTAMINATION WELLS	NCD981932832	Fund Removal	001	5/15/67	6/30/87
04	NC	PIERCE (LYNN) PROPERTY	NCD986166171	Fund Removal	001	10/20/87	11/1/87
04	NC	PILOT MOUNTAIN TIRE FIRE	NCD986166379	Fund Removal	001	9/28/86	6/1/89
04	NC	PINEWOOD DUMP SITE	NCD986188043	Fund Removal	001	10/27/88	11/3/88
04	NC	PLYMOUTH WOOD TREATING COMPANY	NCD073570820	Fund Removal	001	4/14/91	12/31/91
04	NC	POP-LAR DRIVE DRUM DUMP	NCD986175610	Fund Removal	001	8/25/84	7/11/84
04	NC	POTTER'S SEPTIC TANK SERVICE PITS	NCD981023280	Fund Removal	001	5/20/91	5/21/91
04	NC	QUEENS PROPERTY	NCD075045027	Fund Removal	001	3/15/84	4/5/84
04	NC	RAINBOW DRIVE BATTERY SITE	NCD981031578	Fund Removal	001	2/10/87	2/10/87
04	NC	RAM LEATHER CARE SITE	NCD982096653	Fund Removal	001	5/20/96	8/29/96
04	NC	RED CAP DOG FOOD	NCD986167104	Fund Removal	001	5/4/96	5/4/97
04	NC	RHODERA DRIVE WELLS	NCD986176030	Fund Removal	001	3/30/89	9/13/89
04	NC	RILEY BATTERY SITE	NCD986232700	Fund Removal	001	8/29/90	7/2/91
04	NC	RIVERDALE HOMES	NCD986232700	Fund Removal	001	6/3/94	12/30/96
04	NC	ROSS ROAD TIRE FIRE	NCD986191897	Fund Removal	001	10/15/84	3/10/85
04	NC	ROWE'S CORNER DRUM DUMP	NCD981924854	Fund Removal	001	9/27/91	11/1/91
04	NC	RT. 211 ABERDEEN PESTICIDES	NCD981930167	Fund Removal	001	9/17/86	1/14/87
04	NC	SALVAGE OIL OF AMERICA	NCD980602791	Fund Removal	001	6/3/86	6/6/86
04	NC	SANFISON COUNTY TRASH DUMPSTER	NCD981929797	Fund Removal	001	2/19/85	3/2/85
04	NC	SAIFORD PLATING CO.	NCD000281832	Fund Removal	001	7/24/86	7/25/86
04	NC	SAYLES-BILTMORE BLEACHERIES	NCD662552153	Fund Removal	001	8/11/86	10/10/86
04	NC	SCOTT'S CREEK BATTERY SITE	NCD98048840	Fund Removal	001	5/2/94	1/13/95
04	NC	SED INC	NCD980600449	FF Removal	001	1/21/85	1/25/85
04	NC	SHACKLEFORD BANKS DRUMS	NCD000102228	Fund Removal	001	1/6/86	6/8/86
04	NC	SHERWOOD TREATING CO INC	NCD000102228	Fund Removal	001	7/2/92	7/2/92
04	NC	SOUTHERN DESK DRUMS	NCD003231546	Fund Removal	001	10/7/94	9/19/95
04	NC	STALLINGS SALVAGE	NCD986166353	FF Removal	001	4/18/89	9/22/89
04	NC	STONEY FORK CREEK DRUM DUMP SITE	NCSF0406894	Fund Removal	001	12/29/88	
04	NC	SUMMIT RESOURCE MANAGEMENT	NCD986211274	Fund Removal	001	5/9/92	9/16/92
04	NC	SUPERIOR ELECTRO FINISHES	NCD986232213	Fund Removal	001	9/8/93	5/3/94
04	NC	SUPREME FINISHING	NCD000063961	FF Removal	001	7/26/86	12/30/86
04	NC	SUPREME FINISHING	NCD986188878	FF Removal	001	8/18/82	6/10/83
04	NC	SURRY COUNTY TIRE FIRE	NCD986171254	Fund Removal	001	8/14/89	2/15/90

04	NC	TOM SADLER ROAD WELLS	NCDB86231967	Fund Removal	001	7/2/93	7/1/94
04	NC	TOM SADLER ROAD WELLS	NCDB86231967	Fund Removal	002	10/22/96	10/25/96
04	NC	TRIPLE PLATING	NCDB82115370	Fund Removal	001	10/28/97	2/13/98
04	NC	TRYON STREET UNHAUL SITE	NC0001296667	Fund Removal	001	10/20/95	12/8/95
04	NC	ULAH BATTERY LEAD RECLAIMING	NCDB81864614	Fund Removal	001	9/15/93	5/3/94
04	NC	UNION COUNTY DRUM	NCDB818303217	Fund Removal	001	5/29/87	10/27/87
04	NC	UNITED HOUSE OF PRAYER DRUM SITE	NCDB81472624	Fund Removal	001	11/4/88	12/22/88
04	NC	US 70 DRUM DUMP	NCDB81472624	FF Removal	001	3/9/87	4/15/87
04	NC	USMC CAMP LEJUNE	NC6170022580	PRP Removal	001	11/22/93	2/28/95
04	NC	USMC CAMP LEJUNE	NC6170022580	PRP Removal	002	5/1/94	1/30/95
04	NC	USMC CAMP LEJUNE	NC6170022580	PRP Removal	003	5/19/95	7/15/95
04	NC	USMC CAMP LEJUNE	NC6170022580	PRP Removal	004	11/19/95	9/30/96
04	NC	USMC CAMP LEJUNE	NC6170022580	PRP Removal	005	12/15/95	9/30/96
04	NC	USMC CAMP LEJUNE	NC6170022580	PRP Removal	006	3/22/96	
04	NC	USMC CAMP LEJUNE	NC6170022580	PRP Removal	007	9/4/97	9/29/97
04	NC	VANCE COUNTY DRUM FIRE	NC0001122142	Fund Removal	001	8/2/95	12/15/95
04	NC	VASS TRUCK WRECK	NCDB881929381	Fund Removal	001	3/14/86	5/20/86
04	NC	WEST CAROLINA SMELTING	NCDB881929379	Fund Removal	001	10/9/84	12/5/84
04	NC	WHALEHEAD BEACH	NCDB8003001	Fund Removal	001	12/7/97	4/11/98
04	NC	WINONA STREET DRUM SITE	NCSFN0406879	Fund Removal	001	10/2/98	
04	NC	WOODY WILSON BATTERY	NC0001279710	Fund Removal	001	1/6/98	3/11/98
04	NC	WOODY'S TIRE FIRE	NCDB86166288	Fund Removal	001	9/12/88	9/14/88
04	NC	ZOE LABS	NCDB86231520	Fund Removal	001	7/20/93	9/10/93
04	SC	ALLEN, EARL CHEMICAL SITE	SCD881024102	Fund Removal	001	3/24/86	5/15/86
04	SC	ANDERSON RESIDENCE LEAD SITE	SC0001004050	Fund Removal	001	2/26/95	3/15/95
04	SC	AQUA-TECH ENVIRONMENTAL INC (GROCE LABS)	SCD0658754789	Fund Removal	001	1/20/92	1/19/94
04	SC	B. MILLER SITE	SCD987571114	Fund Removal	001	7/31/89	8/26/89
04	SC	BABB DRUMS	SCD981929672	FF Removal	001	5/6/88	5/14/88
04	SC	BABB DRUMS	SCD981929672	Fund Removal	001	4/7/87	5/11/87
04	SC	BARNWELL COUNTY LANDFILL	SCD981930696	FF Removal	001	7/30/91	9/30/91
04	SC	BOBBY MILLER JUNKYARD	SC0001097963	Fund Removal	001	7/19/95	4/30/96
04	SC	BREWER GOLD MINE DAM FAILURE	SCD987577913	FF Removal	001	11/1/90	9/30/91
04	SC	BUFF (C D) SITE	SCD980842629	Fund Removal	001	3/20/85	3/21/85
04	SC	BURKETTE PROPERTIES	SCD981024084	Fund Removal	001	5/12/86	7/2/86
04	SC	CALHOUN PARK AREA	SCD987591337	FF Removal	001	8/10/98	
04	SC	CAROLAWN, INC.	SCD980556316	FF Removal	001	9/11/85	2/24/85
04	SC	CAROLAWN, INC.	SCD980556316	Fund Removal	001	12/1/81	2/1/82
04	SC	CAROLAWN, INC.	SCD980556316	Fund Removal	002	8/21/85	2/24/86
04	SC	CAROLAWN, INC.	SCD980556316	Fund Removal	003	5/13/86	6/4/86
04	SC	CAROLINA CHEMICALS INC	SCD003339991	Fund Removal	001	10/16/89	9/9/91
04	SC	CAROLINA STEEL DRUM CORP	SCD980556926	Fund Removal	001	2/25/98	6/5/98
04	SC	CAROLINA STEEL DRUM CORP	SCD980556926	Fund Removal	002	8/3/96	3/24/99
04	SC	CLEARWATER FINISHING SITE	SCD0033303120	Fund Removal	001	8/3/94	8/4/95

04	SC	COLUMBIA ORGANICS CHEMICAL COMPANY	SCD981751749	FF Removal	001	42/8/89	2/8/90
04	SC	CRAB BANK DRUMS	SCD7690390003	Fund Removal	001	9/29/90	9/29/90
04	SC	CSX MCCORMICK TRAIN WRECK	SCD987577921	FF Removal	001	11/2/90	10/9/95
04	SC	DAVIS & RODGERS PLATING COMPANY	SCD097634489	Fund Removal	001	5/13/91	11/14/91
04	SC	DIVEX	SCD980710644	Fund Removal	001	10/22/93	8/30/94
04	SC	DONALDSON ROADSIDE SPILL	SCD981932718	Fund Removal	001	9/10/87	10/9/87
04	SC	DREYFUS STREET SITE	SCD980839575	Fund Removal	001	9/22/81	10/30/81
04	SC	DUNCAN DRUM BURIAL SITE	SC0001098292	FF Removal	001	6/17/96	8/7/97
04	SC	EARL BREWER PROPERTY	SCD981757206	Fund Removal	001	5/19/97	7/24/97
04	SC	FED SERV. INC.	SCD981024183	FF Removal	001	3/6/95	7/30/95
04	SC	GAYLE MILL PCB	SCD987582822	Fund Removal	001	6/20/91	4/24/92
04	SC	GEIGER (C & M OIL)	SCD980711279	Fund Removal	001	10/14/87	5/16/88
04	SC	GLENN'S TRAPP DYNAMITE	SC0001442268	Fund Removal	001	7/17/86	7/18/86
04	SC	GROCE FARM SITE	SCD987568371	Fund Removal	001	4/3/92	7/19/92
04	SC	GROCE FARM SITE	SCD987589371	Fund Removal	002	9/7/95	9/29/95
04	SC	HINSON CHEMICAL	SCD987568726	Fund Removal	001	12/12/88	9/28/95
04	SC	HORRY COUNTY FIREWORKS DISPOSAL	SCD981028093	Fund Removal	001	1/7/85	2/18/85
04	SC	INDEPENDENT NAIL CO.	SCD904773944	Fund Removal	001	3/28/88	5/28/88
04	SC	INMAN WAREHOUSE	SCD982119596	Fund Removal	001	1/21/88	8/18/88
04	SC	JIMMY'S TRUCK STOP	SCD980843692	Fund Removal	001	3/25/85	5/1/85
04	SC	KELLWOOD TIMBER PROD./CAROLINA WOOD PRES	SCD987576652	Fund Removal	001	3/22/89	8/17/89
04	SC	KELLWOOD TIMBER PROD./CAROLINA WOOD PRES	SCD981570652	Fund Removal	002	3/9/90	11/23/90
04	SC	KERSHAW CNTY LDIF	SCD980512981	Fund Removal	001	9/6/86	10/8/86
04	SC	KM RICHARDSON ESTATE	SCD987568676	Fund Removal	001	11/6/97	2/20/98
04	SC	LANDO DRUMS SITE	SCD981929219	Fund Removal	001	7/13/86	12/5/86
04	SC	MACALLOY SITE	SCD003369476	FF Removal	001	7/8/98	
04	SC	MEDLEY FARM DRUM DUMP	SCD980658142	Fund Removal	001	6/20/83	7/21/83
04	SC	METALEX INC.	SCD057551194	Fund Removal	001	10/14/97	10/18/97
04	SC	NATIONAL GALVANIZING INC	SCD062640263	Fund Removal	001	9/28/85	11/26/85
04	SC	NAVAL SHIPYARD - CHARLESTON	SC0170022560	PRP Removal	001	9/10/96	
04	SC	NAVAL SHIPYARD - CHARLESTON	SC0170022560	PRP Removal	001	3/15/96	
04	SC	NAVAL SHIPYARD - CHARLESTON	SC0170022560	PRP Removal	002	7/7/98	
04	SC	NAVAL SHIPYARD - CHARLESTON	SC0170022560	PRP Removal	003	10/31/98	
04	SC	NAVAL SHIPYARD - CHARLESTON	SC0170022560	PRP Removal	004	3/23/88	
04	SC	NAVAL SHIPYARD - CHARLESTON	SC0170022560	PRP Removal	005	9/15/96	
04	SC	NAVAL SHIPYARD - CHARLESTON	SC0170022560	PRP Removal	006	10/30/98	
04	SC	NAVAL SHIPYARD - CHARLESTON	SC0170022560	PRP Removal	007	7/20/98	
04	SC	NAVAL SHIPYARD - CHARLESTON	SC0170022560	PRP Removal	008	6/15/98	
04	SC	NICHOLS AIRSTRIP	SCD980843759	Fund Removal	009	4/5/88	5/27/88
04	SC	PALMETTO WOOD PRESERVING	SCD003362217	Fund Removal	001	7/30/85	8/23/85
04	SC	PALMETTO WOOD PRESERVING	SCD003362217	Fund Removal	001	5/17/88	1/23/90
04	SC	PARRIS ISLAND MARINE CORPS RECRUIT DEPOT	SC6170022782	PRP Removal	002	3/4/85	
04	SC	POINSETT HWY SITE	SC0002328900	Fund Removal	001	3/27/98	6/21/98

04	SC	REIMER DRUM SITE	SCD981024037	FF Removal	001	3/13/85	6/10/86
04	SC	REYNOLDS ROAD CONTAMINATION AREA	SCD981566890	FF Removal	001	5/3/89	10/15/89
04	SC	ROCHESTER PROPERTY	SCD98040989	FF Removal	001	1/8/90	2/15/90
04	SC	ROCK HILL CHEMICAL CO.	SCD98044005	Fund Removal	001	10/1/86	5/3/90
04	SC	ROCK ROAD DRUMS SPILL	SCD982120347	Fund Removal	001	2/19/88	8/8/88
04	SC	SANGAMO WESTON/TWELVE-MILE/HARTWELL PCB	SCD003354412	FF Removal	001	7/17/89	10/23/89
04	SC	SHURON INC	SCD00337599	FF Removal	001	4/12/84	1/13/85
04	SC	SOUTHERN AGRICULTURAL CHEMICAL PLANT	SCD003352515	Fund Removal	001	5/12/82	8/16/83
04	SC	SOUTHERN ASBESTOS	SCD01688601	Fund Removal	001	10/8/97	2/26/99
04	SC	SOUTHERN SLAG AGGREGATE OF SC	SCD987581253	FF Removal	001	3/28/94	6/30/95
04	SC	STOLLER CHEMICAL CO. - CHARLESTON	SCD987591815	FF Removal	001	7/11/84	12/1/85
04	SC	SUNNYSIDE DUMP	SCD987595960	Fund Removal	001	4/11/84	6/1/84
04	SC	SWEET GUM VALLEY ROAD SITE	SC001577048	Fund Removal	001	10/6/86	
04	SC	TEXACO FACILITY	SC690390002	Fund Removal	001	8/27/81	8/27/81
04	SC	US DOE SAVANNAH RIVER SITE	SC1890008989	PRP Removal	001	6/1/91	9/1/91
04	SC	US DOE SAVANNAH RIVER SITE	SC1890008989	PRP Removal	002	4/5/96	8/30/96
04	SC	US DOE SAVANNAH RIVER SITE	SC1890008989	PRP Removal	003	4/5/96	8/21/89
04	SC	US DOE SAVANNAH RIVER SITE	SC1890008989	PRP Removal	004	4/4/96	4/15/97
04	SC	US DOE SAVANNAH RIVER SITE	SC1890008989	PRP Removal	007	5/13/97	9/3/97
04	SC	US DOE SAVANNAH RIVER SITE	SC1890008989	PRP Removal	008	5/13/97	9/3/97
04	SC	US DOE SAVANNAH RIVER SITE	SC1890008989	PRP Removal	009	5/13/97	9/3/97
04	SC	US DOE SAVANNAH RIVER SITE	SC1890008989	PRP Removal	010	5/13/97	9/3/97
04	SC	US DOE SAVANNAH RIVER SITE	SC1890008989	PRP Removal	011	9/1/97	10/20/98
04	SC	US DOE SAVANNAH RIVER SITE	SC1890008989	PRP Removal	012	7/20/98	
04	SC	US DOE SAVANNAH RIVER SITE	SC1890008989	PRP Removal	014	8/29/97	1/30/97
04	SC	US DOE SAVANNAH RIVER SITE	SC1890008989	PRP Removal	016	11/10/96	6/2/97
04	SC	US DOE SAVANNAH RIVER SITE	SC1890008989	PRP Removal	017	1/8/97	
04	SC	US DOE SAVANNAH RIVER SITE	SC1890008989	PRP Removal	018	11/19/87	
04	SC	US HIGHWAY 17A SOUTH DRUM	SCD987566999	Fund Removal	001	11/5/88	5/25/89
04	SC	US STEEL AGRICHEM/OLD BLUE CHEMICAL	SCD987591948	Fund Removal	001	6/13/94	7/22/94
04	SC	US STEEL AGRICHEM/OLD BLUE CHEMICAL	SCD987591948	Fund Removal	002	11/4/96	2/21/97
04	SC	USAF MYRTLE BEACH AFB	SC7570024821	PRP Removal	001	10/10/84	11/16/84
04	SC	USAF MYRTLE BEACH AFB	SC7570024821	PRP Removal	002	3/14/85	
04	SC	USAF MYRTLE BEACH AFB	SC7570024821	PRP Removal	003	6/1/86	
04	SC	USAF MYRTLE BEACH AFB	SC7570024821	PRP Removal	004	12/4/97	
04	SC	USAF MYRTLE BEACH AFB	SC7570024821	PRP Removal	005	2/11/88	
04	SC	USAF MYRTLE BEACH AFB	SC7570024821	PRP Removal	007	7/8/86	
04	SC	USAF MYRTLE BEACH AFB	SC7570024821	PRP Removal	008	7/8/86	
04	SC	USAF MYRTLE BEACH AFB	SC7570024821	PRP Removal	009	7/8/86	
04	SC	USAF MYRTLE BEACH AFB	SC7570024821	PRP Removal	010	4/11/86	8/20/87
04	SC	WARE SHOALS DYEING AND PRINTING	SCD003512829	Fund Removal	001	9/9/95	12/21/95
04	SC	WESTSIDE FARMS	SCD981028390	Fund Removal	001	4/7/89	
04	SC	WESTGATE MOBILE HOME	SC0000487678	Fund Removal	001	8/11/84	12/1/84

04	SC	WISE FARM	SCD154204986	001	Fund Removal	9/12/88	2/1/81
04	SC	WOODBURN ANALYTICAL LAB/FIELDING CHEM	SCDD373731721	001	Fund Removal	2/22/89	5/3/90
04	SC	WOODWARD PROPERTY PAINT DRUMS	SCD982119604	001	Fund Removal	4/7/87	4/9/87
04	TN	614 MAIN STREET DRUM	TND987790282	001	Fund Removal	4/27/93	10/15/93
04	TN	ALLIED BRAND CHEMICAL	TN000354944	001	Fund Removal	6/6/84	6/13/95
04	TN	AMERICAN CREOSOTE WORKS, (JACKSON PLANT)	TND07018799	001	Fund Removal	6/3/83	8/12/83
04	TN	AMERICAN CREOSOTE WORKS, (JACKSON PLANT)	TND07018799	002	Fund Removal	4/2/86	5/6/86
04	TN	AMERICAN CREOSOTE WORKS, (JACKSON PLANT)	TND07018799	003	Fund Removal	10/10/88	7/3/89
04	TN	ARLINGTON BLENDING & PACKAGING	TND07018799	004	Fund Removal	6/4/81	8/10/81
04	TN	ARLINGTON BLENDING & PACKAGING	TND980468557	001	Fund Removal	10/3/83	11/4/83
04	TN	B&H TRANSFORMER	TND980468557	002	Fund Removal	7/5/80	7/7/80
04	TN	BEAR HOLLOW ROAD SITE	TND042111419	001	Fund Removal	10/8/96	1/22/98
04	TN	BRADLEY CO. MERCURY SPILL/ D.L. GEREN S)	TND981665017	001	Fund Removal	8/1/98	11/12/98
04	TN	CHEMET CO.	TND987768546	001	Fund Removal	11/2/91	2/18/92
04	TN	CHILHOWEE LAKE PCB DRUMS	TND987768546	001	Fund Removal	8/29/94	3/24/95
04	TN	COSCIA DRIVE PESTICIDES SITE	TND987768546	001	Fund Removal	9/16/89	12/20/89
04	TN	CRETOX CHEMICAL PRODUCTS CO.	TND987768546	001	Fund Removal	4/27/89	11/9/89
04	TN	CSX/LEWISBURG DERAILMENT	TND04728221	001	Fund Removal	7/24/95	3/12/97
04	TN	CUNNINGHAM TRANSFORMERS	TND98775566	001	FF Removal	10/15/90	10/15/91
04	TN	DEWEY TURNER FARM	TN0001905648	001	Fund Removal	7/14/87	7/28/87
04	TN	EAST TENNESSEE CHAIR COMPANY	TND987798870	001	Fund Removal	8/17/83	12/16/83
04	TN	FIBERFINE OF MEMPHIS	TND981931421	001	Fund Removal	9/16/81	4/8/82
04	TN	GALLAWAY PITS	TND007017056	001	FF Removal	5/13/96	
04	TN	GALLAWAY PITS	TND980728992	001	Fund Removal	7/29/83	9/30/83
04	TN	GALLAWAY PITS	TND980728992	001	Fund Removal	10/3/83	10/25/83
04	TN	HAMILL ROAD DUMP NO.3	TND980728992	002	Fund Removal	6/25/87	10/10/87
04	TN	HOLDER PROPERTY SPILL	TND98044419	001	Fund Removal	8/8/85	8/16/85
04	TN	HORN LAKE ROAD RAILS SITE	TNSFNG408892	001	Fund Removal	11/18/88	11/0/89
04	TN	J & L DRUM CO/EPIC # 38	TND987767571	001	Fund Removal	2/14/89	10/6/89
04	TN	JACK GOINS WASTE OIL	TND980313910	001	Fund Removal	10/22/82	10/26/82
04	TN	JACQUES MILLER DRUM	TN0002196281	001	Fund Removal	1/6/87	4/24/87
04	TN	JELICO MEDICAL WASTE	TND981929755	001	Fund Removal	12/6/87	1/6/88
04	TN	KELLER FOUNDRY AKA MIKE'S FOUNDRY	TN0003380037	001	Fund Removal	10/15/97	8/19/98
04	TN	KIRKLAND PROPERTY MERCURY SPILL	TNSFNG408810	001	Fund Removal	2/20/88	
04	TN	LAFOLETTE TIRE	TN0001003771	001	Fund Removal	1/8/85	1/31/85
04	TN	LUNDY LAKE DRUM	TN0000990794	001	Fund Removal	6/13/95	9/21/95
04	TN	MADISONVILLE HAZMAT SPILL SITE	TNSFNG406905	001	Fund Removal	2/9/89	2/10/89
04	TN	MAJOR'S PROPERTY MERCURY SPILL	TN0001577261	001	Fund Removal	10/11/96	11/22/96
04	TN	MELHORN SILVER RECOVERY	TND987769494	001	Fund Removal	6/11/82	9/10/82
04	TN	MEMPHIS CONTAINER CO	TND007025600	001	Fund Removal	6/10/83	3/15/85
04	TN	MEMPHIS/SHELBY CTY METHYL PARATHION SITE	TN0001900232	001	Fund Removal	6/2/87	
04	TN	MILAN ARMY AMMUNITION PLANT	TN0210020582	001	PRP Removal	3/2/84	4/28/84

04	TN	MILAN ARMY AMMUNITION PLANT	TN0210020582	PRP Removal	002	9/8/94	2/13/98
04	TN	MILLER SITE	TN0981929276	Fund Removal	001	11/30/84	5/27/86
04	TN	MORNINGSIDE CHEMICAL CO	TN0987766482	Fund Removal	001	6/16/93	3/5/94
04	TN	MR. T. COZART'S TCE WELL	TN098775301	Fund Removal	001	9/2/81	4/19/85
04	TN	OLIN CHEMICALS/GRP CHAS PLT	TN000333292	FF Removal	001	3/20/89	4/15/89
04	TN	P & W ELECTRIC	TN0002369106	Fund Removal	001	6/15/98	8/13/98
04	TN	PARIS DRUG LAB SITE	TN0002323390	Fund Removal	001	3/4/98	3/5/98
04	TN	PULVAIR CORP	TN0042173104	Fund Removal	001	7/1/91	5/15/92
04	TN	RAINES ROAD DRUM SITE	TN0987768116	Fund Removal	001	10/24/89	3/2/90
04	TN	ROSS METALS INC	TN098070396	Fund Removal	001	9/13/94	8/16/95
04	TN	ROSS METALS INC	TN098070396	Fund Removal	002	5/20/98	9/2/98
04	TN	SAAD JOHN P & SON INC	TN066833543	FF Removal	001	3/15/90	10/10/94
04	TN	SAAD JOHN P & SON INC	TN066833543	FF Removal	002	10/10/94	4/1/96
04	TN	SCRATCH ANKLE HOLLOW TIRE FIRE	TN0987787611	Fund Removal	001	10/14/92	9/30/92
04	TN	SEATON IRON & METAL CO INC	TN0034547141	FF Removal	001	10/9/90	3/20/91
04	TN	SIXTY ONE INDUSTRIAL PARK	TN0987790300	FF Removal	001	4/19/95	8/9/96
04	TN	SIXTY ONE INDUSTRIAL PARK	TN0987790300	FF Removal	002	8/6/96	1/14/97
04	TN	STRAWBERRY PLAINS DRUM DUMP	TN0987788569	Fund Removal	001	10/27/92	2/28/93
04	TN	TENNESSEE GAS PIPELINE CO	TN0000819177	FF Removal	001	6/1/86	6/12/88
04	TN	TENNESSEE GAS PIPELINE CO	TN0000819177	FF Removal	002	8/20/98	
04	TN	TENNESSEE GAS PIPELINE CO	TN0000819177	FF Removal	003	9/8/98	9/11/98
04	TN	TENNESSEE GAS PIPELINE CO	TN0000819177	FF Removal	004	9/28/98	10/30/98
04	TN	TENNESSEE GAS PIPELINE CO	TN0000819177	FF Removal	005	11/2/98	11/1/98
04	TN	TENNESSEE PRODUCTS	TN0071516959	FF Removal	001	9/8/93	10/10/93
04	TN	TN RIVER DRUM RESPONSE	TN0300198044	Fund Removal	001	4/8/94	4/8/94
04	TN	TULLY ROAD RAIL CAR SPILL	TN0001410935	Fund Removal	001	6/15/96	8/12/96
04	TN	US DOE OAK RIDGE RESERVATION	TN1890090003	PRP Removal	001	8/6/96	
04	TN	US DOE OAK RIDGE RESERVATION	TN1890090003	PRP Removal	002	9/12/96	10/5/98
04	TN	US DOE OAK RIDGE RESERVATION	TN1890090003	PRP Removal	003	8/13/97	9/21/98
04	TN	US DOE OAK RIDGE RESERVATION	TN1890090003	PRP Removal	004	10/17/97	
04	TN	US DOE OAK RIDGE RESERVATION	TN1890090003	PRP Removal	005	3/30/94	1/11/95
04	TN	US DOE OAK RIDGE RESERVATION	TN1890090003	PRP Removal	006	7/29/94	1/11/95
04	TN	US DOE OAK RIDGE RESERVATION	TN1890090003	PRP Removal	007	11/10/94	8/2/95
04	TN	US DOE OAK RIDGE RESERVATION	TN1890090003	PRP Removal	008	2/18/95	8/1/95
04	TN	US DOE OAK RIDGE RESERVATION	TN1890090003	PRP Removal	009	5/12/95	8/11/97
04	TN	US DOE OAK RIDGE RESERVATION	TN1890090003	PRP Removal	010	7/28/95	12/2/96
04	TN	US DOE OAK RIDGE RESERVATION	TN1890090003	PRP Removal	011	2/12/96	1/16/97
04	TN	US DOE OAK RIDGE RESERVATION	TN1890090003	PRP Removal	012	11/18/96	9/10/97
04	TN	US DOE OAK RIDGE RESERVATION	TN1890090003	PRP Removal	013	3/4/97	12/5/97
04	TN	US DOE OAK RIDGE RESERVATION	TN1890090003	PRP Removal	016	9/3/97	10/6/98
04	TN	US DOE OAK RIDGE RESERVATION	TN1890090003	PRP Removal	017	9/28/97	
04	TN	US DOE OAK RIDGE RESERVATION	TN1890090003	PRP Removal	020	12/22/97	
04	TN	US DOE OAK RIDGE RESERVATION	TN1890090003	PRP Removal	022	6/25/98	

04	TN	US DOE OAK RIDGE RESERVATION	TN1800900003	PRP Removal	026	7/29/97	9/28/98
04	TN	US DOE OAK RIDGE RESERVATION	TN1800900003	PRP Removal	027	6/19/98	
04	TN	USA DEFENSE DEPOT MEMPHIS	TN4210020570	PRP Removal	001	7/15/98	3/16/99
04	TN	USA DEFENSE DEPOT MEMPHIS	TN4210020570	PRP Removal	002	10/15/98	
04	TN	USN NAVAL AIR STA MEMPHIS	TN2170022600	PRP Removal	002	4/15/98	4/20/98
04	TN	USN NAVAL AIR STA MEMPHIS	TN2170022600	PRP Removal	003	2/24/98	2/25/98
04	TN	USN NAVAL AIR STA MEMPHIS	TN2170022600	PRP Removal	004	2/15/98	4/15/98
04	TN	USN NAVAL AIR STA MEMPHIS	TN2170022600	PRP Removal	005	11/5/97	11/21/97
04	TN	USN NAVAL AIR STA MEMPHIS	TN2170022600	PRP Removal	006	11/5/97	11/5/97
04	TN	USN NAVAL AIR STA MEMPHIS	TN2170022600	PRP Removal	007	1/15/98	2/15/98
04	TN	USN NAVAL AIR STA MEMPHIS	TN2170022600	PRP Removal	008	8/20/98	9/15/98
04	TN	W & R DRUMS SITE	TND1018110699	Fund Removal	001	6/16/94	4/1/95
04	TN	WATTS FARM	TND98777968	Fund Removal	001	9/23/91	4/24/92
04	TN	WOODBURY EXPLOSIVE RESPONSE SITE	TN002008167	Fund Removal	001	9/11/97	
04	TN	WRIGLEY CHARCOAL PLANT	TND980844781	Fund Removal	001	8/24/98	2/15/99
04	TN	WRIGLEY CHARCOAL PLANT	TND980844781	Fund Removal	002	3/19/91	7/15/91
04	TN	YOUNT FARM DRUM	TND98778809	Fund Removal	001	11/18/92	2/28/93
05	IL	109TH PLACE TEAR GAS	IL0000027714	Fund Removal	001	9/30/93	1/12/94
05	IL	4310 SOUTH INDIANA AVENUE	IL0002009397	Fund Removal	001	10/18/97	12/31/97
05	IL	A & C PLATING	ILD98485237	Fund Removal	001	12/4/95	5/9/96
05	IL	A & F MATERIAL RECLAIMING, INC	ILD980397079	FF Removal	001	8/1/84	7/7/85
05	IL	A & F MATERIAL RECLAIMING, INC	ILD980397079	Fund Removal	001	12/11/80	12/12/80
05	IL	A & F MATERIAL RECLAIMING, INC	ILD980397079	Fund Removal	002	3/4/93	7/16/93
05	IL	A & F MATERIAL RECLAIMING, INC	ILD980397079	Fund Removal	003	4/22/94	4/24/94
05	IL	A CHEMICAL COMPANY	ILD981952534	Fund Removal	001	1/27/86	2/1/86
05	IL	A CHEMICAL COMPANY	ILD981952534	Fund Removal	002	6/12/86	2/27/87
05	IL	AA WASTE OIL SERVICE INCORPORATION	ILD000810291	Fund Removal	001	1/14/94	6/21/94
05	IL	ABANDONED DRUM	ILD980824886	Fund Removal	001	7/3/83	7/3/83
05	IL	ADDISON STREET TRAILER	ILSPH0507195	Fund Removal	001	11/20/98	12/4/98
05	IL	AG-PRO	ILD98479322	Fund Removal	001	6/6/91	1/14/92
05	IL	ALBURN INCORPORATION	ILD000718952	Fund Removal	001	7/15/93	2/17/94
05	IL	ALDENS INCORPORATED CHIPS	ILD980905277	Fund Removal	001	11/28/93	2/6/94
05	IL	AMERICAN PLATING SITE	IL0001172642	Fund Removal	001	10/16/95	1/10/96
05	IL	AMERICAN POLICH	ILD984607669	Fund Removal	001	1/1/90	4/5/91
05	IL	AUTO DEPOSITIONS INCORPORATED	ILD005150578	Fund Removal	001	6/29/95	1/17/96
05	IL	AUTOCRAT CORPORATION	ILD981953615	Fund Removal	001	3/25/97	12/22/97
05	IL	AUTOMATIC INDUSTRIAL PLATING	ILD989200208	Fund Removal	001	12/25/91	7/9/92
05	IL	BELVIDERE MUNICIPAL LANDFILL	ILD980487663	Fund Removal	001	9/11/86	12/9/86
05	IL	BISBEE LINSSEED COMPANY	IL0001329713	Fund Removal	001	2/13/96	4/23/96
05	IL	BORDNER MANUFACTURING COMPANY	ILD984907451	Fund Removal	001	2/10/93	1/13/94
05	IL	BURGESS INCORPORATION	IL0074662315	FF Removal	002	9/28/98	1/15/99
05	IL	BYRON SALVAGE YARD	ILD010236230	Fund Removal	001	6/19/84	5/15/85
05	IL	BYRON SALVAGE YARD	ILD010236230	Fund Removal	002	10/1/86	10/27/86

05	IL	BYRON SALVAGE YARD	ILD0010236230	003	12/15/88	10/2/88
05	IL	CELOTEX CORPORATED DUMP	ILD981961634	001	8/25/88	6/4/87
05	IL	CHEM PAC SITE	ILD050564277	001	6/4/87	8/1/84
05	IL	CHICAGO CITY OF CYANIDE INCIDENT	ILD9819569216	001	7/25/84	7/22/84
05	IL	CHICAGO DRUMS	ILD982071647	001	7/20/84	5/19/89
05	IL	CHICAGO INDUSTRIAL WASTE HAULERS	ILD981539889	001	1/19/89	3/1/89
05	IL	CHICAGO METRO MP SITE	IL0001907563	001	4/28/97	7/15/94
05	IL	CHILDS PROPERTY	IL000146977	001	4/11/94	9/3/97
05	IL	CIRCLE SMELTING CORPORATION	ILD050231976	001	10/1/83	11/30/84
05	IL	CIRCLE SMELTING CORPORATION	ILD050231976	001	10/1/83	8/4/85
05	IL	CJR PROCESSING-QVOE CHEMICAL	ILD046891117	001	3/22/94	5/6/84
05	IL	CLARK PROPERTY	ILD984833397	001	11/29/83	4/15/85
05	IL	CUNEO PRESS	ILD980786261	001	9/12/94	6/19/88
05	IL	CUSTOM BLENDED OILS	ILD069503944	001	1/7/98	11/9/85
05	IL	D.C. FRANICHE METAL COATINGS	ILD005121736	001	8/15/95	5/18/85
05	IL	DAILY DRUM SERVICE, INC.	ILD025791660	001	8/23/84	9/19/83
05	IL	DAN FORTH CORPORATION	ILD98428453	001	1/4/93	11/25/82
05	IL	DANVILLE PLATING COMPANY	ILD005239348	001	11/25/82	10/10/95
05	IL	DAVID CHEMICAL SITE	IL0000382119	001	10/18/94	5/1/86
05	IL	DIXIE AUTO SALVAGE	IL0001086842	002	7/10/95	10/12/98
05	IL	DIXIE AUTO SALVAGE	IL0001086842	002	10/12/98	2/1/89
05	IL	DIXON/JOHNSON WRECKING	ILSF00507785	001	12/7/86	5/2/94
05	IL	DONOVAN PROPERTIES	IL0000027722	001	5/2/94	4/16/87
05	IL	DOUBLE A METALS	ILD025352139	001	1/23/97	3/12/82
05	IL	DRISCOLL & COMPANY, INC.	ILD005090196	001	8/15/91	7/8/84
05	IL	DUNAVAN OIL	ILD980794928	001	12/11/82	9/30/88
05	IL	DUPAGE COUNTY/LDF/BLACKWELL FOREST PRES	ILD980606305	001	3/31/86	6/30/84
05	IL	EAST MOLINE MERCURY	IL000088807	001	2/2/94	3/15/85
05	IL	ELGIN SALVAGE & SUPPLY	ILD025444837	001	7/7/93	7/30/87
05	IL	ELIZABETH STREET FOUNDRY	ILD005096822	001	5/27/97	12/17/91
05	IL	EMPIRE INDUSTRIES	ILD984809236	001	10/7/91	3/22/89
05	IL	ESTECH GENERAL CHEMICAL COMPANY	ILD099213498	001	3/22/89	5/1/84
05	IL	ETHYL CORP ETHYL PETROLEUM ADDITIVES DIVISION	ILD055871370	001	5/1/84	7/10/86
05	IL	FLOSSMOOR DRUM	IL0001411891	001	6/21/96	8/23/91
05	IL	GALESBURG PAINTCRAFT	ILD984809493	001	12/5/90	8/13/83
05	IL	GEBHART FERTILIZER COMPANY	ILD980824874	001	6/20/83	5/9/84
05	IL	GEBHART FERTILIZER COMPANY	ILD980824874	002	5/9/84	6/13/85
05	IL	HARRISON SHEET STEEL CO.	IL0001048834	001	2/22/85	2/23/86
05	IL	HARVEY GRQ	IL0001128024	001	9/21/95	1/24/96
05	IL	HAWKINS PROPERTY	IL0000108464	001	12/11/95	3/9/83
05	IL	HIXON PLATING COMPANY	ILD980820185	001	10/29/82	5/25/84
05	IL	HUTTER OIL SPILL INCIDENT	ILD981952880	001	5/25/84	6/10/84
05	IL	IBS DIOXIN SITE	ILD065236503	001	4/24/87	6/15/87

05	IL	IBS DIXON SITE	ILD065238503	FF Removal	002	12/3/97	8/7/92
05	IL	ILADA ENERGY CO	ILD90996789	FF Removal	001	2/6/99	3/14/04
05	IL	ILLEGAL DUMP SHOAL CREEK	ILD981952526	Fund Removal	001	3/14/04	3/31/84
05	IL	INDIAN REFINERY-TEXACO LAWRENCEVILLE	ILD042871248	FF Removal	001	10/29/97	
05	IL	INTERSTATE POLLUTION CONTROL INC	ILT180011975	FF Removal	001	11/7/92	11/9/93
05	IL	IPC-TDF TIRE FIRE	ILD001992447	Fund Removal	001	2/14/97	2/16/97
05	IL	JENNISON WRIGHT CORPORATION	ILD090592479	Fund Removal	001	1/18/94	3/31/95
05	IL	JOLIET ARMY AMMO PLT LAP AREA	IL0210060049	PRP Removal	001	6/1/96	2/1/97
05	IL	JOLIET ARMY AMMO PLT LAP AREA	IL0210060049	PRP Removal	003	8/18/97	
05	IL	JOLIET ARMY AMMO PLT MFG	IL0213820460	PRP Removal	001	8/1/96	9/30/96
05	IL	KENDALL CORP MEDICAL SUPPLIES	ILD984886586	FF Removal	001	12/7/93	8/13/93
05	IL	KENNY MORRISON	IL0002457190	Fund Removal	001	9/8/98	11/12/98
05	IL	KERR-MCGEE REED KEPLER PARK	ILD980924007	FF Removal	001	3/27/96	
05	IL	KERR-MCGEE RESIDENTIAL AREAS	ILD980924015	FF Removal	001	5/3/95	
05	IL	L.R. KERNS INDUSTRIAL LUBRICANTS	IL0001401223	Fund Removal	001	6/17/96	9/6/96
05	IL	LAKE SALVAGE COMPANY	ILD076875285	FF Removal	001	6/12/95	8/21/95
05	IL	LAKE SALVAGE COMPANY	ILD076875285	Fund Removal	001	4/19/94	4/22/94
05	IL	LANSON CHEMICAL/PUREX CORPORATION	ILD984883878	Fund Removal	001	6/1/92	5/27/94
05	IL	LASALLE CAPACITOR	ILD984890685	FF Removal	001	7/26/93	8/11/93
05	IL	LASALLE ELECTRICAL UTILITIES	ILD980794333	Fund Removal	001	7/16/93	12/1/93
05	IL	LASALLE ELECTRICAL UTILITIES	ILD980794333	Fund Removal	002	6/5/84	6/22/84
05	IL	LASALLE ELECTRICAL UTILITIES	ILD980794333	Fund Removal	003	4/15/85	12/26/85
05	IL	LEWIS TERRY RESIDENCE	IL0001139252	Fund Removal	001	7/26/95	10/31/95
05	IL	LINDSAY LIGHT II	IL0000002212	FF Removal	001	5/14/94	3/13/96
05	IL	LINDSAY LIGHT II	IL0000002212	FF Removal	002	10/21/96	
05	IL	LIQUID DYNAMICS	ILD980924682	Fund Removal	001	4/23/93	6/9/93
05	IL	LIQUID DYNAMICS	ILD980924682	Fund Removal	002	6/18/90	8/20/90
05	IL	LYNWOOD RESIDENCE	IL0001888684	Fund Removal	001	1/16/97	1/18/97
05	IL	MANITOHALL MERCURY SITE	IL0001319276	Fund Removal	001	12/18/95	1/18/96
05	IL	MAPLE LAKE DRUMS	ILSFN0507800	Fund Removal	001	12/23/98	
05	IL	MARK TWAIN INDUSTRIES	ILD042865877	FF Removal	001	9/27/93	6/15/94
05	IL	MCC CONSTRUCTION	IL000098302	Fund Removal	001	1/4/95	2/7/95
05	IL	MEWARD AVENUE DRUMS	ILD984810396	Fund Removal	001	1/17/91	7/11/91
05	IL	MIDWEST BODY CORPORATION	IL0002325330	Fund Removal	001	9/29/98	11/13/98
05	IL	MIGOWANE LANDFILL	ILD980487788	Fund Removal	001	6/19/90	6/21/90
05	IL	MIKA-TIMBER	ILD054955547	Fund Removal	001	1/13/94	12/14/95
05	IL	MOLINE FOUNDRY BELVIDERE	IL0000110064	Fund Removal	001	5/16/94	3/18/95
05	IL	MOLINE FOUNDRY ST. CHARLES	IL0000109306	Fund Removal	001	1/11/94	11/17/94
05	IL	MORRIS PAINTS AND VARNISH	ILD096721063	Fund Removal	001	3/16/90	6/6/90
05	IL	MOSCHIANO PLATING COMPANY	ILD062471081	Fund Removal	001	10/13/97	11/17/97
05	IL	MR CHROME BUMPER	IL0001401215	Fund Removal	001	2/26/96	3/13/96
05	IL	MT RICHARDS OIL CO	ILD06305130	Fund Removal	001	7/29/99	4/4/90
05	IL	MUSSELE-AG	IL0001405141	Fund Removal	001	3/27/96	11/25/96

05	IL	NALCO CHEMICAL COMPANY	FF Removal	001	6/30/86	
05	IL	NATIONAL SHEET METAL (NSM)	Fund Removal	001	1/6/82	4/23/82
05	IL	NORTH SHORE GROUP	Fund Removal	001	10/17/85	2/7/86
05	IL	OAKWOOD GASOLINE SPILL	Fund Removal	001	4/8/87	4/17/87
05	IL	OTTAWA MECURY SITE	Fund Removal	001	12/7/91	5/13/92
05	IL	OTTAWA RADIATION AREAS	Fund Removal	001	1/14/88	6/14/91
05	IL	OTTAWA RADIATION AREAS	Fund Removal	002	1/20/88	9/1/88
05	IL	OTTAWA RADIATION AREAS	Fund Removal	003	9/28/94	7/31/97
05	IL	OTTAWA RADIATION AREAS	Fund Removal	004	9/28/94	7/31/97
05	IL	OTTAWA RADIATION AREAS	Fund Removal	005	1/4/88	6/14/91
05	IL	OTTAWA RADIATION AREAS	Fund Removal	006	6/27/86	7/31/97
05	IL	PARK PLATING COMPANY	Fund Removal	001	6/22/92	1/13/93
05	IL	PAXTON AVENUE LAGOONS	Fund Removal	001	9/11/89	1/26/90
05	IL	PERFORMANCE ONE PLATING	Fund Removal	001	11/10/93	2/16/94
05	IL	PIERCE WASTE OIL SERV INC	Fund Removal	001	7/30/92	7/2/93
05	IL	PRAIRIE PAINT & ADHESIVES	FF Removal	001	4/30/84	6/10/85
05	IL	PRAIRIELAND STEEL COMPANY	Fund Removal	001	8/19/86	10/18/86
05	IL	QUALITY PLATING	Fund Removal	001	11/1/94	5/10/95
05	IL	QUINCY DRUMS	Fund Removal	001	10/2/89	11/2/89
05	IL	RIVERDALE CHEMICAL	FF Removal	001	10/4/84	10/4/84
05	IL	ROCK ISLAND PLATING WORKS	Fund Removal	001	9/30/86	
05	IL	ROSS MERCURY SPILL	Fund Removal	001	3/16/98	3/30/98
05	IL	RTD INDUSTRIES	Fund Removal	001	12/4/82	12/4/82
05	IL	SANGAMO ELECTRIC DUMP/CRAB ORCHARD NAT.	PRP Removal	001	2/29/92	8/31/93
05	IL	SAUGET & COUNTY LANDFILL (SITE Q)	Fund Removal	001	2/21/95	3/31/95
05	IL	SAUGET AREA I - DEAD CREEK	Fund Removal	001	8/12/82	11/5/82
05	IL	SAUGET AREA I - DEAD CREEK AREA G (SAUGE	Fund Removal	001	3/28/95	8/9/95
05	IL	SAVANNA ARMY DEPOT	PRP Removal	001	6/15/95	9/18/97
05	IL	SE ROCKFORD GROUNDWATER CONT	Fund Removal	001	10/3/89	12/1/90
05	IL	SOUTHWEST HIGHWAY DRUMS	FF Removal	001	1/12/189	6/11/96
05	IL	STANDARD SCRAP METAL COMPANY	Fund Removal	001	10/28/94	1/30/96
05	IL	STEEGER INDUSTRIAL PAINT	Fund Removal	001	1/6/97	3/7/97
05	IL	STEWART ST ACID DRUM SITE	Fund Removal	001	4/17/86	4/29/88
05	IL	SUBURBAN FINISHING CO	FF Removal	001	8/14/87	11/8/87
05	IL	SUN MACHINE PARTS	Fund Removal	001	12/5/97	9/21/98
05	IL	SUNKYONG INTERNATIONAL	FF Removal	001	2/19/88	
05	IL	TILTON PLATING	Fund Removal	001	9/25/98	
05	IL	UNION MECHLING COMPANY	FF Removal	001	8/4/97	
05	IL	US SCRAP	Fund Removal	001	8/16/85	7/25/86
05	IL	VULCAN-LOUISVILLE SMELTING COMPANY	Fund Removal	002	9/4/88	
05	IL	WASTEX #1 RESEARCH	FF Removal	001	9/15/97	12/4/97
05	IL	WAUKEGAN PAINT & LACQUER	Fund Removal	001	3/31/82	12/28/92
05	IL	WAUKEGAN TAR PITS	FF Removal	001	3/11/91	11/9/93

05	IL	WELTMEYER AUTO	IL0002093144	Fund Removal	001	10/23/97	9/18/95
05	IL	WEST ROSEVELT DRUM SITE	IL0001039056	Fund Removal	001	5/22/95	10/15/90
05	IL	WOOD DALE DRUM	IL0984787994	Fund Removal	001	6/21/90	12/30/94
05	IL	YEOMAN CREEK LANDFILL	IL098500102	FF Removal	001	9/15/90	6/19/95
05	IL	YEOMAN CREEK LANDFILL	IL098500102	FF Removal	002	11/16/92	
05	IL	YEOMAN CREEK LANDFILL	IL098500102	FF Removal	003	6/23/98	
05	IL	YONKELOWITZ JUNKYARD	IL0984786444	Fund Removal	001	5/12/97	9/3/97
05	IN	A.O SMITH ELECTRIC MOTOR COMPANY	IND003675904	FF Removal	001	5/22/95	
05	IN	ABANDON DRUMS	IND984867242	Fund Removal	001	6/26/82	7/18/82
05	IN	ACCRA PAC INC (SIA)	IND042080614	FF Removal	001	8/6/86	5/15/87
05	IN	ACCRA PAC INC (SIA)	IND042080614	FF Removal	002	6/30/88	
05	IN	AUGUSTUS HOOK PROPERTY	IND98485045	Fund Removal	001	1/25/96	1/24/97
05	IN	AVANTI CORPORATION	IND985102425	FF Removal	001	6/29/94	6/3/98
05	IN	AVANTI CORPORATION	IND985102425	FF Removal	002	7/27/98	
05	IN	BAKER PROPERTY	IND98102425	Fund Removal	001	8/70/84	8/16/94
05	IN	BEAR BRAND HOISERY COMPANY	IND981194079	Fund Removal	001	11/20/89	2/13/90
05	IN	BELMONT-HURON STREETS	IND001411883	Fund Removal	001	11/26/96	12/16/96
05	IN	BENNETT STONE QUARRY	IND001119899	Fund Removal	001	8/1/95	1/25/96
05	IN	BLACK OAKS DUMP	IND006418651	Fund Removal	001	5/30/83	7/13/83
05	IN	C. & M PLATING	IND98485243	Fund Removal	001	4/6/91	9/19/91
05	IN	C. & M PLATING	IND005461752	FF Removal	001	6/29/86	10/21/88
05	IN	CALUMET CONTAINER	IND009451752	Fund Removal	002	7/27/95	6/7/86
05	IN	CALUMET CONTAINER	IND980500193	Fund Removal	001	4/27/82	5/24/82
05	IN	CAM-OR, INCORPORATED	IND980500193	Fund Removal	002	1/9/84	2/17/84
05	IN	CAM-OR, INCORPORATED	IND005480462	Fund Removal	001	3/20/87	12/9/87
05	IN	CAM-OR, INCORPORATED	IND005480462	Fund Removal	002	10/7/89	12/12/88
05	IN	CANTU FAMILY RESIDENTIAL WELLS	IND005480462	Fund Removal	003	6/2/89	5/17/90
05	IN	CHDD, INCORPORATION	IND981952872	Fund Removal	001	7/21/86	1/14/88
05	IN	CONRAIL RAILYARD ELKHART	IND173416876	Fund Removal	001	1/9/82	6/5/92
05	IN	CONSERVATION CHEMICAL COMPANY	IND000715490	Fund Removal	001	4/9/91	5/12/91
05	IN	CONTINENTAL CHEMICAL COMPANY	IND04088892	Fund Removal	001	10/4/85	
05	IN	CONTINENTAL CHEMICAL COMPANY - BEECH STREET	IND984868772	FF Removal	001	4/10/89	3/21/90
05	IN	CONTINENTAL CHEMICAL COMPANY - BEECH STREET	IND001763150	FF Removal	001	8/18/87	10/4/87
05	IN	CONTINENTAL CHEMICAL COMPANY - BEECH STREET	IND001763150	Fund Removal	001	8/18/87	10/4/87
05	IN	CONTINENTAL STEEL CORP	IND001763150	Fund Removal	001	8/18/87	10/4/87
05	IN	CONTINENTAL STEEL CORP	IND001213593	Fund Removal	001	2/26/90	10/1/93
05	IN	CONTINENTAL WASTE SYSTEMS INC	IND001213593	Fund Removal	002	5/4/88	
05	IN	CONTINENTAL WASTE SYSTEMS INC	IND008737275	Fund Removal	001	11/21/86	6/19/87
05	IN	CONTINENTAL WASTE SYSTEMS INC	IND008737275	Fund Removal	002	9/27/87	11/18/88
05	IN	CUSTOM FINISHING INC	IND092014851	Fund Removal	001	10/12/94	12/30/94
05	IN	DIMAR CORP	IND981088156	FF Removal	001	2/15/85	7/11/85
05	IN	DOUGLAS ROAD UNIROYAL INC LDFL	IND980607881	Fund Removal	001	8/12/84	6/11/86
05	IN	DOWDEN LDFL	IND981952864	Fund Removal	001	2/21/86	6/12/86
05	IN	ELMER CARRICO DRUM SITE	IND984801124	Fund Removal	001	9/18/91	1/11/92

05	IN	ENGINUITY, INCORPORATED	IND094470028	Fund Removal	001	6/1/89	6/11/80
05	IN	ENGLISH FURNITURE COMPANY	IND001913110	Fund Removal	001	6/17/87	6/20/97
05	IN	ENVIRO-CHEM CORP	IND084259951	Fund Removal	001	4/6/83	5/25/83
05	IN	ENVIRO-CHEM CORP	IND084259951	Fund Removal	002	7/8/83	9/27/83
05	IN	ENVIRO-CHEM CORP	IND084259951	Fund Removal	003	7/1/84	3/15/85
05	IN	ENVIRO-CHEM CORP	IND084259951	Fund Removal	004	4/22/85	7/18/85
05	IN	ENVIRO-CHEM CORP	IND985048529	Fund Removal	005	6/24/96	9/30/96
05	IN	ENVIRONMENTAL CLEAN-UP CONTRACTORS SERVICE	IND984877050	Fund Removal	001	1/8/98	2/27/98
05	IN	EVANSVILLE PLATING WORKS	IND984877050	Fund Removal	001	6/29/90	11/2/93
05	IN	FELL IRON & METAL INC	IND015208795	FF Removal	001	7/6/88	1/26/96
05	IN	FISHER CALO	IND074315896	FF Removal	001	4/10/89	7/17/89
05	IN	FISHER CALO	IND074315896	FF Removal	002	7/18/89	9/30/90
05	IN	FISHER CALO	IND074315896	FF Removal	003	2/10/92	12/30/95
05	IN	FISHER CALO	IND074315896	FF Removal	004	9/30/92	12/30/95
05	IN	FISHER CALO	IND074315896	Fund Removal	001	11/18/91	7/6/92
05	IN	FORT WAYNE TIRE RECYCLERS	IND002008001	Fund Removal	001	8/30/97	9/2/97
05	IN	G&S SERVICES	IND147077770	FF Removal	001	5/22/97	
05	IN	GALEN MEYER'S DUMP/DRUM SAL	IND980999635	Fund Removal	001	2/11/85	5/10/85
05	IN	GALEN MEYER'S DUMP/DRUM SAL	IND980999635	Fund Removal	002	2/9/87	8/31/87
05	IN	GALEN MEYER'S DUMP/DRUM SAL	IND980999635	Fund Removal	003	4/22/84	2/3/87
05	IN	GARY DOG POUND SITE	IND981193709	Fund Removal	001	12/13/85	3/25/86
05	IN	GARY LAGOONS	IND984873465	Fund Removal	001	8/13/86	4/21/97
05	IN	GARY LAGOONS	IND984873465	Fund Removal	002	8/13/86	5/21/97
05	IN	GEMEINHARDT COMPANY INCORPORATED	IND054644323	FF Removal	001	1/23/90	
05	IN	GEMEINHARDT COMPANY INCORPORATED	IND054644323	Fund Removal	001	8/6/84	3/25/85
05	IN	GREAT LAKES PAVING/ASPHALT	IND980950816	Fund Removal	001	5/16/89	10/10/90
05	IN	GUILDCREST INDUSTRIES	IND985047919	Fund Removal	001	12/9/92	2/19/93
05	IN	H & H ENTERPRISE	IND985063329	FF Removal	001	12/21/94	
05	IN	H & H ENTERPRISE	IND985063329	Fund Removal	001	2/19/93	
05	IN	HIGHLAND FLOOD SITE	IND984891705	Fund Removal	001	12/7/90	1/23/91
05	IN	HIMCO DUMP	IND98050292	FF Removal	001	5/7/92	6/5/92
05	IN	I-69 MIDNITE DUMP	IND981001167	Fund Removal	001	11/9/84	3/6/85
05	IN	I.J. COVINGTON ROAD	IND980501811	FF Removal	001	1/2/90	
05	IN	ILLINOIS CENTRAL SPRING	INSPN0507791	Fund Removal	001	10/6/98	
05	IN	INDIANA WOODTREATING	IND082233143	Fund Removal	001	5/6/92	4/5/96
05	IN	INDUSTRIAL FUELS & ASPHALT	IND984898684	Fund Removal	001	7/11/91	7/6/90
05	IN	INGRAM RICHARDSON COMPANY	IND082287632	Fund Removal	001	5/23/90	9/29/94
05	IN	INGRAM RICHARDSON COMPANY	IND082287632	Fund Removal	002	10/26/92	2/26/93
05	IN	KOFABCO INCORPORATED	IND080309937	Fund Removal	001	12/16/92	4/19/96
05	IN	LAKE SANDY JOIM & M LDFL	IND980500524	Fund Removal	001	3/19/86	5/2/86
05	IN	LAKE SANDY JOIM & M LDFL	IND980500524	Fund Removal	002	9/19/86	10/9/86
05	IN	LAKELAND AUTO SALVAGE	IND001401462	Fund Removal	001	9/19/86	10/9/86
05	IN	LEMON LANE LDFL	IND980794341	Fund Removal	001	6/20/83	7/1/83

05	IN	LOST MAN'S LANE	IND981628266	Fund Removal	001	10/16/84	2/1/85
05	IN	LUSHER STREET GROUNDWATER CONTAMINATION	IND982073785	Fund Removal	001	11/27/87	8/31/88
05	IN	LUSHER STREET GROUNDWATER CONTAMINATION	IND982073785	Fund Removal	002	6/9/88	8/31/88
05	IN	M & K METALS	IND982071532	Fund Removal	001	11/14/84	6/5/87
05	IN	M. METAL COMPANY INCORPORATED	IND102237773	Fund Removal	001	10/2/88	11/6/88
05	IN	MAIN STREET WELL FIELD	IND980794358	Fund Removal	001	6/13/85	4/2/87
05	IN	MICHIGAN CITY DRUM SITE	IND982071060	Fund Removal	001	6/28/86	7/1/86
05	IN	MIDCO 1 SITE	IND980615421	PRP Removal	001	9/1/81	6/30/81
05	IN	MIDCO 1 SITE	IND980615421	Fund Removal	001	2/25/82	7/7/82
05	IN	MIDCO II	IND980795559	Fund Removal	001	4/23/84	5/14/84
05	IN	MIDCO II	IND980795559	Fund Removal	002	12/19/84	5/28/88
05	IN	MIDWEST PLATING & CHEMICAL PLANT #2	IND005446471	Fund Removal	001	4/18/85	8/23/85
05	IN	MIDWEST PLATING & CHEMICAL PLANT #2	IND005446471	Fund Removal	002	5/9/81	8/17/82
05	IN	MIDWEST PLATING CORPORATED	IND006059117	Fund Removal	001	4/21/86	11/21/86
05	IN	MIDWEST PLATING CORPORATED	IND006059117	Fund Removal	002	12/1/87	12/21/87
05	IN	MONON WATER UTILITY	IND981101322	Fund Removal	001	12/29/85	6/19/87
05	IN	MUNCIE RACE TRACK	IND984895870	FF Removal	001	3/23/82	
05	IN	MUNSTER DUMP SITE	IND982071789	FF Removal	001	1/5/87	4/28/88
05	IN	NEAL'S DUMP (SPENCER)	IND980794549	FF Removal	001	8/15/84	
05	IN	NEALS LOFL BLOOMINGTON	IND980614556	FF Removal	001	8/15/84	12/31/84
05	IN	NINTH AVENUE DUMP	IND980794432	FF Removal	001	16/82	16/86
05	IN	NINTH AVENUE DUMP	IND980794432	Fund Removal	001	9/14/87	10/14/87
05	IN	OK MARKETING INCORPORATION	IND984974055	Fund Removal	001	7/8/82	3/2/83
05	IN	PETRO STATION TRUCK STOP	IND001692454	FF Removal	001	1/22/88	1/22/88
05	IN	POER FARM	IND980684583	Fund Removal	001	6/13/83	7/25/83
05	IN	PORTAGE DRUM SITE	IND982071078	Fund Removal	001	6/30/86	12/30/86
05	IN	PR MALLORY	IND981528387	FF Removal	001	5/28/88	6/23/88
05	IN	PR MALLORY	IND981528387	FF Removal	002	6/23/88	
05	IN	PRESTOLITE BATTERY DIV	IND008377048	FF Removal	001	5/11/89	6/19/89
05	IN	R & J TRANSPORT COMPANY	IND981538663	Fund Removal	001	5/10/85	7/6/85
05	IN	R & J TRANSPORT COMPANY	IND981538663	Fund Removal	002	9/14/80	12/12/90
05	IN	SEYMOUR RECYCLING CORP	IND040313017	FF Removal	001	12/1/82	131/84
05	IN	SEYMOUR RECYCLING CORP	IND040313017	Fund Removal	001	12/1/80	6/4/81
05	IN	SHELTON DELVIN R	IND980652336	Fund Removal	001	10/19/84	7/1/87
05	IN	SOLVENT RELEASE/BUSHER BAND	IND984891580	Fund Removal	001	10/6/80	5/3/91
05	IN	ST. JOSEPH COUNTY GROUNDWATER-MAYFLOWER	IND006943415	FF Removal	001	12/22/85	1/13/87
05	IN	SYCAMORE STREET	IND982425415	Fund Removal	001	5/18/87	6/18/87
05	IN	THIRD SITE	IND984876177	FF Removal	001	6/25/86	10/9/86
05	IN	TRI-STATE PLATING	IND006038764	Fund Removal	001	6/2/87	9/25/87
05	IN	TRI-STATE PLATING	IND006038764	Fund Removal	002	11/6/87	12/18/87
05	IN	TRI-STATE PLATING	IND006038764	Fund Removal	003	2/27/89	6/27/89
05	IN	TRIPLE J MOTORS SITE	IND984898958	Fund Removal	001	9/14/89	12/6/89
05	IN	TUSSETY TRAILER SITE	IND984871134	Fund Removal	001	7/12/89	9/25/90

05	IN	TYLER STREET DUMP SITE	IND962071066	Fund Removal	001	6/30/88	12/30/86
05	IN	UNROYALHILL STREET	IND005449630	Fund Removal	001	5/26/98	
05	IN	VICKERS WAREHOUSE SITE	IND981089170	FF Removal	001	6/24/98	1/16/98
05	IN	WARSAW CHEMICAL COMPANY INCORPORATED	IND005430244	FF Removal	001	12/13/89	
05	IN	WAYNE WASTE OIL	IND048989479	FF Removal	001	7/10/86	9/17/87
05	IN	WAYNE WASTE OIL	IND048989479	FF Removal	002	2/17/88	12/31/83
05	IN	WEDZEB ENTERPRISES INC	IND980794374	Fund Removal	001	4/13/87	9/30/87
05	IN	WEST TERRA HAUTE LANDFILL FIRE	INSFN0507789	Fund Removal	001	10/3/88	10/5/88
05	IN	WESTERN SCRAP CORP	IND095258075	Fund Removal	001	7/9/86	3/16/89
05	IN	WESTINGHOUSE ELECTRIC CORPORATION	IND00602467	FF Removal	001	5/20/89	11/2/95
05	IN	WESTINGHOUSE/ABB POWER	IND001982164	FF Removal	001	5/30/89	
05	IN	WESTSIDE OF CLEAR CREEK	IND981200322	FF Removal	001	8/26/97	10/27/97
05	IN	WINSTON THOMAS	IND981200322	FF Removal	001	8/25/97	
05	IN	WINSTON THOMAS	IND981200322	FF Removal	002	5/26/88	
05	IN	WINSTON THOMAS	IND981200322	FF Removal	003	8/25/87	10/27/87
05	IN	WOODLAWN INDUSTRIAL DEVELOPMENT	IND981200322	FF Removal	004	11/21/97	2/13/98
05	MI	23RD & POPLAR	IND001411875	Fund Removal	001	6/13/86	12/20/86
05	MI	24TH & SAVOY TRAILER	MID002322477	Fund Removal	001	5/7/88	6/10/88
05	MI	AABCO WASTE OIL	MID988535143	Fund Removal	001	2/21/92	12/8/92
05	MI	ABC DRUM	MIT270012107	Fund Removal	001	8/11/87	11/18/87
05	MI	ABC DRUM & BARREL - LANTZ STREET	MID985984549	Fund Removal	001	8/13/80	11/4/91
05	MI	AIRCRAFT COMPONENTS (MICHIGAN RADIOLOGIC	MID985589878	Fund Removal	001	10/15/90	5/14/91
05	MI	AIRCRAFT COMPONENTS (MICHIGAN RADIOLOGIC	MID001119108	Fund Removal	003	9/16/98	
05	MI	ALBION ETHER SITE	MID98595768	Fund Removal	005	7/6/95	9/1/95
05	MI	ALBION SHERIDAN TOWNSHIP LANDFILL	MID98595768	Fund Removal	001	10/16/90	1/1/80
05	MI	ALLIED PAPER/PORTAGE CREEK/KALAMAZOO RIV	MID009007306	FF Removal	001	6/7/90	8/16/90
05	MI	ALLIED PAPER/PORTAGE CREEK/KALAMAZOO RIV	MID009007306	FF Removal	002	11/1/80	7/17/81
05	MI	ALLIED PAPER/PORTAGE CREEK/KALAMAZOO RIV	MID009007306	FF Removal	003	8/3/98	
05	MI	ALMA IRON & METAL	MID98909873	FF Removal	001	12/5/88	1/31/91
05	MI	ALMA IRON & METAL	MID104775895	FF Removal	002	2/15/91	11/22/91
05	MI	AMERICAN STEEL WORK COMPANY	MID001118884	FF Removal	001	4/29/85	8/6/85
05	MI	AMERICAN SYNTHETICS SITE	MID001118884	FF Removal	001	6/14/85	8/15/85
05	MI	ANACONDA INDUSTRIES BRASS	MID069608739	Fund Removal	001	9/7/95	11/22/95
05	MI	ANO ENTERPRISES	MID094799954	Fund Removal	001	3/15/84	3/15/85
05	MI	AUTO ION CHEMICALS, INC	MID980794382	FF Removal	001	12/26/84	7/31/82
05	MI	AUTOMATIC DIE CAST	MID043258807	Fund Removal	001	4/29/82	3/30/83
05	MI	AVENUE 'E' GROUND WATER CONTAMINATION	MID080751300	Fund Removal	001	11/4/82	12/2/82
05	MI	BEAR LAKE	MID980794382	Fund Removal	001	9/12/82	6/21/86
05	MI	BERGER CORPORATION	MID001098888	Fund Removal	001	7/31/85	4/4/87
05	MI	BERGER CORPORATION	MID052500261	FF Removal	001	11/4/86	1/16/85
05	MI	BERLIN & FARRO	MID009605717	FF Removal	001	9/13/84	1/16/85
05	MI	BERLIN & FARRO	MID009605717	Fund Removal	001	5/11/81	10/1/81

05	MI	BERLIN & FARRO	MID000605717	Fund Removal	002	10/5/81	10/2/81
05	MI	BERLIN & FARRO	MID000605717	Fund Removal	003	6/11/82	7/27/82
05	MI	BERLIN & FARRO	MID000605717	Fund Removal	004	8/18/83	10/28/83
05	MI	BOSTWICK DRUMS	MID001764984	FF Removal	001	3/12/97	10/9/97
05	MI	BOSTWICK DRUMS	MID001764984	FF Removal	002	11/26/97	6/8/98
05	MI	BRIGHTON TOWNSHIP DUMP	MID980504626	Fund Removal	001	5/14/80	10/29/80
05	MI	BROOKS' TOWNRY LAGOONS	MID005092303	Fund Removal	001	4/27/89	2/8/90
05	MI	BRUCE PRODUCTS	MID005317862	Fund Removal	001	8/20/93	1/27/95
05	MI	BRUCE PRODUCTS	MID005317862	Fund Removal	002	5/12/97	8/8/97
05	MI	BURROWS SANITATION	MID980410617	FF Removal	001	7/6/84	3/15/85
05	MI	BUSCARINO SITE	MID985579184	FF Removal	001	5/3/90	5/10/90
05	MI	BUTTERWORTH #2 LDFL SITE	MID82222397	FF Removal	001	8/1/89	11/7/89
05	MI	BUTTERWORTH #2 LDFL SITE	MID82222397	FF Removal	002	11/27/89	7/8/90
05	MI	CAN FLOW INTERNATIONAL INCORPORATION	MID085404281	FF Removal	001	12/12/88	11/29/91
05	MI	CANNELTON INDUSTRIES	MID980676627	FF Removal	001	5/28/69	4/24/80
05	MI	CANNELTON INDUSTRIES	MID980676627	FF Removal	002	9/23/91	1/6/92
05	MI	CANNELTON INDUSTRIES	MID980676627	FF Removal	003	10/4/94	9/27/95
05	MI	CANNELTON INDUSTRIES	MID980676627	Fund Removal	001	6/11/88	7/1/88
05	MI	CARLS TIRE RETREADING SITE	MID001401918	Fund Removal	001	12/30/95	1/20/96
05	MI	CARTER INDUSTRIALS, INC	MID980274179	Fund Removal	001	6/6/86	10/11/88
05	MI	CARTER INDUSTRIALS, INC	MID980274179	Fund Removal	002	10/11/88	5/31/89
05	MI	CARTER SIDING	MID001571868	Fund Removal	001	5/5/97	7/1/97
05	MI	CENTREVILLE MERCURY	MISFN0507803	Fund Removal	001	1/28/99	3/30/99
05	MI	CHASE MFG CO	MID980403890	FF Removal	001	10/8/87	5/13/88
05	MI	CHEMICAL DRUM	MID985567643	Fund Removal	001	6/29/82	7/1/82
05	MI	CHRYSAN INDUSTRIES	MID088326356	FF Removal	001	3/21/97	10/6/97
05	MI	COLLOIDAL PAINT PRODUCTS	MID002264646	FF Removal	001	10/22/98	
05	MI	COMET CHROME PLATING	MID001412469	Fund Removal	001	6/25/96	4/4/97
05	MI	CRYSTAL REFINING COMPANY	MID006028914	Fund Removal	001	3/31/88	9/30/88
05	MI	DETROIT DRUM CLEAN-UP	MID980624916	Fund Removal	001	6/8/81	10/1/81
05	MI	DETROIT PESTICIDE PROJECT	MID001273473	Fund Removal	001	1/16/96	4/15/96
05	MI	DUELL & GARDNER LDFL	MID980504716	Fund Removal	001	9/25/86	3/5/86
05	MI	DURAKO PAINT	MID005326673	Fund Removal	001	10/14/97	1/29/98
05	MI	EASTON ESTATES METHANE SITE	MID001326602	FF Removal	001	2/14/97	
05	MI	EASTON ESTATES METHANE SITE	MID001326602	Fund Removal	001	1/10/96	10/4/96
05	MI	ENTERPRISE OIL	MID985222778	Fund Removal	002	4/22/93	10/1/93
05	MI	ERIE COATING & CHEMICALS INC	MID020263877	Fund Removal	001	6/1/82	12/1/82
05	MI	EVANS PRODUCTS DITCH	MID001401660	Fund Removal	001	9/30/96	4/28/97
05	MI	FAIRWAY SURPLUS	MID002364826	Fund Removal	001	11/16/98	
05	MI	FORD MOTOR CO	MID005057005	FF Removal	001	5/10/93	
05	MI	FOREST-HUMBOLDT DUMPING	MID985560471	Fund Removal	001	5/18/90	6/1/90
05	MI	FORT & SCOTTEN STREET	MID985567650	Fund Removal	001	3/28/84	4/16/84
05	MI	FRIGID FOODS	MID047152970	FF Removal	001	7/6/90	3/26/91

05	MI	G & H LDFL	MID980410823	Fund Removal	001	1/30/82	8/1/82
05	MI	G & H LDFL	MID980410823	Fund Removal	002	6/20/83	7/18/83
05	MI	G & H LDFL	MID980410823	Fund Removal	003	5/12/86	9/30/86
05	MI	G & H LDFL	MID980410823	Fund Removal	004	3/18/87	3/18/87
05	MI	G & H LDFL	MID980410823	Fund Removal	005	7/30/87	3/15/91
05	MI	GRATIOT IRON & METAL	MID985618681	Fund Removal	001	6/25/90	7/31/91
05	MI	GREAT LAKES SHIPWRECK MUSEUM	MID985618681	FF Removal	001	8/16/91	10/28/91
05	MI	GROUP EIGHT TECHNOLOGY	MID985980399	Fund Removal	001	8/11/89	9/19/89
05	MI	H & K SALES (MICHIGAN RADIOLOGIC)	MID001271535	Fund Removal	001	1/6/97	11/4/97
05	MI	H. BROWN CO., INC.	MID017075136	FF Removal	001	8/20/91	9/30/92
05	MI	HARBOR PLATING WORKS	MID985601081	Fund Removal	001	12/16/90	10/29/92
05	MI	HOOVER CHEMICAL REEVES PRODUCTS	MID985698198	Fund Removal	001	6/18/97	8/25/97
05	MI	INTERNATIONAL DISC CORPORATION	MID987808752	Fund Removal	001	3/12/86	8/1/86
05	MI	INTERNATIONAL DISC CORPORATION	MID987808752	Fund Removal	002	7/18/87	10/11/87
05	MI	IONIA CITY LANDFILL	MID980794416	FF Removal	001	5/19/84	6/15/85
05	MI	IONIA CITY LANDFILL	MID980794416	FF Removal	002	10/24/84	9/20/85
05	MI	IONIA CITY LANDFILL	MID980794416	FF Removal	003	10/17/87	
05	MI	JACKSON DROP FORGE	MID000056457	FF Removal	001	5/1/96	3/13/97
05	MI	JACKSON DROP FORGE	MID000056457	FF Removal	002	8/26/96	6/30/97
05	MI	JACKSON DROP FORGE	MID000056457	Fund Removal	001	2/22/94	
05	MI	JACO PLATING	MID103511465	Fund Removal	001	5/7/97	7/28/97
05	MI	JOHNSON IRON INDUSTRIES	MID006023022	Fund Removal	001	10/6/94	7/31/95
05	MI	JOHNSON PRODUCTS SITE	MID001889310	Fund Removal	001	5/1/97	6/20/97
05	MI	KARECKAS FARM	MID981088188	FF Removal	001	12/21/84	5/15/85
05	MI	KINFROSS MANUFACTURING CORP SITE	MID985606219	Fund Removal	001	6/27/91	9/27/91
05	MI	KUEHN BROTHERS INC.	MID095410395	Fund Removal	001	9/23/91	2/28/92
05	MI	LAKE HURON DRUM SITE	MID985685769	Fund Removal	001	8/27/90	10/4/91
05	MI	LAKE ST. CLAIRE DRUM	MID985651068	Fund Removal	001	4/8/92	4/8/92
05	MI	LAKESIDE REFINING COMPANY	MID005380019	Fund Removal	001	6/24/96	7/28/97
05	MI	LAWTON PROPERTY	MID065573485	Fund Removal	001	11/21/96	
05	MI	LEAR-SIEGLER PLANT	MID985653278	Fund Removal	001	3/6/93	9/30/94
05	MI	LIQUID DISPOSAL INC	MID067340711	Fund Removal	001	5/24/82	7/9/82
05	MI	LIQUID DISPOSAL INC	MID067340711	Fund Removal	002	7/26/82	9/10/82
05	MI	LIQUID DISPOSAL INC	MID067340711	Fund Removal	003	4/21/83	4/25/84
05	MI	LIQUID DISPOSAL INC	MID067340711	Fund Removal	004	7/6/85	4/18/86
05	MI	LOWER ECORSE CREEK DUMP	MID985574227	Fund Removal	001	12/4/89	8/5/91
05	MI	LOWER ECORSE CREEK DUMP	MID985574227	Fund Removal	002	11/15/83	8/9/84
05	MI	LUFKIN RULE	MID985584588	Fund Removal	001	7/22/85	11/19/85
05	MI	M & M CASTING	MID003319594	Fund Removal	001	11/1/83	6/6/84
05	MI	M & M CASTING	MID003319594	Fund Removal	002	7/12/97	7/25/97
05	MI	MACK AVENUE DRUMS	MID985574094	Fund Removal	001	11/22/89	2/19/90
05	MI	MACOMB COUNTY MIDNIGHT DUMP	MISFN6507502	Fund Removal	001	3/6/89	3/29/89
05	MI	MAINTENANCE MACHINE PRODUCTS, INC.	MID985575804	Fund Removal	001	2/15/90	7/19/90

05	MI	MANISTEE PLATING COMPANY	MID006016620	Fund Removal	001	7/16/93	11/24/93
05	MI	MANISTIQUE RIVER/HARBOR AREA OF CONCERN	MID981192628	Fund Removal	001	8/28/92	7/2/92
05	MI	MANISTIQUE RIVER/HARBOR AREA OF CONCERN	MID981192628	Fund Removal	002	10/24/93	11/11/93
05	MI	MANISTIQUE RIVER/HARBOR AREA OF CONCERN	MID981192628	Fund Removal	003	5/25/95	1/9/92
05	MI	MARTIN YOGT PLATING COMPANY	MID000395369	Fund Removal	001	9/15/96	12/18/90
05	MI	MASTER METALS INCORPORATION #2	MID039108624	FF Removal	001	6/15/90	
05	MI	MCI, INCORPORATION	MID981190531	Fund Removal	001	7/31/98	
05	MI	MERCURY HOUSE-DEARBORN	MID002467216	Fund Removal	001	9/22/97	11/14/97
05	MI	METRO PLATING INCORPORATED	MID985656600	Fund Removal	001	5/3/93	9/11/97
05	MI	MICHIGAN AVENUE DUMP	MID985656997	FF Removal	001	12/10/98	
05	MI	MICHIGAN CHROME & CHEMICAL COMPANY	MID0005378161	Fund Removal	001	6/7/84	7/6/84
05	MI	MILLPOINT PARK SITE	MID982071094	Fund Removal	001	11/9/91	5/21/92
05	MI	MONTIE DRUMS	MID985622665	Fund Removal	001	10/30/86	10/31/86
05	MI	MT ELLIOTT STREET DRUM SITE	MID982071102	Fund Removal	001	9/21/89	11/14/89
05	MI	NAGEL RESIDENCE SITE	MID985698654	Fund Removal	001	12/8/93	
05	MI	NEO-TECH (IST)	MID980903009	Fund Removal	001	3/1/84	3/20/85
05	MI	NILES TWP DUMP 3RD STREET RESIDENTIAL WELLS	MID980942448	Fund Removal	001	6/9/91	10/30/91
05	MI	NORTH PORT DRUM	MID985694612	Fund Removal	001	7/11/83	8/3/83
05	MI	NORTHERNAIRE PLATING	MID020863609	Fund Removal	001	12/28/92	2/17/94
05	MI	NORTHLINE DRUM SITE	MID985642123	FF Removal	001	5/10/95	11/20/96
05	MI	OAK STREET SITE	MID001118859	Fund Removal	001	3/18/91	8/15/91
05	MI	OLD KOPPERS SITE/HENRY RIVER	MID980609473	FF Removal	001	6/19/90	8/23/86
05	MI	OLD MACK AVE STAMPING PLANT	MID006357959	FF Removal	001	12/11/80	1/23/80
05	MI	OTYSTORY/CORDOVA, CHEM	MID060174240	Fund Removal	001	8/28/90	12/17/90
05	MI	PANELYTE	MID982070195	Fund Removal	001	10/15/90	6/28/96
05	MI	PARSONS CHEMICAL WORKS INC	MID980476907	Fund Removal	002	12/10/98	3/29/99
05	MI	PARSONS CHEMICAL WORKS INC	MID980476907	Fund Removal	001	4/26/93	7/29/93
05	MI	PARTZ CORPORATION	MID985698903	Fund Removal	001	8/5/91	8/15/91
05	MI	PEERLESS PLATING CO INC	MID006031348	FF Removal	001	9/8/83	10/7/83
05	MI	PEERLESS PLATING CO INC	MID006031348	Fund Removal	001	1/15/91	3/13/91
05	MI	PEERLESS PLATING CO INC	MID006031348	Fund Removal	002	7/22/87	12/2/88
05	MI	PIONEER EQUIPMENT COMPANY	MID981539109	Fund Removal	001	8/6/87	12/31/87
05	MI	PLATING EQUIPMENT USED INC	MID088334537	Fund Removal	001	5/8/90	5/29/90
05	MI	PLATING EQUIPMENT USED INC	MID088334537	Fund Removal	002	10/31/89	7/31/90
05	MI	RASMUSSEN'S DUMP	MID095402210	FF Removal	001	10/28/84	11/1/85
05	MI	RASMUSSEN'S DUMP	MID985402210	Fund Removal	001	4/7/89	
05	MI	RECLAMATION OIL COMPANY	MISF00507807	Fund Removal	001	6/18/92	9/3/92
05	MI	RELIABLE EQUIPMENT	MID006407969	Fund Removal	001	3/15/88	4/17/88
05	MI	REVERE COPPER & BRASS	MID00509997	Fund Removal	001	5/3/90	6/8/90
05	MI	RIVER ROUGE	MID981532955	FF Removal	001	9/23/96	11/7/96
05	MI	ROMAN BLEACH CLEANSER	MID006319066	Fund Removal	001	11/22/85	5/31/86
05	MI	ROSE TOWNSHIP DUMP	MID980469842	Fund Removal	001	1/30/95	7/20/95
05	MI	ROTO-FINISH CO	MID006340986	Fund Removal	001		

05	MI	ROYSTER COMPANY (MIDWEST)	MID985613447	FF Removal	001	12/23/91	5/18/93
05	MI	ROYSTER COMPANY (MIDWEST)	MID985613447	Fund Removal	001	4/6/92	10/6/92
05	MI	SAGINAW PAINT/CONSUMER POWER/GRAND TRUCK	MID980991715	Fund Removal	001	8/20/84	9/14/84
05	MI	SAGINAW RIVER DRUM	MID985651066	Fund Removal	001	4/23/92	4/23/92
05	MI	SALCO INDUSTRIAL SERVICE	MID000722728	FF Removal	001	2/26/86	1/28/87
05	MI	SALCO INDUSTRIAL SERVICE	MID000722728	FF Removal	002	1/28/87	11/13/97
05	MI	SALCO INDUSTRIAL SERVICE	MID000722728	FF Removal	001	4/19/95	2/25/96
05	MI	SARAN INDUSTRIAL COATINGS	MID010872638	Fund Removal	001	6/21/96	8/30/96
05	MI	SATTERLEE SUMPTER LANDFILL LYLES TRUCKING	MID091958603	Fund Removal	001	9/17/90	2/6/91
05	MI	SCD CHEMICAL	MID002368847	Fund Removal	001	6/23/88	8/16/88
05	MI	SCHAFFER MANUFACTURING/HAWKENS FURNITURE	MID980992523	FF Removal	001	5/23/88	8/15/88
05	MI	SCHREBER-CARAVAN DRUMS	MID985630185	FF Removal	001	6/15/82	3/31/93
05	MI	SEARS TIRE FIRE	MID001954783	Fund Removal	001	4/17/87	4/18/87
05	MI	SELKIRK & BENHAM STREET SITE	MID982071110	Fund Removal	001	5/23/87	10/2/87
05	MI	SER-PLATING COMPANY	MID980989321	Fund Removal	001	4/29/87	10/12/87
05	MI	SER-PLATING COMPANY	MID980989321	Fund Removal	002	3/1/92	6/10/92
05	MI	SILVERTONE PLATING COMPANY	MID006526859	Fund Removal	001	5/30/96	7/24/96
05	MI	SOUTH GREEN AVENUE	MID881190002	FF Removal	001	8/4/98	
05	MI	SOUTH GREEN AVENUE	MID881190002	Fund Removal	001	6/8/98	
05	MI	SOUTH LAKE SHORE ROAD DRUM	MID985651041	Fund Removal	001	7/2/91	
05	MI	SOUTH MACOMB DISPOSAL AUTHORITY (LDL 9)	MID059826170	Fund Removal	001	5/31/90	8/7/90
05	MI	SPEARFLEX CORPORATION	MID985601186	Fund Removal	001	5/3/93	7/30/93
05	MI	ST. JOHN'S INCORPORATED	MID980703771	FF Removal	001	5/16/89	8/27/91
05	MI	STEVENSON ROAD DRUM	MID982075283	Fund Removal	001	9/4/87	10/2/87
05	MI	SUPERIOR POLISHING	MID005003693	Fund Removal	001	5/27/94	8/17/94
05	MI	TAR LAKE	MID980794655	Fund Removal	001	7/30/88	
05	MI	TAYLOR SITE	MID985574086	Fund Removal	001	12/6/89	12/12/89
05	MI	TEXTILE ROAD SITE	MID980825558	FF Removal	001	9/19/91	11/13/91
05	MI	TEXTILE ROAD SITE	MID980825558	FF Removal	002	5/11/93	
05	MI	TEXTILE ROAD SITE	MID980825558	FF Removal	003	11/2/95	
05	MI	TEXTILE ROAD SITE	MID980825558	Fund Removal	001	3/27/89	3/28/89
05	MI	THE NANKIN TOWNSHIP DUMP	MID000092569	Fund Removal	001	9/12/84	6/13/95
05	MI	THERMO CHEM INC	MID0044567162	Fund Removal	001	9/12/88	12/20/88
05	MI	THERMO CHEM INC	MID044567162	Fund Removal	002	4/18/91	9/28/91
05	MI	THOMPSON BOAT SITE	MISFN0507793	Fund Removal	001	12/14/98	12/1/99
05	MI	THUNDER BAY RIVER SITE	MID985640630	Fund Removal	001	4/15/92	4/15/92
05	MI	TORCH LAKE	MID980901946	FF Removal	001	8/16/81	3/30/92
05	MI	TWO RIVERS SITE	MID98572544	Fund Removal	001	6/28/89	6/27/89
05	MI	UNION LAKE RADIATION SITE	MID001091214	Fund Removal	001	6/26/95	6/28/95
05	MI	UNION STEEL PRODUCTS INC. PLANT 1	MID003318522	Fund Removal	001	7/8/92	12/10/92
05	MI	UNIVERSAL COMPONENTS	MID985664978	Fund Removal	001	10/5/84	9/18/95
05	MI	VAN BUREN TOWNSHIP DRUMS	MISFN0507766	Fund Removal	001	8/14/88	
05	MI	VAN DUSEN AIRPORT SERVICE	MID109194076	Fund Removal	001	4/11/85	10/10/85

05	MI	VELISCOL CHEMICAL MICH	MID00072439	Fund Removal	001	8/3/96	
05	MI	VENTURE RIM PRODUCTS	MID981197262	Fund Removal	001	6/10/84	
05	MI	VERONA WELL FIELD	MID980793006	FF Removal	001	7/15/84	8/18/84
05	MI	VERONA WELL FIELD	MID980793806	Fund Removal	001	6/22/83	12/5/83
05	MI	VERONA WELL FIELD	MID980793806	Fund Removal	002	4/20/84	10/31/84
05	MI	VERONA WELL FIELD	MID980793806	Fund Removal	003	6/11/86	1/6/87
05	MI	VERONA WELL FIELD	MID980793806	Fund Removal	004	7/21/87	9/18/87
05	MI	VULCAN CINCINNATI INC	MID00069293	FF Removal	001	7/5/90	3/7/92
05	MI	VULCAN CINCINNATI INC	MID00069293	Fund Removal	001	4/23/91	7/1/91
05	MI	WALLED LAKE MERCURY SITE	MID98578418	Fund Removal	001	4/23/90	5/7/90
05	MI	WESLEY DRUMS REMOVAL	MID98563791	Fund Removal	001	6/3/92	10/16/92
05	MI	WEST JEFFERSON STREET ABANDONED DRUM	MID98576008	Fund Removal	001	4/13/84	6/27/84
05	MI	WEST LAFAYETTE STREET STURGIS	MID005174339	Fund Removal	001	4/13/84	6/27/84
05	MI	WILSON DRAIN	MID985659260	Fund Removal	001	7/12/89	8/16/89
05	MI	WILSON SITE	MID985622166	Fund Removal	001	6/22/91	1/5/93
05	MI	WORLD TRADE CENTER	MID001094465	Fund Removal	001	6/10/96	
05	MI	ZEPHYR INCORPORATION	MID006019020	Fund Removal	001	9/30/96	2/16/98
05	MI	ZIEMAN & GRAMES ROAD DUMP SITE	MID981093983	Fund Removal	001	10/5/87	12/22/88
05	MI	ZIEMAN & GRAMES ROAD DUMP SITE	MID981093983	Fund Removal	002	8/28/89	5/2/90
05	MI	ZIEMAN & GRAMES ROAD DUMP SITE	MID981093983	Fund Removal	002	8/28/89	5/2/90
05	MI	2808 40TH AVENUE SOUTH HOUSE	MND002367043	Fund Removal	001	5/25/98	6/19/98
05	MI	AGATE LAKE SCRAPYARD	MND980980668	FF Removal	001	1/5/83	1/28/83
05	MI	AGATE LAKE SCRAPYARD	MND980980668	FF Removal	002	1/5/83	1/30/83
05	MI	BERNARD KUMPLE PROPERTY	MND980904734	Fund Removal	001	2/29/84	9/1/84
05	MI	BOW CHEM COMPANY	MND980522217	Fund Removal	001	6/12/85	11/18/85
05	MI	BROOKLYN PARK DUMP SITE	MND985671874	Fund Removal	001	9/19/90	12/21/90
05	MI	BROOKLYN PARK DUMP SITE	MND985671874	Fund Removal	002	2/10/92	3/11/92
05	MI	BROOKLYN PARK DUMP SITE	MND985671874	Fund Removal	003	10/26/92	10/30/92
05	MI	CEDAR SERVICE INCORPORATION	MND062630874	Fund Removal	001	9/29/87	10/23/87
05	MI	DULUTH HARBOR DRUM SITE	MND982071771	Fund Removal	001	8/27/84	8/27/84
05	MI	FMC CORP	MND006481543	FF Removal	002	6/8/83	10/12/84
05	MI	ISANTI FARMERS CREAMERY	MND980904726	Fund Removal	001	12/1/81	5/28/82
05	MI	LEHILLIER MANKATO SITE	MND980792469	Fund Removal	001	12/19/83	12/12/84
05	MI	MACGILLIS & GIBBS CO/BELL LUMBER & POLE	MND006192694	FF Removal	001	4/4/88	8/15/89
05	MI	MACGILLIS & GIBBS CO/BELL LUMBER & POLE	MND006192694	Fund Removal	001	9/7/93	10/28/93
05	MI	NEW BRIGHTON / ARDEN HILLS	MNT213620908	PRP Removal	001	7/1/86	9/30/89
05	MI	NEW BRIGHTON / ARDEN HILLS	MNT213620908	PRP Removal	002	7/1/86	9/30/89
05	MI	NEW BRIGHTON / ARDEN HILLS	MNT213620908	PRP Removal	003	7/1/86	9/30/89
05	MI	NEW BRIGHTON / ARDEN HILLS	MNT213620908	PRP Removal	004	7/1/86	9/30/89
05	MI	NEW BRIGHTON / ARDEN HILLS	MNT213620908	PRP Removal	005	6/1/87	6/30/89
05	MI	NEW BRIGHTON / ARDEN HILLS	MNT213620908	PRP Removal	006	6/1/87	6/30/89
05	MI	NEW BRIGHTON / ARDEN HILLS	MNT213620908	PRP Removal	007	4/1/88	12/31/88
05	MI	NEW BRIGHTON / ARDEN HILLS	MNT213620908	PRP Removal	008	4/1/88	12/31/88
05	MI	NEW BRIGHTON / ARDEN HILLS	MNT213620908	PRP Removal	009	2/22/89	

05	MIN	NEW BRIGHTON / ARDEN HILLS	MNT213820908	PRP Removal	010	2/22/99
05	MIN	NEW BRIGHTON / ARDEN HILLS	MNT7213820908	PRP Removal	011	2/22/99
05	MIN	RITARI POST & POLE	MND980604064	Fund Removal	001	4/7/87
05	MIN	SOUTH ANDOVER SITES	MND980609814	Fund Removal	001	6/19/89
05	MIN	SYLVESTER BYZEWSKI RESIDENCE	MN0001410117	Fund Removal	001	7/15/87
05	MIN	UNION SCRAP III	MND980605296	Fund Removal	001	9/4/90
05	MIN	UNION SCRAP IRON & METAL CO.	MND022949192	Fund Removal	001	12/9/85
05	MIN	UNION SCRAP IRON & METAL CO.	MND981526486	Fund Removal	002	11/27/87
05	MIN	VALENTINE CLARK CORP	MND981526486	Fund Removal	002	12/12/88
05	OH	601 PROPERTIES	OH0001517151	Fund Removal	001	3/4/96
05	OH	ADVANCED TECHNOLOGY CORPORATION	OH0001088748	FF Removal	001	4/2/87
05	OH	ALLIED CHEMICAL & IRONTON COKE	OH0043730217	FF Removal	001	4/2/85
05	OH	AMERICAN ALLIED ADDITIVES	OH0001684348	Fund Removal	001	2/15/87
05	OH	AMERICAN RAILROAD TIE COMPANY	OH0000717140	Fund Removal	001	12/6/96
05	OH	AMERICAN STEEL DRUM SERVICE INCORPORATION	OH0000370353	Fund Removal	001	11/19/83
05	OH	AMERICAN STEEL DRUM SERVICE INCORPORATION	OH0000370353	Fund Removal	001	2/4/85
05	OH	AMERICAN STEEL DRUM SERVICE INCORPORATION	OH0000370353	Fund Removal	002	12/8/87
05	OH	ANACONDA AVENUE GEORGEFF SITE	OH0980510085	Fund Removal	001	6/12/82
05	OH	ARCANUM IRON & METAL	OH0017596171	FF Removal	001	8/29/83
05	OH	ASBESTOS BAGS	OH09802071797	Fund Removal	001	4/30/87
05	OH	ATF FIREWORKS	OH0006656397	Fund Removal	001	6/2/84
05	OH	AUTOMATIC CONTAINERS INCORPORATED	OH0980611321	Fund Removal	001	11/19/93
05	OH	AVON LAKE MERCURY SPILL #1	OH000983908	Fund Removal	001	9/26/94
05	OH	AVON LAKE MERCURY SPILL #2	OH0002322465	FF Removal	001	2/12/98
05	OH	B & E LANDFILL	OH0980794648	FF Removal	001	8/11/98
05	OH	BALDAUF LEAD SITE	OH0001889648	FF Removal	001	5/12/97
05	OH	BASSETT STREET WAREHOUSE	OH0987041902	Fund Removal	001	6/1/82
05	OH	BATAVIA DRUMS	OH0987013349	Fund Removal	001	8/6/92
05	OH	BESSIE WILLIAMS LANDFILL	OH0987045085	Fund Removal	001	3/5/92
05	OH	BIG THREE WELDING	OH0986977801	FF Removal	001	7/30/94
05	OH	BOHATY DRUMS	OH0987033743	Fund Removal	001	12/2/93
05	OH	BOLIN OIL	OH000004895	Fund Removal	001	1/15/82
05	OH	BRITE METAL SALT	OH000272732	Fund Removal	001	5/7/92
05	OH	CAREY ELECTRONICS RADIUM SITE	OH000004895	Fund Removal	001	4/18/94
05	OH	CECIL'S TRANSMISSION REPAIR	OH000004895	Fund Removal	001	10/18/93
05	OH	CENTRAL WASTES INC	OH000189277	Fund Removal	001	12/9/98
05	OH	CENTURY 21 PAINT, INCORPORATION	OH000189277	FF Removal	001	5/7/87
05	OH	CHEM-DYNE CORP	OH0051413078	Fund Removal	001	9/7/85
05	OH	CHEM-DYNE CORP	OH0074727793	Fund Removal	001	8/10/98
05	OH	CHEM-DYNE CORP	OH0074727793	Fund Removal	001	12/11/80
05	OH	CHEM-DYNE CORP	OH0074727793	Fund Removal	002	12/12/80
05	OH	CHEM-DYNE CORP	OH0074727793	Fund Removal	003	3/17/82
05	OH	CHEM-DYNE CORP	OH0074727793	Fund Removal	003	4/15/83
05	OH	CHEM-DYNE CORP	OH0982071755	Fund Removal	001	5/6/83
05	OH	CHEMICAL & MINERALS RECLAMATION	OH0980614549	Fund Removal	001	11/4/86
05	OH	CITY BUMPER SITE	OH0987028404	FF Removal	001	12/31/81
05	OH	CLEVELAND COMMERCIAL PLATING	OH0064096472	Fund Removal	002	7/27/98
05	OH	CLEVELAND COMMERCIAL PLATING	OH0064096472	Fund Removal	001	11/2/94
05	OH	CLEVELAND COMMERCIAL PLATING	OH0064096472	Fund Removal	001	1/25/95

05	OH	CLEVELAND CYANIDE DRUM	OHD987034642	Fund Removal	001	12/13/91	12/12/92
05	OH	COLUMBUS AUTO PARTS	OH0000563114	Fund Removal	001	9/29/94	2/21/95
05	OH	COLUMBUS SCRAP	OHD13184348	FF Removal	001	6/10/91	
05	OH	COMMERCIAL OIL SERV INC	OH0000816843	Fund Removal	001	6/7/86	9/15/87
05	OH	COMMERCIAL OIL SERV INC	OH0000816843	Fund Removal	002	2/1/88	6/9/88
05	OH	COPLEY SQUARE PLAZA	OH0000563122	Fund Removal	001	8/22/94	4/1/95
05	OH	COSHOCOTON CITY LDFL	OHD980509830	FF Removal	001	3/30/84	10/11/85
05	OH	CUYAHOGA RIVER DRUM	OHD987046853	Fund Removal	001	11/8/90	4/15/91
05	OH	CUYAHOGA RIVER SPILL	OHD987046861	Fund Removal	001	5/24/91	5/25/91
05	OH	DAYTON CUSTOM POLISHING AND PLATING	OHD987033297	FF Removal	001	12/9/97	7/21/98
05	OH	DAYTON ELECTROPLATE, INC.	OHD004276628	Fund Removal	001	1/3/97	6/18/97
05	OH	DAYTON TIRE & RUBBER CO	OHD003925187	Fund Removal	001	4/3/87	8/6/87
05	OH	DAYTON TIRE & RUBBER CO	OHD003925187	Fund Removal	002	12/7/87	8/6/88
05	OH	DENUNEWEST FALL	OHD986971315	Fund Removal	001	6/23/89	2/19/90
05	OH	DESHLER LEAD	OH001475144	FF Removal	001	12/16/95	8/7/97
05	OH	DIAL SERVICES AND MANUFACTURING	OHD000429803	Fund Removal	001	5/31/94	9/30/94
05	OH	DIVCO SITE	OH0002333821	Fund Removal	001	5/18/86	7/8/86
05	OH	DOVER CHEM CORP	OHD004210563	FF Removal	001	9/3/91	11/12/92
05	OH	DOVER CHEM CORP	OHD004210563	FF Removal	002	11/17/92	9/26/93
05	OH	DYER BROTHERS	OHD079438081	Fund Removal	001	3/23/93	7/19/93
05	OH	EAST 9TH STREET DRUM	OHD987046695	Fund Removal	001	8/11/82	8/11/82
05	OH	EDK IRON WORKS	OHD004176145	Fund Removal	001	5/20/86	6/18/86
05	OH	FEED MATERIALS PRODUCTION CENTER (USDOE)	OHD9890008976	PRP Removal	001	12/17/90	12/19/90
05	OH	FEED MATERIALS PRODUCTION CENTER (USDOE)	OHD9890008976	PRP Removal	002	1/10/91	6/15/92
05	OH	FEED MATERIALS PRODUCTION CENTER (USDOE)	OHD9890008976	PRP Removal	003	2/1/91	4/26/91
05	OH	FEED MATERIALS PRODUCTION CENTER (USDOE)	OHD9890008976	PRP Removal	004	5/6/91	11/15/95
05	OH	FEED MATERIALS PRODUCTION CENTER (USDOE)	OHD9890008976	PRP Removal	005	6/1/91	
05	OH	FEED MATERIALS PRODUCTION CENTER (USDOE)	OHD9890008976	PRP Removal	006	8/16/81	3/1/95
05	OH	FEED MATERIALS PRODUCTION CENTER (USDOE)	OHD9890008976	PRP Removal	007	11/10/91	12/23/91
05	OH	FEED MATERIALS PRODUCTION CENTER (USDOE)	OHD9890008976	PRP Removal	008	11/24/91	11/28/91
05	OH	FEED MATERIALS PRODUCTION CENTER (USDOE)	OHD9890008976	PRP Removal	009	12/20/91	1/8/92
05	OH	FEED MATERIALS PRODUCTION CENTER (USDOE)	OHD9890008976	PRP Removal	010	12/24/91	3/20/92
05	OH	FEED MATERIALS PRODUCTION CENTER (USDOE)	OHD9890008976	PRP Removal	011	1/3/92	3/22/99
05	OH	FEED MATERIALS PRODUCTION CENTER (USDOE)	OHD9890008976	PRP Removal	012	1/8/92	6/24/92
05	OH	FEED MATERIALS PRODUCTION CENTER (USDOE)	OHD9890008976	PRP Removal	013	3/25/92	6/29/92
05	OH	FEED MATERIALS PRODUCTION CENTER (USDOE)	OHD9890008976	PRP Removal	014	4/10/92	7/2/96
05	OH	FEED MATERIALS PRODUCTION CENTER (USDOE)	OHD9890008976	PRP Removal	015	5/20/92	3/30/94
05	OH	FEED MATERIALS PRODUCTION CENTER (USDOE)	OHD9890008976	PRP Removal	016	5/20/92	12/31/94
05	OH	FEED MATERIALS PRODUCTION CENTER (USDOE)	OHD9890008976	PRP Removal	017	5/20/92	12/13/94
05	OH	FEED MATERIALS PRODUCTION CENTER (USDOE)	OHD9890008976	PRP Removal	018	7/8/92	8/30/93
05	OH	FEED MATERIALS PRODUCTION CENTER (USDOE)	OHD9890008976	PRP Removal	019	8/17/92	12/31/92
05	OH	FEED MATERIALS PRODUCTION CENTER (USDOE)	OHD9890008976	PRP Removal	020	9/25/92	
05	OH	FEED MATERIALS PRODUCTION CENTER (USDOE)	OHD9890008976	PRP Removal	021	12/9/92	7/30/93

05	OH	FEED MATERIALS PRODUCTION CENTER (USDOE)	CH6690008976	PRP Removal	022	12/31/82	5/22/97
05	OH	FEED MATERIALS PRODUCTION CENTER (USDOE)	OH6690008976	PRP Removal	023	2/22/83	9/30/93
05	OH	FEED MATERIALS PRODUCTION CENTER (USDOE)	OH6690008976	PRP Removal	024	3/4/83	8/30/93
05	OH	FEED MATERIALS PRODUCTION CENTER (USDOE)	OH6690008976	PRP Removal	025	6/16/83	5/23/97
05	OH	FEED MATERIALS PRODUCTION CENTER (USDOE)	OH6690008976	PRP Removal	026	7/2/83	9/24/93
05	OH	FEED MATERIALS PRODUCTION CENTER (USDOE)	OH6690008976	PRP Removal	027	7/30/83	11/18/94
05	OH	FEED MATERIALS PRODUCTION CENTER (USDOE)	OH6690008976	PRP Removal	028	8/27/83	
05	OH	FEED MATERIALS PRODUCTION CENTER (USDOE)	OH6690008976	PRP Removal	029	9/30/83	10/19/95
05	OH	FEED MATERIALS PRODUCTION CENTER (USDOE)	OH6690008976	PRP Removal	030	4/6/95	12/5/95
05	OH	FORMULATED PRODUCTS	OH000018600	Fund Removal	001	6/14/94	8/17/94
05	OH	FRANKFORD AUTO PARTS	OH000234112	Fund Removal	001	8/8/95	11/30/95
05	OH	G H R FOUNDRY	OH009020133	FF Removal	001	5/22/87	1/6/98
05	OH	GARLAND ROAD LANDFILL	OH0991860545	FF Removal	001	9/29/84	
05	OH	GENEVA CITY DUMP	OH0980611891	FF Removal	001	1/5/88	
05	OH	GENEVA CITY DUMP	OH0980611891	Fund Removal	001	10/5/88	10/16/98
05	OH	GLAZE PLATING	OH098067263	Fund Removal	001	3/7/89	2/7/90
05	OH	GP & K INCORPORATION	OH0079797924	Fund Removal	001	5/31/85	6/10/85
05	OH	GREEN INDUSTRIES	OH0094260709	Fund Removal	001	3/18/86	8/21/87
05	OH	GREENE I LANDFILL	OH0990310101	Fund Removal	002	9/13/83	
05	OH	GREINER'S LAGOONS	OH0980794622	Fund Removal	001	6/13/81	9/24/81
05	OH	GREINER'S LAGOONS	OH0980794622	Fund Removal	002	12/21/81	6/18/82
05	OH	GREINER'S LAGOONS	OH0980794622	Fund Removal	003	5/21/86	7/1/86
05	OH	GREINER'S LAGOONS	OH0980794622	Fund Removal	004	8/19/87	6/10/88
05	OH	GRISWOLD SITE	OH0987035714	Fund Removal	001	4/7/82	12/9/82
05	OH	HANNA CHEMICAL	OH002426138	Fund Removal	001	9/16/88	12/18/88
05	OH	HI-TECH CHROMING	OH0982071748	Fund Removal	001	6/23/86	8/1/86
05	OH	HUTH OIL SERVICE	OH001770389	FF Removal	001	11/13/90	
05	OH	IMHURN DRUM SITE	OH001887454	FF Removal	001	3/24/87	5/13/88
05	OH	INDUSTRIAL EXCESS LDFL	OH000377911	Fund Removal	001	12/2/85	12/31/88
05	OH	INDUSTRIAL EXCESS LDFL	OH000377911	Fund Removal	002	1/3/89	3/31/93
05	OH	INDUSTRIAL PLATING COMPANY	OH0966975050	Fund Removal	001	1/25/91	10/18/91
05	OH	INTEGRITY DRIVE SOUTH DRUM DUMP	OH000592626	Fund Removal	001	2/24/95	6/2/95
05	OH	J C HAYNES LABORATORY	OH0981537509	Fund Removal	001	4/8/85	7/26/85
05	OH	K & S CIRCUITS	OH0982075301	Fund Removal	001	3/23/88	7/1/88
05	OH	K & S CIRCUITS(CLAYTON)	OH0982075301	Fund Removal	001	5/1/89	2/15/90
05	OH	KELLY KOETT INSTRUMENT COMPANY	OH0981993102	Fund Removal	001	7/13/88	2/22/91
05	OH	KING RIVER LIMITED INC.	OH0987043940	FF Removal	001	4/4/84	9/26/95
05	OH	KREICI DUMP	OH0981795074	Fund Removal	001	6/9/87	11/4/88
05	OH	LAKE UNDERGROUND STORAGE	OH001308635	Fund Removal	001	11/30/95	12/18/95
05	OH	LAKE UNDERGROUND STORAGE	OH001308635	Fund Removal	002	4/23/96	5/28/96
05	OH	LAMMARS BARREL FACTORY	OH0981537582	Fund Removal	001	11/22/85	1/8/86
05	OH	LANCASTER TIRE FIRE SITE	OH0986981173	Fund Removal	001	5/14/80	5/16/80
05	OH	LASKINPOPLAR OIL	OH0061722211	FF Removal	001	10/7/85	2/4/85

05	OH	OHIO DRUM RECONDITIONING	OHD017757303	001	1/18/99	1/18/99
05	OH	OHIO DRUM RECONDITIONING	OHD017757303	001	6/12/96	6/12/96
05	OH	OHIO DRUM RECONDITIONING	OHD017757303	001	6/12/96	6/12/96
05	OH	OLD KENT CITY DUMP	OHD981795560	001	7/6/93	12/30/94
05	OH	OLD KENT CITY DUMP	OHD981795560	001	6/11/92	3/12/93
05	OH	OLD MILL	OHD980510200	001	1/8/81	10/18/82
05	OH	OLD MILL	OHD980510200	002	7/19/82	1/12/82
05	OH	OLD MILL	OHD980510200	003	3/18/84	4/16/84
05	OH	ORBITRON INDUSTRIES	OHD992220626	001	10/13/94	3/21/95
05	OH	PAINSVILLE ASBESTOS DUMPING	OHD987045077	001	7/24/92	8/6/92
05	OH	PANDORA DRY CLEANING & LAUNDRY	OHD981786304	001	5/14/91	5/11/92
05	OH	PETROLEUM & POWER MAINTENANCE	OHD021630051	001	9/10/86	4/23/87
05	OH	PRESTO CHEMICAL CORPORATION	OHD987036076	001	8/25/92	3/26/93
05	OH	PRESTO CHEMICAL CORPORATION	OHD987036076	002	2/10/96	2/12/98
05	OH	PRISTINE INC	OHD076773712	001	4/4/85	6/1/85
05	OH	PROSPECT	OHD987026499	001	1/28/92	1/30/92
05	OH	PRUITT & GRACE	OHD980971372	001	11/12/91	11/17/92
05	OH	RARDEN TIRE FIRE	OHD002271006	001	1/4/93	18/98
05	OH	RASER TANNING COMPANY	OHD980684526	001	10/5/81	1/24/82
05	OH	REILLY TAR & CHEMICAL CORP (DOVER PLANT)	OHD980610042	001	9/7/88	11/1/88
05	OH	REILLY TAR & CHEMICAL CORP (DOVER PLANT)	OHD980610042	002	5/18/90	8/1/90
05	OH	RELIABLE FLATING COMPANY	OHD063701841	001	3/31/88	9/1/88
05	OH	REPUBLIC HOSE MFG	OHD093931038	001	4/29/85	9/5/86
05	OH	REPUBLIC STEEL QUARRY	OHD980903447	001	2/14/90	1/19/90
05	OH	RICKENBACKER AIR NATIONAL GUARD BASE	OH3571924544	001	8/8/95	8/1/96
05	OH	ROBERT STEAM SPECIALTY COMPANY	OHD98682940	001	7/17/90	2/12/91
05	OH	SEAWAY WOODS OLD WAREHOUSE	OHD982071730	001	6/5/84	7/17/84
05	OH	SHEFFIELD LAKE	OHD981046679	001	10/23/90	1/2/91
05	OH	SHELBY STANDARD	OHD000114140	001	1/14/94	4/17/94
05	OH	SHELL CHEMICAL COMPANY MARIETTA PLANT	OHD004343117	001	5/27/94	10/10/97
05	OH	SHERRINGTON SCRAP RADIATION	OHD000337295	001	4/1/91	10/10/97
05	OH	SHIELDALLOY METALLURGICAL CORPORATION	OHD042319244	001	4/21/83	7/21/83
05	OH	SKILJAN RESIDENCE/DIAL SERVICE MFG COMPANY	OHD980679237	001	5/61/94	5/6/85
05	OH	SKILJAN RESIDENCE/DIAL SERVICE MFG COMPANY	OHD980679237	002	3/26/94	3/26/98
05	OH	SOLAR USAGE, INCORPORATED	OHD000928117	001	2/27/88	11/26/97
05	OH	SPANGLER PAVING SITE	OHD002264653	001	10/28/97	12/22/97
05	OH	SPRINGFIELD MERCURY SITE	OHD00205940	001	12/10/97	12/22/97
05	OH	STICKLE DRUM SITE	OHD00205940	001	7/23/91	9/25/87
05	OH	STICKNEY AVENUE LANDFILL AKA TOLEDO CITY LANDFILL	OHD000605956	001	3/10/87	5/3/91
05	OH	SUMMIT EQUIPMENT & SUPPLIES INCORPORATION	OHD05523401	001	12/11/80	12/2/81
05	OH	SUMMIT EQUIPMENT & SUPPLIES INCORPORATION	OHD05523401	002	3/26/87	5/19/88
05	OH	SUMMIT EQUIPMENT & SUPPLIES INCORPORATION	OHD05523401	001		
05	OH	SUMMIT NATIONAL LIQUID DISPOSAL SERVICE	OHD980609994	001		
05	OH	SUMMIT NATIONAL LIQUID DISPOSAL SERVICE	OHD980609994	002		

05	OH	OH	SUMMIT NATIONAL LIQUID DISPOSAL SERVICE	OH0980609894	Fund Removal	003	6/15/89	6/17/89
05	OH	OH	SWIFT COMPANY	OH0987015528	Fund Removal	001	4/6/91	4/1/92
05	OH	OH	T P LONG CHEM INC	OH0017926189	Fund Removal	001	9/3/82	12/14/82
05	OH	OH	TAYLOR STONE COMPANY	OH0987038791	Fund Removal	001	8/24/92	10/29/92
05	OH	OH	TIGER METAL SERVICES INCORPORATED	OH0004294825	FF Removal	001	3/15/97	9/18/98
05	OH	OH	TIGER METAL SERVICES INCORPORATED	OH0004294825	FF Removal	001	12/12/83	4/12/94
05	OH	OH	TOLEDO PLATE & WINDOW GLASS	OH0005035670	Fund Removal	001	5/4/92	10/26/92
05	OH	OH	TOLEDO TIE TREATMENT PLANT	OH0987049202	FF Removal	001	1/27/88	
05	OH	OH	TRI-STATE PLATING	OH0981092895	Fund Removal	001	12/6/83	
05	OH	OH	TRI-STATE TANK CLEANING INCORPORATED	OH0009841214	Fund Removal	001	7/16/83	1/17/94
05	OH	OH	TROY RAILROAD SITE	OH0981537574	FF Removal	001	6/30/86	10/15/87
05	OH	OH	TROY RAILROAD SITE	OH0004166740	FF Removal	001	11/17/87	
05	OH	OH	TURNER PHARMACY	OH0980507792	FF Removal	001	2/4/99	
05	OH	OH	TURNER PHARMACY	OH0980507792	FF Removal	001	2/27/98	
05	OH	OH	TYLER STREET DUMP	OH0980612147	FF Removal	001	3/4/87	
05	OH	OH	UNION CARBIDE CORPORATION SITE B LANDFILL	OH0018392928	FF Removal	001	1/13/92	3/25/92
05	OH	OH	UNION CARBIDE CORPORATION SITE B LANDFILL	OH0018392928	Fund Removal	001	11/22/85	9/30/86
05	OH	OH	UNITED SCRAP LEAD CO. INC.	OH7571724312	PRP Removal	001	12/31/88	12/31/89
05	OH	OH	UNITED SCRAP LEAD CO. INC.	OH7571724312	PRP Removal	002	12/10/81	12/31/92
05	OH	OH	US AIR FORCE WRIGHT-PATTERSON AFB	OH7571724312	PRP Removal	003	11/1/92	
05	OH	OH	US AIR FORCE WRIGHT-PATTERSON AFB	OH7571724312	PRP Removal	004	11/3/92	12/31/92
05	OH	OH	US AIR FORCE WRIGHT-PATTERSON AFB	OH7571724312	PRP Removal	005	1/23/92	5/31/92
05	OH	OH	US AIR FORCE WRIGHT-PATTERSON AFB	OH7571724312	PRP Removal	006	3/17/92	5/13/92
05	OH	OH	US AIR FORCE WRIGHT-PATTERSON AFB	OH7571724312	PRP Removal	007	6/11/92	10/3/94
05	OH	OH	US AIR FORCE WRIGHT-PATTERSON AFB	OH7571724312	PRP Removal	008	3/9/91	3/9/91
05	OH	OH	US AIR FORCE WRIGHT-PATTERSON AFB	OH7571724312	PRP Removal	009	10/6/92	12/31/93
05	OH	OH	US AIR FORCE WRIGHT-PATTERSON AFB	OH7571724312	PRP Removal	010	4/3/85	8/9/86
05	OH	OH	US AIR FORCE WRIGHT-PATTERSON AFB	OH7571724312	PRP Removal	011	9/19/96	5/27/98
05	OH	OH	US AIR FORCE WRIGHT-PATTERSON AFB	OH7571724312	PRP Removal	012	6/6/97	10/15/97
05	OH	OH	US AIR FORCE WRIGHT-PATTERSON AFB	OH7571724312	PRP Removal	013	6/24/96	7/10/98
05	OH	OH	US AIR FORCE WRIGHT-PATTERSON AFB	OH7571724312	PRP Removal	015	10/24/97	6/2/98
05	OH	OH	US AIR FORCE WRIGHT-PATTERSON AFB	OH7571724312	PRP Removal	016	3/23/96	8/15/97
05	OH	OH	US AIR FORCE WRIGHT-PATTERSON AFB	OH7571724312	PRP Removal	017	8/28/97	7/6/98
05	OH	OH	US DOE MOUND PLANT	OH6890009894	PRP Removal	001	9/15/95	10/1/96
05	OH	OH	USCG BASE	OH6890009894	PRP Removal	002	10/28/96	
05	OH	OH	WADE PARK CHEMICAL	OH6690311042	Fund Removal	001	9/30/90	9/30/90
05	OH	OH	XXKEM COMPANY, INC SITE	OH098024924	Fund Removal	001	2/14/83	4/18/83
05	OH	OH	ZIEDRICH DUMP	OH0980598804	Fund Removal	001	1/19/93	5/11/93
05	WI	WI	A-1 BUMPER	OH0981093115	FF Removal	001	1/8/90	12/16/91
05	WI	WI	ALLIS CHALMERS DUPONT LANDFILL	WI0982071839	Fund Removal	001	12/1/92	7/9/93
05	WI	WI	ALLIS CHALMERS DUPONT LANDFILL	WI0982071839	Fund Removal	001	1/31/85	2/8/85
05	WI	WI	ALPHA CAST II	WI0986857731	Fund Removal	001	8/22/92	8/12/93
05	WI	WI	ALPHA CAST, INCORPORATION	WI052815446	Fund Removal	001	7/13/88	2/23/89

05	WI	B&B AUTO YARD	WI0000272807	Fund Removal	001	11/1/85	11/1/85
05	WI	BEAVER WRECKING & SALVAGE BEAVER DAM	WI0000272765	Fund Removal	001	5/22/86	5/22/86
05	WI	BETTER BRITE III/CHIPPEWA FALLS	WI0576117158	Fund Removal	001	4/1/86	4/1/86
05	WI	BETTER BRITE III/CHIPPEWA FALLS	WI0576117158	Fund Removal	002	9/18/87	11/12/87
05	WI	BETTER BRITE PLATING CHROME & ZINC	WIT560010118	Fund Removal	001	11/8/85	12/18/85
05	WI	BETTER BRITE PLATING CHROME & ZINC	WIT560010118	Fund Removal	002	11/14/89	10/22/93
05	WI	BETTER BRITE PLATING CHROME & ZINC	WIT560010118	Fund Removal	003	11/15/89	11/23/91
05	WI	BUSHER TIRE	WID15295485	Fund Removal	001	11/16/90	1/28/92
05	WI	C-WAY INC	WID981000961	Fund Removal	001	11/15/84	11/26/84
05	WI	CHEM SCIENCE	WID981525684	Fund Removal	001	4/6/87	3/10/88
05	WI	CUSTOM PLATING AND POLISHING COMPANY	WID98565525	Fund Removal	001	5/22/85	4/12/86
05	WI	DOBERSTEIN LUMBER & FENCE	WID023345333	Fund Removal	001	8/25/82	3/18/83
05	WI	DOBERSTEIN LUMBER & FENCE	WID989820054	Fund Removal	001	12/29/87	
05	WI	EAU CLAIRE MUNI WELL FIELD	WID0002327807	Fund Removal	001	9/15/88	10/24/88
05	WI	FALL CREEK RAVINE	WID000855478	Fund Removal	001	7/22/85	4/29/86
05	WI	FORMER PETROLEUM CONSERVATION INC TANK	WID001407717	Fund Removal	001	7/29/86	9/30/88
05	WI	FORMER TANNERY	WID00609286	Fund Removal	001	3/10/87	
05	WI	FROST MANUFACTURING COMPANY	WID00609286	FF Removal	001	12/12/84	1/7/85
05	WI	GEUDER PARSCHKE & FRYE CO GPF	WID001909881	FF Removal	001	7/22/87	9/17/88
05	WI	GRAFTON WISCONSIN RESIDENTIAL WELL CONTAMINATION	WID001909881	Fund Removal	001	5/8/87	12/26/87
05	WI	GRAFTON WISCONSIN RESIDENTIAL WELL CONTAMINATION	WID988626560	Fund Removal	001	7/28/84	9/29/84
05	WI	HAWTHORNE MELODY	WID988570881	Fund Removal	001	8/16/89	2/13/92
05	WI	J.K. DRUM	WID988570881	Fund Removal	002	7/25/80	2/12/82
05	WI	J.K. DRUM	WID988570881	Fund Removal	001	9/23/82	2/5/84
05	WI	KASSON CHEESE SITE	WID988574257	Fund Removal	001	7/28/84	5/19/85
05	WI	KENOSHA IRON AND METAL	WID00002436	FF Removal	001	5/13/84	9/28/84
05	WI	KENOSHA TRAILER	WID988566220	Fund Removal	001	6/27/88	7/21/88
05	WI	LAKENWOOD STATION	WID988566220	FF Removal	001	7/15/83	10/22/86
05	WI	LEMBERGER TRANSPORT & RECYCLING INC	WID020467783	Fund Removal	001	8/28/87	11/18/87
05	WI	LUBRICANTS INCORPORATION	WID006070114	Fund Removal	001	6/3/87	9/24/87
05	WI	MALLABLE IRON RANGE	WID006070114	Fund Removal	001	7/20/86	
05	WI	MARINA CLIFFS BARREL DUMP	WID981180186	Fund Removal	001	1/16/82	8/7/82
05	WI	MARVIN PROCKNOW, CEDARBURG LANDFILL	WID981180186	Fund Removal	001	1/12/80	10/24/81
05	WI	MR CHROME DELTED PLANT	WID988575858	Fund Removal	001	10/12/84	
05	WI	MURRAY MACHINERY INCORPORATED	WID988539650	Fund Removal	001	4/3/81	
05	WI	MUSKEGO SANITARY LANDFILL	WID000713160	FF Removal	001	4/3/81	
05	WI	NATIONAL PRESTO INDUSTRIES	WID006196174	FF Removal	001	5/5/89	9/19/84
05	WI	NATIONAL PRESTO INDUSTRIES	WID006196174	FF Removal	002	10/15/83	
05	WI	NATIONAL PRESTO INDUSTRIES	WID006196174	FF Removal	004	9/30/88	
05	WI	NATIONAL PRESTO INDUSTRIES	WID083200881	Fund Removal	001	7/30/91	8/12/81
05	WI	NW MAUTHE COMPANY, INC.	WID086100275	Fund Removal	001	7/20/87	7/22/87
05	WI	OCONOMOC ELECTROPLATING CO INC	WID006100275	Fund Removal	002	4/27/81	11/5/82
05	WI	PENTA WOOD PRODUCTS INCORPORATED	WID006176945	Fund Removal	001	4/4/84	5/17/86
05	WI	PETROLEUM CONSTRUCTION, INC.	WID981795851	Fund Removal	001	7/31/85	4/29/86

05	WI	R-WAY FURNITURE SITE	FF Removal	001	2/22/99	10/17/86
05	WI	R-WAY FURNITURE SITE	Fund Removal	001	2/22/99	5/20/87
05	WI	RIVERSIDE PLATING CO INC	Fund Removal	001	3/28/95	7/22/85
05	WI	ROCK PAINT & CHEM CO	Fund Removal	001	7/17/89	4/25/91
05	WI	ROCK PAINT & CHEM CO	Fund Removal	001	6/11/91	12/2/92
05	WI	ROCKVALE PLATING	Fund Removal	002	11/2/90	2/14/81
05	WI	ROGERS LABORATORY	Fund Removal	001	9/15/83	1/14/83
05	WI	ROGERS LABORATORY	Fund Removal	002	5/17/90	3/18/94
05	WI	ROSEN METAL INC/PHOENIX METALS	Fund Removal	001	2/17/83	
05	WI	ROSEN METALS/KEN LEE PROPERTY	Fund Removal	001	1/15/85	
05	WI	RUEPING LEATHER COMPANY	Fund Removal	001	10/17/86	
05	WI	RUEPING LEATHER COMPANY	Fund Removal	002	1/22/87	
05	WI	SCHMALZ DUMP	Fund Removal	001	7/11/85	
05	WI	SCHMIDT HOLE NO 2	Fund Removal	001	6/29/89	
05	WI	SCHNEIDER AE & SON	Fund Removal	001	12/6/83	6/24/94
05	WI	SCRAP PROCESSING COMPANY, INC.	Fund Removal	001	9/7/83	12/22/94
05	WI	SHEBOGAN HARBOR & RIVER	FF Removal	001	12/12/90	12/6/91
05	WI	SOLAR PAINTS VARNISH, INCORPORATED	FF Removal	001	8/14/95	12/8/95
05	WI	SOUTHERN LAKES TRAP & SKEET CLUB	Fund Removal	001	10/14/66	7/29/87
05	WI	SPECTRA CHEMICAL INC	Fund Removal	001	12/20/85	2/1/86
05	WI	TOWNSHIP OF GRAFTON WELL CONTAMINATION	FF Removal	001	9/28/88	
05	WI	TOWNSHIP OF GRAFTON WELL CONTAMINATION	Fund Removal	001	2/6/88	12/1/88
05	WI	TRY CHEMICAL CORPORATION	Fund Removal	001	11/16/87	5/25/88
05	WI	WALSAU GROUNDWATER CONTAMINATION	Fund Removal	001	6/19/84	11/11/84
05	WI	WCL DERAILMENT	FF Removal	001	3/4/86	
06	AR	WEST BEND PLATING	Fund Removal	001	9/26/87	10/23/97
06	AR	ALLEN TRANSFORMER	Fund Removal	001	3/12/86	4/9/87
06	AR	ARKANSAS MP SITES	Fund Removal	001	5/5/97	8/30/98
06	AR	ARKWOOD, INC.	FF Removal	001	8/12/87	8/13/87
06	AR	BATESVILLE RUBBER FIRE SITE	Fund Removal	001	4/1/87	4/7/87
06	AR	BENTON SALVAGE	FF Removal	001	9/25/85	10/8/85
06	AR	BENTON SALVAGE	FF Removal	002	5/23/91	5/31/91
06	AR	BPS, INC.	Fund Removal	001	10/21/86	5/15/97
06	AR	COTTON PLANT DRUM WAREHOUSE	Fund Removal	001	5/8/97	5/23/97
06	AR	DIVERSITECH GENERAL INC.	Fund Removal	001	3/22/90	1/28/92
06	AR	ELLIOTT'S AUTO PARTS	Fund Removal	001	4/1/87	4/7/87
06	AR	ELLIOTT'S AUTO PARTS	FF Removal	001	9/23/85	10/12/85
06	AR	GRAMLICH RESIDENCE SITE	FF Removal	002	11/27/91	11/23/92
06	AR	GREENS PCB DRUM SITE	Fund Removal	001	7/6/88	11/16/88
06	AR	GRIFFING RAILWAY	Fund Removal	001	5/5/87	6/12/87
06	AR	GURLEY PIT	Fund Removal	001	9/21/94	9/23/94
06	AR	HADCO OF ARKANSAS ONC	FF Removal	001	4/19/84	5/8/84
06	AR	HADCO OF ARKANSAS ONC	Fund Removal	001	12/15/92	

06	AR	HOT SPRINGS MERCURY	ARD000007870	Fund Removal	001	9/10/97	12/23/97
06	AR	JACKSONVILLE CRANE SITE	ARD980306362	Fund Removal	001	4/2/89	5/6/86
06	AR	LEACHVILLE RESIDENTIAL AREAS	AR00002100446	FF Removal	001	1/15/98	5/27/96
06	AR	LEACHVILLE METAL PLATING	AR0000012855	Fund Removal	001	9/7/94	9/12/94
06	AR	LEACHVILLE METAL PLATING	AR0000012855	Fund Removal	002	3/6/99	
06	AR	MACMILLAN RING FREE OIL CO INC	ARD000049207	Fund Removal	001	11/16/92	8/17/93
06	AR	MACMILLAN RING FREE OIL CO INC	ARD000049207	Fund Removal	002	12/12/93	1/14/94
06	AR	MACMILLAN RING FREE OIL CO INC	ARD000049207	Fund Removal	003	3/14/94	6/28/97
06	AR	MID-SOUTH TIRE FIRE	ARD0002409373	Fund Removal	001	7/14/88	
06	AR	MOUNTAIN PINE PRESSURE TREATING	ARD004959826	Fund Removal	001	12/11/87	4/13/86
06	AR	MOUNTAIN PINE PRESSURE TREATING	ARD04959826	Fund Removal	002	3/20/90	2/5/81
06	AR	MOUNTAIN PINE PRESSURE TREATING	ARD04959826	Fund Removal	003	3/7/94	4/2/84
06	AR	MOUNTAIN PINE PRESSURE TREATING	ARD04959826	Fund Removal	001	12/7/87	12/15/87
06	AR	OLD HENLEY OIL REPROCESSING CO	ARD981051766	Fund Removal	002	10/31/88	3/10/91
06	AR	OLD HENLEY OIL REPROCESSING CO	ARD000052508	Fund Removal	001	9/4/90	8/1/91
06	AR	POPILIE, INC	ARD0008032508	Fund Removal	002	2/7/94	2/8/94
06	AR	POPILIE, INC	ARD0051961829	Fund Removal	001	1/20/99	
06	AR	R & P ELECTROPLATING	ARD980496723	FF Removal	001	6/15/92	9/2/92
06	AR	SOUTH 8TH STREET LANDFILL	ARD980496723	Fund Removal	002	10/20/92	11/11/92
06	AR	SOUTH 8TH STREET LANDFILL	ARD002263275	Fund Removal	001	12/31/97	3/11/96
06	AR	TEXARKANA MERCURY	ARD000073440	FF Removal	001	12/18/96	2/4/87
06	AR	VERTAC, INC	ARD000073440	FF Removal	002	9/14/88	6/20/89
06	AR	VERTAC, INC	ARD000073440	Fund Removal	001	1/26/87	6/30/93
06	AR	VERTAC, INC	ARD000023440	Fund Removal	002	1/10/90	2/28/97
06	AR	VERTAC, INC	ARD000023440	Fund Removal	003	9/10/93	9/12/93
06	AR	WEATHERFORD RESIDENCE	ARD983266347	Fund Removal	001	4/20/89	6/14/89
06	LA	11TH STREET DRUM	LA0001906569	Fund Removal	001	4/2/98	9/29/98
06	LA	AGRICULTURE STREET LANDFILL	LAD981056997	Fund Removal	001	2/6/95	3/7/95
06	LA	AGRICULTURE STREET LANDFILL	LAD981056997	Fund Removal	002	3/7/94	1/23/95
06	LA	AGRICULTURE STREET LANDFILL	LAD981056997	Fund Removal	003	3/6/96	3/8/96
06	LA	AGRICULTURE STREET LANDFILL	LAD981056997	Fund Removal	004	10/19/98	
06	LA	AGRICULTURE STREET LANDFILL	LAD981056997	Fund Removal	005	10/19/98	
06	LA	AMERICAN CREGSOTE WORKS, INC (WINNFIELD)	LAD000239814	FF Removal	001	6/6/98	9/15/86
06	LA	AMERICAN CREGSOTE WORKS, INC (WINNFIELD)	LAD000239814	Fund Removal	001	4/4/88	5/24/88
06	LA	AMERICAN CREGSOTE WORKS, INC (WINNFIELD)	LAD000239814	Fund Removal	002	5/1/88	6/5/88
06	LA	AMERICAN CREGSOTE WORKS, INC (WINNFIELD)	LAD000239814	Fund Removal	003	4/10/89	8/6/89
06	LA	AMERICAN CREGSOTE WORKS, INC (WINNFIELD)	LAD000239814	Fund Removal	004	10/19/93	1/30/94
06	LA	AMERICAN CREGSOTE WORKS, INC (WINNFIELD)	LAD000239814	Fund Removal	001	12/14/92	10/28/93
06	LA	ANN T. KLINE PROPERTY	LAD985221308	Fund Removal	001	5/10/96	6/5/96
06	LA	ANTIFREEZE, INC.	LAD0002004136	Fund Removal	001	1/12/98	4/8/98
06	LA	ANTIFREEZE, INC.	LAD981145550	Fund Removal	002	5/17/83	6/27/83
06	LA	BARGE STAR 7	LAD980745632	FF Removal	001	7/15/85	8/15/85
06	LA	BAYOU BONFOUCA					

06	LA	BAYOU CASTINE DRUMS	LAD985220664	Fund Removal	001	6/15/90	6/15/90
06	LA	BROUSSARD CHEMICAL CO.	LA0001187491	Fund Removal	001	6/28/95	6/28/95
06	LA	BROUSSARD CHEMICAL CO.	LA0001187491	Fund Removal	002	3/25/96	4/7/98
06	LA	CALCASIEU RIVER	LAD985220655	Fund Removal	001	6/7/90	6/7/90
06	LA	CENTRAL WOOD PRESERVING COMPANY	LAD0081871940	Fund Removal	001	4/24/95	9/18/95
06	LA	CLEARWATER FLUIDS RECYCLING INC.	LA0000383075	Fund Removal	001	7/11/84	8/30/95
06	LA	CLEARWATER FLUIDS RECYCLING INC.	LA0000383075	Fund Removal	002	4/7/98	7/29/98
06	LA	CLEVE REBER	LAD980501458	Fund Removal	001	7/29/83	7/29/83
06	LA	COMBUSTION, INC	LAD072606627	FF Removal	001	11/3/92	11/24/93
06	LA	D.L. MUD, INC	LAD981058019	FF Removal	001	4/4/87	8/31/87
06	LA	DELATTE METALS	LAD032510344	Fund Removal	001	9/9/88	
06	LA	DUTCHTOWN TREATMENT PLANT	LAD980879449	FF Removal	001	9/28/89	10/5/91
06	LA	DUTCHTOWN TREATMENT PLANT	LAD980879449	Fund Removal	001	5/20/88	9/28/89
06	LA	EMPIRE	LAD985169589	Fund Removal	001	6/29/89	
06	LA	EMPIRE	LAD985169589	Fund Removal	002	8/15/91	5/15/92
06	LA	ENGLAND AIR FORCE BASE	LA957212462	PPP Removal	002	7/24/96	10/1/96
06	LA	FLORIDA AVENUE WHARF SITE	LAD980880199	FF Removal	001	10/30/84	11/27/84
06	LA	GLENMORA CREOSOTING	LAD985169566	Fund Removal	001	3/13/95	9/28/95
06	LA	GULF COAST VACUUM SERVICES	LAD980750137	Fund Removal	001	3/21/90	5/25/90
06	LA	GULF COAST VACUUM SERVICES	LAD980750137	Fund Removal	002	2/13/91	3/4/91
06	LA	GUTHRIE OIL	LAD980750137	Fund Removal	003	4/6/92	4/15/92
06	LA	HBM RIVER PLANT	LAD980750152	Fund Removal	001	4/27/88	5/7/88
06	LA	HIGHWAY 7172 REFINERY	LA0000280628	FF Removal	001	5/16/84	7/20/84
06	LA	HIGHWAY 7172 REFINERY	LAD981054075	FF Removal	001	7/31/96	
06	LA	HILLSDALE DRUMS	LAD981054075	FF Removal	002	1/11/87	
06	LA	HILLSDALE DRUMS	LAD985214766	Fund Removal	001	2/14/92	6/30/92
06	LA	INDUSTRIAL CANAL	LAD985214766	Fund Removal	002	7/6/92	11/14/92
06	LA	JOHN KENNEDY HIGH SCHOOL	LAD985169663	Fund Removal	001	4/26/89	8/3/89
06	LA	L & T TRUCKING	LAD985219552	Fund Removal	001	12/14/86	1/12/88
06	LA	LINCOLN CREOSOTE	LA0001408616	Fund Removal	001	10/28/96	2/28/97
06	LA	LOUISIANA OIL RECYCLE & REUSE	LAD981060429	FF Removal	001	5/16/96	11/6/96
06	LA	LOUISIANA VACUUM SERVICE	LAD985219581	Fund Removal	001	4/13/88	6/24/88
06	LA	MADISONVILLE CREOSOTE WORKS, INC	LAD980812804	Fund Removal	001	10/2/89	2/14/90
06	LA	MAIN PRO DRUM SITE	LAD981522988	Fund Removal	001	9/23/86	1/8/87
06	LA	MALTER INTERNATIONAL	LAD985170538	Fund Removal	001	3/12/90	6/27/90
06	LA	MALTER INTERNATIONAL	LAD008198871	Fund Removal	001	4/22/91	2/24/92
06	LA	MARCO OF IOTA	LAD008198871	Fund Removal	002	1/18/94	3/15/94
06	LA	MARCO OF IOTA	LAD980624514	Fund Removal	001	3/8/92	6/30/92
06	LA	MARION PRESSURE TREATING COMPANY	LAD980624514	Fund Removal	002	7/20/92	7/4/94
06	LA	MESH PLASTICS	LAD008473142	Fund Removal	001	9/16/96	3/24/97
06	LA	NEW ORLEANS AREA PARATHION SITES	LA0001992643	Fund Removal	001	11/7/87	12/7/87
06	LA	OLD INGER OIL REFINERY	LA0001738756	Fund Removal	001	12/17/86	
06	LA	OLD INGER OIL REFINERY	LAD980745533	Fund Removal	001	4/14/83	6/12/83

06	LA	OLD INGER OIL REFINERY	LAD980746533	002	7/14/83	7/18/83
06	LA	OLD INGER OIL REFINERY	LAD980745533	003	5/7/85	5/10/85
06	LA	OLD INGER OIL REFINERY	LAD980745533	004	11/9/85	11/14/85
06	LA	OLD INGER OIL REFINERY	LAD980745533	005	8/23/88	8/26/88
06	LA	PAB OIL & CHEMICAL SERVICE, INC.	LAD980749139	001	10/9/91	9/30/95
06	LA	PATTERSON-EDMONSON CONSTRUCTION CO. PITS	LAD985202399	001	8/1/91	8/1/91
06	LA	PATTERSON-EDMONSON CONSTRUCTION CO. PITS	LAD985202399	002	8/5/91	2/25/92
06	LA	PONCHATOULA BATTERY COMPANY	LAD002644232	001	6/14/86	9/26/97
06	LA	RED RIVER TREATING CO.	LAD985171305	001	8/27/80	8/6/91
06	LA	RICHLAND OIL SALVAGE, INC.	LA0001543798	001	10/7/87	11/11/87
06	LA	SEAWALL	LAD985189671	001	7/10/89	7/10/89
06	LA	SOUTHERN SHIPBUILDING	LAD008149015	001	7/26/83	9/3/93
06	LA	SOUTHERN SHIPBUILDING	LAD008149015	003	11/28/94	5/25/95
06	LA	SOUTHERN SHIPBUILDING	LAD008149015	004	3/27/95	9/10/97
06	LA	SOUTHERN SHIPBUILDING	LAD981054091	001	6/12/85	6/13/85
06	LA	STONEWALL DRUG DUMP	LAD981054091	001	9/18/90	5/12/92
06	LA	T/B GAIL L	LA000187518	001	11/3/88	
06	LA	TALLEN'S LANDING BULK PLANT	LAD0081548966	001	2/1/90	
06	LA	TENNESSEE GAS PIPELINE-NATCHITOCHES	LAD0081548966	001	5/4/85	8/21/85
06	LA	TIGER MARINE	LAD980501787	001	1/24/84	2/3/84
06	LA	W.J.OIL CO	LAD985170711	001	10/14/98	
06	LA	WESTBANK ASBESTOS	NMD980750111	001	3/11/82	3/13/82
06	NM	ARGENT CORPORATION	NMD980622864	001	4/22/99	
06	NM	AT&SF (ALBUQUERQUE)	NMD981912389	001	7/5/90	6/26/91
06	NM	BILLING SMELTER	NMD986667392	001	5/3/89	5/2/90
06	NM	CARNIUE-DEADMAN'S CURVE	NMD980749378	001	8/11/87	8/31/87
06	NM	CIMARRON MINING CORP	NMD980749378	002	7/15/91	5/28/92
06	NM	CIMARRON MINING CORP	NMD980749378	001	9/8/87	12/10/88
06	NM	CLEVELAND MILL	NMD981155930	001	9/27/93	5/26/94
06	NM	CUBA SMELTER SITE	NMD986668457	001	9/25/90	3/22/94
06	NM	FRUITLAND DRUM SITE	NMD986667731	001	8/24/94	11/12/94
06	NM	HEARST MILL	NMD000037408	001	7/8/92	7/8/93
06	NM	KING SALES COMPANY	NMD984287954	001	11/5/86	12/24/86
06	NM	LEE ACRES LANDFILL (USDOL)	NMD980750020	001	12/15/96	12/17/96
06	NM	LEE ACRES LANDFILL (USDOL)	NMD980750020	002	10/3/96	10/3/97
06	NM	MAMMOTH MILL	NMD000109716	001	1/31/84	2/5/84
06	NM	MESSA OIL CO	NMD007109085	001	8/28/89	4/8/90
06	NM	NAVAJO SHIPROCK DRUM SITE	NMD980780169	001	8/10/88	9/4/88
06	NM	OJO CALIENTE DIP VAT	NMD000666131	001	6/21/89	6/18/90
06	NM	PAGANO SALVAGE	NMD980749890	001	7/24/89	4/18/90
06	NM	PREWITT ABANDONED REFINERY	NMD980622773	001	9/12/83	9/18/83
06	NM	PRONTO SERVICE B & B AUTO SALE	NMD000332916	001	2/20/91	1/20/92
06	NM	SERVICE CIRCUITS, INC	NMD007108558	001	3/16/88	4/26/88
06	NM	SOUTH VALLEY	NMD980745558	001		

06	NM	OK	SPRINGER WOOD TREATER	NMD981147218	001	8/15/88	6/18/89
06	NM	OK	STEPHENSON - BENNETT MINE	NMD98664231	001	10/1/87	1/17/88
06	OK	OK	AUTOMATION TECHNIQUES INC.	OKD98764617	001	7/23/90	3/1/91
06	OK	OK	BISON TRANSFORMERS	OKD987094620	001	7/10/82	9/30/82
06	OK	OK	CATCOOSA	OKD987097631	001	5/4/83	5/6/83
06	OK	OK	COMPASS INDUSTRIES (AVERY DRIVE)	OKD986820983	001	5/26/88	6/29/88
06	OK	OK	COYLE DRUMS	OKD987067758	001	4/9/90	7/28/90
06	OK	OK	DELOZIER TANK FARM	OKD001322567	001	11/5/96	12/13/96
06	OK	OK	DOUBLE EAGLE REFINERY CO	OKD007188717	001	1/23/89	2/16/89
06	OK	OK	DOUBLE EAGLE REFINERY CO	OKD007188717	001	3/29/84	4/3/84
06	OK	OK	DUNCAN TRANSFORMER	OKD980685918	001	7/18/84	8/31/84
06	OK	OK	EAGLE-PICHER HENRYETTA	OKD980685785	001	8/10/86	
06	OK	OK	FARMAN FARM SITE	OKD980748438	001	9/6/94	12/20/94
06	OK	OK	FOURTH STREET ABANDONED REFINERY	OKD980686470	001	9/5/89	9/27/89
06	OK	OK	GRAY AG-AIR SITE	OKD001911155	001	6/28/87	9/13/87
06	OK	OK	HADDOCK AIRPORT	OKD980688023	001	2/4/85	2/5/85
06	OK	OK	HARDAGE/CRINER	OKD000400093	001	9/23/87	11/3/87
06	OK	OK	HARDAGE/CRINER	OKD000400093	002	3/16/88	3/31/88
06	OK	OK	HUDSON OIL REFINING CO INC	OKD082471988	001	9/16/88	
06	OK	OK	JACK DENNIS PESTICIDE BURN SITE	OKD980686884	001	10/25/82	11/4/82
06	OK	OK	JACK DENNIS PESTICIDE BURN SITE	OKD980686884	002	3/16/83	3/16/83
06	OK	OK	KEM WEED CONTROL	OKD987079860	001	1/14/80	11/16/80
06	OK	OK	LIMESTONE LANDFILL FIRE	OKD987079860	002	2/12/92	4/23/92
06	OK	OK	MILL CREEK DRUMS	OKSFN6005149	001	10/8/98	
06	OK	OK	NATIONAL ZINC CORP.	OKD001889747	001	8/7/87	10/1/87
06	OK	OK	NU-CHROME PLATING	OKD000829440	001	8/3/82	2/2/84
06	OK	OK	OKAY TRAILER PARK	OKD001327451	001	1/26/96	3/15/96
06	OK	OK	OKEMAH DRUM SITE	OKD987082526	001	5/14/92	8/20/94
06	OK	OK	OKLAHOMA FURNITURE	OKD981054109	001	8/29/85	8/29/85
06	OK	OK	OKLAHOMA REFINING CO	OKD007194467	001	3/24/93	6/30/93
06	OK	OK	OKLAHOMA REFINING CO	OKD091598870	001	9/6/90	9/2/91
06	OK	OK	QUINTON SMELTER	OKD091598870	002	9/27/83	9/30/85
06	OK	OK	QUINTON SMELTER	OKD987088366	001	1/22/86	1/13/86
06	OK	OK	RAB VALLEY WOOD PRESERVING	OKD987088366	002	9/15/97	4/23/98
06	OK	OK	RAB VALLEY WOOD PRESERVING	OKD987068749	001	5/27/86	
06	OK	OK	RAB VALLEY WOOD PRESERVING	OKD987068749	001	4/15/93	5/21/93
06	OK	OK	RAB VALLEY WOOD PRESERVING	OKD987068749	002	7/8/94	9/20/94
06	OK	OK	RAY QUINN DRUM	OKD000897322	001	10/31/94	2/24/95
06	OK	OK	S.E. 15TH ST. DRUMS	OKD001408507	001	7/17/96	10/16/96
06	OK	OK	SAND SPRINGS PETROCHEMICAL COMPLEX	OKD980748446	001	3/21/84	8/10/84
06	OK	OK	SOONER DIAL CO.	OKD987096551	001	8/22/86	3/17/87
06	OK	OK	T.R.I. CONTAINER INC.	OKD007040589	001	9/29/94	9/22/95
06	OK	OK	TAR CREEK (OTTAWA COUNTY)	OKD980629844	001	8/17/85	10/12/85

06	OK	TAR CREEK (OTTAWA COUNTY)	OKD980629844	Fund Removal	002	9/12/95	8/15/85
06	OK	TENTH STREET DUMP/JUNKYARD	OKD980620967	FF Removal	001	8/1/85	4/15/87
06	OK	TENTH STREET DUMP/JUNKYARD	OKD980620967	Fund Removal	001	9/13/85	10/6/93
06	OK	VICTORY METAL	OKD001087732	Fund Removal	002	10/4/83	9/10/97
06	OK	WHEATLAND DRUM SITE	OKD001206923	Fund Removal	001	5/1/87	6/23/86
06	TX	ACRYLONITRIL SPILL	TXD982329228	Fund Removal	001	9/4/85	4/3/84
06	TX	AFFEL PARK	TXD987982204	Fund Removal	001	3/26/84	8/20/89
06	TX	AGGIE CHEMICAL CO	TXD981051972	Fund Removal	001	9/20/89	3/19/86
06	TX	AID WAREHOUSE	TXD987960666	Fund Removal	001	4/2/85	11/16/88
06	TX	ALMEDA-GENOVA ROAD SITE	TXD980623722	FF Removal	001	6/22/88	12/15/88
06	TX	AMERICAN THIO CHEM	TXD987965108	FF Removal	001	8/19/89	9/28/88
06	TX	AMOCO DOCK 31	TXD987979796	Fund Removal	001	6/9/88	3/8/82
06	TX	ARCHEM COMPANY, INC.	TXD0042544270	Fund Removal	001	3/3/82	4/24/96
06	TX	BAILEY WASTE DISPOSAL	TXD98064649	Fund Removal	001	6/19/95	12/11/84
06	TX	BALDWIN WASTE OIL RECLAMATION PLANT	TXD980626907	Fund Removal	001	11/27/84	9/14/94
06	TX	BARKER CHEMICAL	TXD006357500	Fund Removal	001	7/13/82	12/30/83
06	TX	BATH ELECTRICAL SYSTEMS(BES)	TXD065103327	FF Removal	001	10/24/83	9/20/85
06	TX	BAYOU VIEW	TXD98076907	Fund Removal	001	9/20/85	11/15/85
06	TX	BEST PLATE, INC	TXD080744410	Fund Removal	001	4/9/90	4/8/87
06	TX	BIO-ECOLOGY SYSTEMS, INC	TXD080744410	Fund Removal	001	8/18/87	7/20/86
06	TX	BCECK DRUMS	TXD980304889	Fund Removal	002	3/9/88	8/9/85
06	TX	BOLIVAR BEACH	TXD98063556	Fund Removal	001	6/5/85	12/12/94
06	TX	BOLIVAR DRUMS	TXD987981974	Fund Removal	001	9/26/84	5/23/89
06	TX	BOLIVAR PENINSULA I	TXD98076899	Fund Removal	001	5/23/89	5/7/90
06	TX	BRIQ REFINING, INC	TXD987996402	Fund Removal	001	5/7/90	4/3/90
06	TX	BUFFALO BAYOU	TXD980625453	FF Removal	001	4/3/90	3/31/85
06	TX	BULL OIL CHEMICAL TRANSPORTER, INC.	TXD98254537	Fund Removal	001	2/1/85	4/20/88
06	TX	CARD BLANC/CARTER	TXD092488741	Fund Removal	001	4/20/88	3/9/90
06	TX	CAT FORD ROAD	TXD98061446	Fund Removal	001	7/12/89	4/13/93
06	TX	CEDAR BAYOU	TXD982311557	Fund Removal	001	8/25/82	14/89
06	TX	CHEMICAL DRUM(BROWNSVILLE)	TXD98076980	Fund Removal	001	8/12/88	8/8/90
06	TX	CHEMICAL RECYCLING INC	TXD981598725	Fund Removal	001	6/8/90	10/17/84
06	TX	CHEMICAL RECYCLING INC	TXD053131223	FF Removal	001	10/23/89	11/30/90
06	TX	CHEMICAL RECYCLING INC	TXD053131223	FF Removal	002	2/11/82	
06	TX	COASTAL INCINERATION FACILITY	TXD98076972	Fund Removal	001	7/26/91	12/30/96
06	TX	CREWS PLATING, INC.	TXD981149883	FF Removal	001	8/5/86	12/30/96
06	TX	CREWS PLATING, INC.	TXD981149883	Fund Removal	001	9/24/83	12/30/86
06	TX	CREWS PLATING, INC.	TXD981149883	Fund Removal	002	4/21/85	3/9/90
06	TX	CRYSTAL BEACH	TXD98076964	Fund Removal	001	3/9/90	3/9/92
06	TX	CRYSTAL BEACH DRUM II	TXD98076966	Fund Removal	001	3/9/92	7/7/90
06	TX	CRYSTAL BEACH DRUMS 1	TXD98076949	Fund Removal	001	7/7/90	9/4/91
06	TX	CRYSTAL CHEMICAL CO	TXD990707010	FF Removal	001	10/15/90	

06	TX	CRYSTAL CHEMICAL CO	TXD990707010	Fund Removal	001	9/19/81	2/20/83
06	TX	CRYSTAL CHEMICAL CO	TXD990707010	Fund Removal	002	9/12/83	10/6/83
06	TX	CRYSTAL CHEMICAL CO	TXD990707010	Fund Removal	003	8/30/88	10/15/88
06	TX	CRYSTAL CITY AIRPORT	TXD990684763	Fund Removal	001	10/31/83	1/8/83
06	TX	CRYSTAL CITY AIRPORT	TXD990684763	Fund Removal	002	4/17/84	4/28/84
06	TX	CRYSTAL CITY AIRPORT	TXD990684763	Fund Removal	003	6/1/88	6/3/88
06	TX	DALLAS PLATING CO.	TXD007317811	Fund Removal	001	1/9/98	3/2/98
06	TX	DAVIS ROAD DRUM SITE	TXD987966892	Fund Removal	001	3/21/89	4/24/89
06	TX	DEMPSEY RESIDENCE	TXD988033049	Fund Removal	001	3/20/82	9/18/82
06	TX	DICKERSON DRUMS	TXD981058884	Fund Removal	001	3/5/87	8/13/87
06	TX	DRUM AT CG BASE	TXD980769331	Fund Removal	001	5/8/90	5/8/90
06	TX	DRUM INCIDENT/HOUSTON	TXD98076923	Fund Removal	001	9/30/90	9/30/90
06	TX	EL PASO DRUM SITE	TXD982291734	Fund Removal	001	9/12/83	1/4/84
06	TX	EL PASO PLATING WORKS	TXD987963418	Fund Removal	001	10/23/89	3/23/90
06	TX	ELLA WAREHOUSE DRUMS	TXD987963201	Fund Removal	001	10/1/86	3/3/87
06	TX	ERI TIRE FIRE	TXD988021416	Fund Removal	001	11/30/90	11/29/91
06	TX	FLOATING DRUM/SHIP CHANNEL	TXD002463313	Fund Removal	001	8/24/88	1/2/85
06	TX	FM 14 DRUM SITE	TXD982291791	Fund Removal	001	11/28/84	1/2/85
06	TX	FRAZIER RESIDENCE	TXD001981358	Fund Removal	001	5/27/86	6/26/90
06	TX	FRENCH, LTD	TXD987981404	Fund Removal	001	3/19/80	6/1/81
06	TX	FRENCH, LTD	TXD980514814	Fund Removal	001	2/4/80	6/1/81
06	TX	FRENCH, LTD	TXD980514814	Fund Removal	002	7/19/82	7/27/82
06	TX	FRENCH, LTD	TXD980514814	Fund Removal	003	6/4/83	6/12/83
06	TX	FRIENDLY STREET DRUM	TXD980514814	Fund Removal	004	5/25/89	6/5/89
06	TX	FRIENDSWOOD 518 SITE	TXD000196667	Fund Removal	001	3/30/84	7/22/84
06	TX	G.P. DRUM	TXD981147168	Fund Removal	001	6/24/86	9/27/84
06	TX	GAC WELLS	TXD000843508	Fund Removal	001	9/26/84	2/28/95
06	TX	GALENA PARK	TXD008643177	Fund Removal	001	9/23/94	9/27/84
06	TX	GALENA PARK DRUM	TXD980769315	Fund Removal	001	9/5/91	3/5/92
06	TX	GALVESTON BEACH	TXD988077236	Fund Removal	001	3/5/92	8/21/89
06	TX	GALVESTON BEACH	TXD987981958	Fund Removal	001	8/21/89	8/21/89
06	TX	GALVESTON FERRY LANDING	TXD988077210	Fund Removal	001	1/19/91	1/19/91
06	TX	GALVESTON ISLAND	TXD988077202	Fund Removal	001	7/6/91	7/6/91
06	TX	GARLAND DRUMS	TXD001652779	Fund Removal	001	6/25/97	9/30/97
06	TX	GENEVA INDUSTRIES/FUHRMANN ENERGY	TXD980748453	FF Removal	001	9/27/84	10/26/84
06	TX	GENEVA INDUSTRIES/FUHRMANN ENERGY	TXD980748453	Fund Removal	001	6/3/83	6/6/83
06	TX	GENEVA INDUSTRIES/FUHRMANN ENERGY	TXD980748453	Fund Removal	002	6/22/83	6/28/83
06	TX	GENEVA INDUSTRIES/FUHRMANN ENERGY	TXD980748453	Fund Removal	003	10/17/83	2/4/84
06	TX	GENEVA INDUSTRIES/FUHRMANN ENERGY	TXD980748453	Fund Removal	004	5/30/84	7/3/84
06	TX	GENEVA INDUSTRIES/FUHRMANN ENERGY	TXD980748453	Fund Removal	005	9/6/84	11/2/84
06	TX	GILCREST DRUM I	TXD988071194	Fund Removal	001	5/2/90	5/2/90
06	TX	GILCREST DRUM II	TXD988071186	Fund Removal	001	5/27/90	5/27/90
06	TX	GOOD LATIMER	TXD000063651	Fund Removal	001	11/24/93	11/24/93

06	TX	GOODLATIMER	TXD000053651	Fund Removal	002	8/1/94	10/12/94
06	TX	GRANT ROAD DRUM SITE	TXD982305195	FF Removal	001	8/31/88	12/21/90
06	TX	GREGG COUNTY DRUM	TXD982305195	Fund Removal	001	11/27/89	6/19/90
06	TX	GULF INTERCOASTAL WATERWAY	TXD988019097	FF Removal	001	11/19/81	12/18/91
06	TX	GYMNIURS LABORATORIES	TXD987980414	Fund Removal	001	2/2/89	2/2/89
06	TX	HARDY ROAD DRUM SITE	TXD989054144	FF Removal	001	1/16/92	3/6/92
06	TX	HARRY HINES DRUM WAREHOUSE	TXD987980486	Fund Removal	001	5/22/89	5/21/90
06	TX	HART CREOSOTING CO	TXD987980976	Fund Removal	001	8/1/89	5/16/90
06	TX	HASTINGS RADIO CHEMICAL (ONSITE)	TXD050289577	Fund Removal	001	7/24/95	10/6/85
06	TX	HASTINGS RADIO CHEMICAL (ONSITE)	TXD980878672	FF Removal	001	5/15/86	5/15/86
06	TX	HASTINGS RADIO CHEMICAL (ONSITE)	TXD980878672	Fund Removal	001	6/25/86	3/5/93
06	TX	HASTINGS RADIO CHEMICAL (ONSITE)	TXD982269738	Fund Removal	002	10/19/88	
06	TX	HERITAGE & LAUREL	TXD982269738	Fund Removal	001	3/2/87	
06	TX	HI-CHEM, INC.	TXD981589046	Fund Removal	001	6/24/86	9/16/87
06	TX	HI-YIELD CHEMICAL (VPG)	TXD039826474	Fund Removal	001	7/23/92	5/18/93
06	TX	HI-YIELD CHEMICAL (VPG)	TXD980697445	FF Removal	001	10/2/95	10/20/95
06	TX	HI-YIELD RESIDENTIAL AREA	TXD980697445	FF Removal	003	10/7/96	7/21/97
06	TX	HI-YIELD RESIDENTIAL AREA	TX0001000389	FF Removal	001	4/24/95	11/10/95
06	TX	HIGH ISLAND DRUMS	TX0001000389	FF Removal	002	10/25/95	1/31/96
06	TX	HIGH-TECH PLATING	TXD98807178	Fund Removal	001	9/13/90	9/13/90
06	TX	HIGHLANDS ACID PIT	TXD174127407	Fund Removal	001	3/3/80	6/14/80
06	TX	HIGHLANDS ACID PIT	TXD980514996	Fund Removal	001	5/19/84	5/21/84
06	TX	HOLIDAY BEACH	TXD980514996	Fund Removal	002	7/31/85	8/1/85
06	TX	HOLIDAY LAKES ORPHAN DRUMS	TXD988071160	Fund Removal	001	12/16/91	12/17/91
06	TX	HOLLY RESIDENCE	TXD98061412	Fund Removal	001	1/23/92	9/30/92
06	TX	HOUSTON SHIP CHANNEL	TXD981058910	Fund Removal	001	3/6/87	4/18/87
06	TX	HOUSTON SHIP CHANNEL - BUFFALO BAYOU	TXD981058910	Fund Removal	001	2/22/90	2/22/90
06	TX	HOUSTON SHIP CHANNEL II	TXD988071145	Fund Removal	001	6/22/92	
06	TX	HWM, INC.	TXD988071152	Fund Removal	001	12/17/81	12/17/91
06	TX	INA STREET DRUMS	TXD987987245	Fund Removal	001	3/27/90	8/19/90
06	TX	J & J PLASTICS COMPANY	TX0000354210	Fund Removal	001	6/5/94	10/3/94
06	TX	J.C. PENNCO WASTE OIL SERVICE	TXD981910276	Fund Removal	001	2/21/87	2/22/87
06	TX	JAMAICA BEACH	TXD982814162	Fund Removal	001	5/9/95	4/5/98
06	TX	JASPER CREOSOTING CO., INC.	TXD988071137	Fund Removal	001	5/15/90	5/15/90
06	TX	JEFFERSON ROAD DRUM SITE	TXD080896240	Fund Removal	001	3/21/86	6/25/86
06	TX	JENSEN ROAD DRUM SITE	TXD987967056	Fund Removal	001	8/11/88	8/16/88
06	TX	JENSEN ROAD DRUM SITE	TXD987666900	Fund Removal	001	12/14/88	2/28/89
06	TX	JOHNSON ENTERPRISES	TXD987666900	Fund Removal	002	3/22/89	4/24/89
06	TX	JOHNSON LUMBER	TXD987589786	Fund Removal	001	9/5/90	5/21/91
06	TX	JOHNSON LUMBER	TXD988095753	Fund Removal	001	6/7/93	2/27/94
06	TX	JOHNSON LUMBER	TXD988095753	Fund Removal	002	3/4/94	3/27/94
06	TX	KENEFFICK DRUM DUMP	TXD981687880	Fund Removal	001	2/21/90	1/23/91
06	TX	KOPPERS CO. INC (TEXARKANA PLANT)	TXD986223984	FF Removal	001	7/23/85	3/12/85

06	TX	KOPPERS CO. INC. (TEXARKANA PLANT)	TXD980623904	FF Removal	002	12/28/84	1/7/85
06	TX	KRESTCO ALUMINIUM	TXD988004396	Fund Removal	001	3/2/85	5/3/85
06	TX	LAKE CHARLES DRUM	TXD988077129	Fund Removal	001	7/26/80	7/26/80
06	TX	LAVAR COUNTY CLEMENT RD SITE	TXD980866081	FF Removal	001	10/26/84	1/23/85
06	TX	LEIGH METAL PLATING INC.	TXD001069681	Fund Removal	001	9/3/86	10/2/86
06	TX	LEY ROAD DRUMS	TXD000190223	FF Removal	001	5/2/84	8/8/84
06	TX	LITHIUM OF LUBBOCK	TXD988072757	FF Removal	001	6/1/8/92	11/19/92
06	TX	LOVE RESIDENCE	TXD981056828	Fund Removal	001	3/1/2/87	10/16/87
06	TX	LUTHER SMITH PROPERTY	TXD000843250	Fund Removal	001	10/8/84	5/3/86
06	TX	MADISONVILLE TIRE/DRUM FIRE	TXDFU0605147	Fund Removal	001	10/4/86	
06	TX	MANY DIVERSIFIED INTERESTS	TXD00083404	Fund Removal	001	3/10/89	
06	TX	MANY DIVERSIFIED RESIDENTIAL AREAS	TXD002280982	Fund Removal	001	7/20/88	
06	TX	MATAGORDA BEACH	TXD987982238	Fund Removal	001	8/21/89	8/25/89
06	TX	MATAGORDA ISLAND	TXD982292377	Fund Removal	001	7/1/85	1/28/86
06	TX	MATAGORDA ROUNDUP	TXD000138602	Fund Removal	001	5/23/84	8/24/84
06	TX	MAYNARD DRUMS OF LAREDO	TXD988090189	Fund Removal	001	8/12/83	8/16/83
06	TX	MC FADDEN BEACH	TXD988077111	Fund Removal	001	7/17/81	7/23/81
06	TX	MC FADDEN BEACH II	TXD988077103	Fund Removal	001	5/15/82	5/15/82
06	TX	MC FADDEN BEACH III	TXD988077095	Fund Removal	001	6/5/82	6/5/82
06	TX	MIDNIGHT DUMP	TXD98282096	Fund Removal	001	2/2/84	4/20/84
06	TX	MILLINGTON ADDITION	TX5200535529	Fund Removal	001	8/17/88	10/3/88
06	TX	MOTCO, INC	TXD980629851	Fund Removal	001	12/11/80	7/19/81
06	TX	MOTCO, INC	TXD980629851	Fund Removal	002	2/4/83	2/22/85
06	TX	MOTCO, INC	TXD980629851	Fund Removal	003	9/1/83	9/23/83
06	TX	MOTCO, INC	TXD980629851	Fund Removal	004	4/2/85	4/15/85
06	TX	MOTCO, INC	TXD980629851	Fund Removal	005	12/8/86	12/17/86
06	TX	MOTOR FUELS CORPORATION	TXD001093152	Fund Removal	001	4/20/89	
06	TX	MUSTANG ISLAND	TXD988077087	Fund Removal	001	4/13/82	4/13/82
06	TX	MUSTANG ISLAND BEACH	TXD988077061	Fund Removal	001	12/13/81	12/13/81
06	TX	MUSTANG ISLAND II	TXD988077079	Fund Removal	001	8/24/82	8/24/82
06	TX	MYLAR FIRE	TXD001899891	Fund Removal	001	3/27/87	9/30/87
06	TX	NATIONAL CHROMIUM CORP ODESSA IND PARK	TXD056211777	FF Removal	001	6/3/86	8/9/86
06	TX	NIAGARA CHEMICAL CO	TXD980687130	FF Removal	001	12/22/86	13/87
06	TX	NINTH STREET DRUMS	TXD987986477	Fund Removal	001	4/2/80	4/3/80
06	TX	ODESSA DRUM COMPANY INC	TXD006012254	FF Removal	001	1/8/95	9/17/87
06	TX	ODESSA DRUM COMPANY INC	TXD006012254	Fund Removal	001	8/8/80	7/20/81
06	TX	OFFATTS BATOU	TXD987981986	Fund Removal	001	6/20/89	6/21/89
06	TX	OSCAR DOMINQUEZ PROPERTY (ODPPCB)	TXD988079141	FF Removal	001	10/18/93	1/10/94
06	TX	PAC TANK/HOUSTON SHIP CHANNEL	TXD00007882	Fund Removal	001	10/29/87	11/2/87
06	TX	PADRE & MUSTANG ISLAND 87	TXD982298473	Fund Removal	001	2/26/87	
06	TX	PADRE & MUSTANG ISLANDS	TXD9842391658	Fund Removal	001	12/10/84	3/27/85
06	TX	PADRE & MUSTANG ISLANDS 86	TXD982291973	Fund Removal	001	11/1/85	2/26/87
06	TX	PADRE & MUSTANG ISLANDS #	TXD982291916	Fund Removal	001	2/19/85	1/29/86

06	TX	PADRE & MUSTANG ISLANDS III	TXD982292039	Fund Removal	001	4/29/85	1/29/86
06	TX	PADRE & MUSTANG ISLANDS IV	TXD982292338	Fund Removal	001	9/12/85	4/15/86
06	TX	PALM BEACH - GALVESTON ISLAND	TXD988077063	Fund Removal	001	5/5/91	5/5/91
06	TX	PALMER PACK WAREHOUSE	TXD006866582	FF Removal	001	6/22/88	11/16/88
06	TX	PANTHER CREEK/GALENA PARK	TXD982323211	Fund Removal	001	3/10/82	3/11/82
06	TX	PARKER COUNTY DRUMS	TXD988039847	Fund Removal	001	6/18/91	2/19/92
06	TX	PENROD DRUMS	TX0002270452	Fund Removal	001	6/2/98	8/28/98
06	TX	PESSES CHEMICAL CO	TXD980699656	FF Removal	001	7/29/89	9/2/88
06	TX	PESSES CHEMICAL CO	TXD980699656	Fund Removal	001	4/19/83	6/30/83
06	TX	PESSES CHEMICAL CO	TXD980699656	Fund Removal	002	7/9/80	7/12/80
06	TX	PETRO-CHEMICAL SYSTEMS, (TURTLE BAYOU)	TXD980973350	Fund Removal	001	5/12/86	5/16/86
06	TX	PIRATE'S BEACH	TXD982322778	Fund Removal	001	6/15/87	6/28/87
06	TX	PIRATE'S BEACH	TXD982322778	Fund Removal	002	4/6/89	4/6/89
06	TX	PLANO MERCURY	TX0002323277	Fund Removal	001	3/4/98	4/21/98
06	TX	POCKET PARK	TXD987982212	Fund Removal	001	8/18/89	8/18/89
06	TX	POCKET PARK II	TXD988077046	Fund Removal	001	6/1/80	6/1/80
06	TX	POLY CYCLE INDUSTRIES-TECULA	TX1490012689	Fund Removal	001	3/12/91	1/1/92
06	TX	POLY CYCLE INDUSTRIES-TECULA	TX1490012689	Fund Removal	002	11/14/94	11/21/94
06	TX	POLY CYCLE INDUSTRIES-TECULA	TX1490012689	Fund Removal	003	10/28/97	
06	TX	PORETTO BEACH - GALVESTON	TXD988077038	Fund Removal	001	5/7/91	5/7/91
06	TX	PORT ARANSAS BEACH	TXD988077020	Fund Removal	001	3/23/92	3/23/92
06	TX	PORT ARTHUR DRUM	TXD987986394	Fund Removal	001	4/2/80	4/2/80
06	TX	PORT BOLIVAR	TXD987979804	Fund Removal	001	10/7/88	10/7/88
06	TX	PORT BOLIVAR II	TXD987986410	Fund Removal	001	10/19/89	10/19/89
06	TX	QUINTANA BEACH	TXD988077012	Fund Removal	001	4/22/81	4/23/91
06	TX	RELIABLE COATINGS INC.	TXD054375027	Fund Removal	001	7/20/94	11/2/94
06	TX	RIO NEUQUEN/ALUMINUM PHOSPHIDE	TXD980878664	Fund Removal	001	7/27/84	8/6/84
06	TX	ROBIN BOULEVARD DRUMS	TX0000593530	Fund Removal	001	2/13/95	2/13/96
06	TX	ROLLOVER PASS	TXD987982220	Fund Removal	001	9/13/89	9/13/89
06	TX	ROLLOVER PASS DRUMS	TXD988076998	Fund Removal	001	6/17/90	6/17/90
06	TX	ROLLOVER PASS DRUMS II	TXD988077004	Fund Removal	001	6/23/90	6/23/90
06	TX	RSR CORP.	TXD076348397	Fund Removal	001	10/1/91	3/21/95
06	TX	RSR CORP.	TXD076348397	Fund Removal	002	5/30/95	7/14/95
06	TX	RSR CORP.	TXD076348397	Fund Removal	003	5/30/95	7/14/95
06	TX	RUSSELL FARR SITE	TXD988074449	Fund Removal	001	7/27/92	4/13/93
06	TX	SABINE PASS DRUM	TXD987986386	Fund Removal	001	4/2/80	4/2/80
06	TX	SAFE TIRE DISPOSAL FIRE	TX0001315878	Fund Removal	001	12/1/95	12/22/95
06	TX	SAN LUIS BEACH	TXD987986469	Fund Removal	001	1/31/90	1/31/90
06	TX	SEA ISLE-AMENDMENT	TXD987986428	Fund Removal	001	7/9/89	7/9/89
06	TX	SEABROOK DRUMS	TXD988077343	Fund Removal	001	5/7/80	5/7/80
06	TX	SEAWALL AND 10TH ST. DRUM	TXD988077335	Fund Removal	001	7/31/90	7/31/90
06	TX	SEAWALL DRUMS	TXD988077327	Fund Removal	001	5/6/90	5/6/90
06	TX	SEAWALL DRUMS II	TXD988077319	Fund Removal	001	7/8/90	7/8/90

06	TX	SEAWALL TX	TXD981998451	Fund Removal	001	2/13/90	2/13/90
06	TX	SENUTA RESIDENCE	TXD981068985	Fund Removal	001	4/7/87	10/16/87
06	TX	SHEPHERD LEAD	TX0001575868	Fund Removal	001	3/5/87	4/2/87
06	TX	SHERIDAN DISPOSAL SERVICES	TXD062132147	FF Removal	001	7/13/87	9/17/87
06	TX	SHORE REFINERY	TXD06709196	Fund Removal	001	2/6/95	
06	TX	SHORE REFINERY	TXD06709196	Fund Removal	002	8/12/86	6/14/83
06	TX	SIKES DISPOSAL PITS	TXD980513956	Fund Removal	001	6/11/83	4/9/88
06	TX	SIKES DISPOSAL PITS	TXD980513956	Fund Removal	002	3/7/88	4/9/88
06	TX	SIKES DISPOSAL PITS	TXD980513956	Fund Removal	003	5/24/89	6/5/89
06	TX	SIKES DISPOSAL PITS	TXD980513956	Fund Removal	004	7/5/89	7/31/89
06	TX	SMITH COMPANY OF UVALDE	TXD002693909	Fund Removal	001	5/2/89	1/12/90
06	TX	SMITH COMPANY OF UVALDE	TXD002693909	Fund Removal	002	3/4/94	4/28/94
06	TX	SMITH SMELTER	TXD98079269	Fund Removal	001	3/3/83	8/9/93
06	TX	SOL LYNN INDUSTRIAL TRANSFORMERS	TXD980873327	FF Removal	001	2/20/89	4/19/89
06	TX	SOUTH HOUSTON DRUMS - WINKLER BLVD.	TXD981054117	Fund Removal	001	4/28/86	5/23/86
06	TX	SOUTH HOUSTON DRUMS-G & R AUTO REPAIR	TXD981058969	Fund Removal	001	9/27/85	6/30/86
06	TX	SOUTH HOUSTON DRUMS-SOUTH ACRES	TXD981058981	Fund Removal	001	5/12/86	7/2/86
06	TX	SOUTH OF WACO, MCLENNAN COUNTY, TEXAS	TXD981154123	Fund Removal	001	5/4/83	5/8/83
06	TX	SPANISH GRANT BEACH	TXD981981933	Fund Removal	001	8/4/89	8/4/89
06	TX	SPANISH GRANT BEACH	TXD988077293	Fund Removal	001	2/15/90	2/15/90
06	TX	SPRAGUE ROAD GROUND WATER PLUME	TX0001407444	Fund Removal	001	1/29/89	
06	TX	STEWART BEACH	TXD981981925	Fund Removal	001	8/7/89	8/7/89
06	TX	STEWART BEACH	TXD988077301	Fund Removal	001	6/11/90	6/11/90
06	TX	STEWCO, INC	TXD05537281	Fund Removal	001	3/31/84	5/1/84
06	TX	STEWCO, INC	TXD05537281	Fund Removal	002	5/5/84	5/7/84
06	TX	SUMBELT ENVIRONMENTAL SOLUTIONS	TXD988027207	Fund Removal	001	3/14/92	1/5/93
06	TX	SURFSIDE BEACH	TXD988077277	Fund Removal	001	7/4/81	7/4/81
06	TX	SURFSIDE BEACH II	TXD988077295	Fund Removal	001	12/19/91	12/19/91
06	TX	T/B HARVEY CANEL	TXD988077251	Fund Removal	001	5/15/90	
06	TX	TANK BARGE PSY-102	TXD988077269	Fund Removal	001	5/19/81	
06	TX	TEICHMAN DRUMS	TXD988077244	Fund Removal	001	5/25/80	5/25/80
06	TX	TERRAMAR BEACH	TXD987996444	Fund Removal	001	2/12/90	2/12/90
06	TX	TERRRELL PLATING	TXD980048669	Fund Removal	001	4/21/94	6/21/94
06	TX	TEX-TIN CORP	TXD062113329	Fund Removal	001	9/29/89	10/6/89
06	TX	TEX-TIN CORP	TXD062113329	Fund Removal	002	11/4/98	
06	TX	TEXARKANA MILLING & SUPPLY	TX0001097368	Fund Removal	001	10/30/95	10/1/96
06	TX	TEXARKANA WOOD PRESERVING CO	TXD080956152	Fund Removal	001	12/23/86	13/0/87
06	TX	TEXARKANA WOOD PRESERVING CO	TXD080956152	Fund Removal	002	7/28/87	8/25/87
06	TX	TEXARKANA WOOD PRESERVING CO	TXD080956152	Fund Removal	003	12/8/88	12/9/88
06	TX	TEXARKANA WOOD PRESERVING CO	TXD080956152	Fund Removal	004	8/7/89	8/8/89
06	TX	TEXARKANA WOOD PRESERVING CO	TXD080956152	Fund Removal	005	2/17/90	10/2/90
06	TX	TEXAS CITY TURNING BASIN	TXD98292153	Fund Removal	001	2/21/84	2/22/84
06	TX	TOMLINSON DRUMS	TXD987966818	Fund Removal	001	5/13/91	5/1/92

06	TX	TXD085143705	TRIANGLE CHEMICAL CO	Fund Removal	001	4/2/82	4/6/82
06	TX	TXD085143705	TRIANGLE CHEMICAL CO	Fund Removal	002	8/16/82	8/27/82
06	TX	TXD085143705	TRIANGLE CHEMICAL CO	Fund Removal	003	4/9/85	4/12/85
06	TX	TXD117403889	TRICON AMERICA, INC.	Fund Removal	001	3/28/90	12/4/90
06	TX	TXD980746574	UNITED CROCOSOTING CO	FF Removal	001	12/29/83	9/1/84
06	TX	TXD164884165	UTTCO - GRETA	FF Removal	001	10/30/90	1/1/90
06	TX	TXD981589053	VAN ZANDT COUNTY	Fund Removal	001	5/13/83	5/14/83
06	TX	TXD061287918	VODA PETROLEUM, INC.	Fund Removal	001	3/1/95	9/29/97
06	TX	TXD061287918	VODA PETROLEUM, INC.	Fund Removal	002	8/12/96	9/29/97
06	TX	TXD000200600	WACO DRUM (AMCO CENTER)	Fund Removal	001	6/13/94	10/22/94
06	TX	TXD987566348	WAYNE FEEDS	FF Removal	001	3/16/92	6/10/92
06	TX	TXD987566348	WAYNE FEEDS	Fund Removal	001	7/30/90	8/2/90
06	TX	TX1983814055	WILLIE HEARD DRUM SITE	Fund Removal	001	1/14/84	8/17/94
07	IA	TXD981056893	YATES RESIDENCE SITE	Fund Removal	001	9/8/86	4/15/87
07	IA	IASFN0703486	3RD AVENUE MERCURY	Fund Removal	001	12/11/98	
07	IA	IAD984898250	7TH STREET LEAD SITE	Fund Removal	001	12/18/92	2/17/93
07	IA	IAD005103882	A. Y. McDONALD INDUSTRIES, INC	FF Removal	001	8/21/87	6/15/88
07	IA	IAD042581256	ADEX CORPORATION	FF Removal	001	3/31/89	6/30/92
07	IA	IAD042581256	ADEX CORPORATION	FF Removal	001	12/1/81	12/3/81
07	IA	IAD006270160	ALUMINUM COMPANY OF AMERICA - DAVENPORT	FF Removal	001	7/19/90	
07	IA	IAD893008950	AMES LABORATORY	PRP Removal	001	6/9/84	3/17/95
07	IA	IAD981727844	BATTERY EXCHANGE	FF Removal	001	1/7/92	1/9/92
07	IA	IAD981727844	BATTERY EXCHANGE	Fund Removal	001	9/2/83	10/20/93
07	IA	IAD981124175	BELLE PLAINE COAL GASIFICATION	FF Removal	001	8/16/90	9/30/95
07	IA	IAD022364987	BLACK HAWK IRON & METAL INC	Fund Removal	001	6/6/84	6/30/94
07	IA	IAD022364987	BLACK HAWK IRON & METAL INC	Fund Removal	002	9/11/95	6/13/96
07	IA	IAD981497522	BLACK HAWK WASTE DISPOSAL DUMP	FF Removal	001	5/10/93	7/25/97
07	IA	IAD98178905	CLEAR LAKE COAL GAS	Fund Removal	001	9/18/94	12/6/94
07	IA	IAD984591438	CLINTON COAL GAS	FF Removal	003	5/1/87	
07	IA	IAD98095164	CURTIS ANIMAL HEALTH PRODUCTS	Fund Removal	001	9/1/84	9/25/84
07	IA	IAD984618405	DAVENPORT LEAD SITE	Fund Removal	001	4/27/83	9/30/93
07	IA	IAD000331676	DAVENPORT MERCURY SITE	Fund Removal	001	5/27/84	9/8/84
07	IA	IAD984621318	DECORAH FMGP	FF Removal	001	11/10/96	2/19/98
07	IA	IAD984621318	DECORAH FMGP	FF Removal	002	9/23/98	
07	IA	IAD005283387	DES MOINES BARREL & DRUM CO	FF Removal	001	10/9/81	5/1/95
07	IA	IAD005283387	DES MOINES BARREL & DRUM CO	Fund Removal	001	5/22/92	5/22/92
07	IA	IAD980687933	DES MOINES TCE	FF Removal	001	3/4/84	5/6/97
07	IA	IAD980687933	DES MOINES TCE	FF Removal	002	6/14/84	2/5/97
07	IA	IAD980687933	DES MOINES TCE	FF Removal	003	3/12/86	7/7/97
07	IA	IAD980685804	E. I. DU PONT DE NEMOURS (COUNTY RD X23)	FF Removal	002	11/10/91	10/1/92
07	IA	IAD981709116	EGINGUIRE FERTILIZER INC	Fund Removal	001	3/13/87	3/3/88
07	IA	IAD005293469	EMORY PLATING	Fund Removal	001	4/26/93	12/2/93
07	IA	IA0001413865	ESTHERVILLE MOVIE THEATER	Fund Removal	001	9/13/96	9/13/96

07	IA	FAIRFIELD COAL GASIFICATION PLANT	IAD981124167	FF Removal	001	3/31/89	9/30/91
07	IA	FRANCHE PAINT CO	IAD005265418	Fund Removal	001	3/14/95	5/23/95
07	IA	FREMONT PESTICIDES - THURMAN	IAD984617532	FF Removal	001	5/18/95	7/17/96
07	IA	H E W	IAD000034793	Fund Removal	001	9/14/94	11/29/94
07	IA	INTERCHEM INC	IAD007495328	FF Removal	001	6/18/91	10/6/92
07	IA	INTERCHEM INC	IAD007495328	FF Removal	002	9/20/94	10/2/96
07	IA	IOWA ARMY AMMUNITION PLANT	IAT213820445	PRP Removal	001	12/10/92	11/8/93
07	IA	IOWA ARMY AMMUNITION PLANT	IAT213820445	PRP Removal	002	3/4/93	3/11/93
07	IA	IOWA ARMY AMMUNITION PLANT	IAT213820445	PRP Removal	003	6/10/93	3/7/94
07	IA	IOWA ARMY AMMUNITION PLANT	IAT213820445	PRP Removal	004	3/20/95	7/24/96
07	IA	IOWA ARMY AMMUNITION PLANT	IAT213820445	PRP Removal	005	3/27/95	6/30/95
07	IA	IOWA ARMY AMMUNITION PLANT	IAT213820445	PRP Removal	006	3/13/96	
07	IA	IOWA MALLEABLE IRON CO	IAT213820445	PRP Removal	007	3/13/96	
07	IA	IOWA SANITATION, INC	IAD005296414	Fund Removal	001	3/3/97	6/26/97
07	IA	IOWA SANITATION, INC	IAD984566042	Fund Removal	001	7/28/98	7/29/98
07	IA	IRWIN CHEMICAL CO	IAD984566042	Fund Removal	002	11/11/98	12/23/98
07	IA	KALONA BATTERY COMPANY	IAD984590034	FF Removal	001	3/26/91	4/8/91
07	IA	KEY CITY GAS CO	IAD981727886	Fund Removal	001	3/25/92	4/20/92
07	IA	MASON CITY COAL GASIFICATION PLANT	IAD98176970	Fund Removal	001	2/4/92	10/31/95
07	IA	MASON CITY COAL GASIFICATION PLANT	IAD980969190	FF Removal	001	10/24/88	10/26/88
07	IA	MCGRAW EDISON SITE	IAD980969190	FF Removal	002	8/29/85	
07	IA	MCGRAW EDISON SITE	IAD98171989	FF Removal	001	10/3/86	7/16/89
07	IA	MCGRAW EDISON SITE	IAD98171989	FF Removal	002	9/18/90	7/8/92
07	IA	MICHAEL BATTERY (ROCKINGHAM)	IAD981707387	FF Removal	001	12/4/87	8/30/89
07	IA	MICHAEL BATTERY (ROCKINGHAM)	IAD981707387	Fund Removal	001	11/8/90	4/18/91
07	IA	MICHAEL BATTERY (ROLFF)	IAD981707243	FF Removal	002	8/25/83	2/24/94
07	IA	MICHAEL BATTERY (ROLFF)	IAD981707243	FF Removal	003	8/31/85	3/7/86
07	IA	MICHAEL CO (BETTENDORF)	IAD021693338	FF Removal	001	8/26/86	11/17/86
07	IA	MID-AMERICA TANNING CO	IAD085924688	FF Removal	001	12/29/89	2/15/90
07	IA	MID-AMERICA TANNING CO	IAD085924688	FF Removal	002	11/22/94	7/13/95
07	IA	NAHANT MARSH	IAD001909498	Fund Removal	001	10/27/88	
07	IA	NGPCA - EMERSON - 107	IAD984566406	FF Removal	001	11/28/86	3/9/92
07	IA	NGPCA - EMERSON - 107	IAD984566406	FF Removal	002	7/17/92	12/16/92
07	IA	NGPCA - EMERSON - 107	IAD984566535	FF Removal	001	12/18/90	8/1/91
07	IA	NGPCA - KNOXVILLE - 198	IAD984566535	FF Removal	002	5/13/92	12/14/92
07	IA	NGPCA - KNOXVILLE - 198	IAD984566535	FF Removal	003	8/12/96	
07	IA	NGPCA - LETTS - 199	IAD984602607	FF Removal	001	6/16/92	10/14/92
07	IA	ORIGIN - CEDAR RAPIDS	IAD000244489	FF Removal	001	1/26/98	7/31/98
07	IA	PACIFIC ACTIVITIES LIMITED	IAD005481197	FF Removal	001	6/17/86	8/9/86
07	IA	PEOPLES NATURAL GAS CO	IAD980852578	FF Removal	001	4/19/89	1/26/95
07	IA	RAILROAD DRUM	IAD000996560	Fund Removal	001	12/9/93	4/4/94
07	IA	RALSTON SITE	IAD980632491	FF Removal	001	7/13/94	
07	IA	RELANCE BATTERY MANUFACTURING CO	IAD007262359	FF Removal	001	6/29/90	8/29/90

07	IA	ROI DRUMS	IA0000054623	Fund Removal	001	2/3/84	7/14/84
07	IA	STATE WIDE METAL RECYCLING	IA0001898907	Fund Removal	001	11/3/97	12/24/87
07	IA	TRIGGS TRAILER - KANAWAH	IA0005687730	FF Removal	001	5/11/95	5/11/95
07	IA	TRU-FIT BATTERY	IA0984599282	Fund Removal	001	12/7/98	
07	IA	TURNER SEED CO	IA0022037864	Fund Removal	001	5/5/84	2/24/95
07	IA	U.S. NAMEPLATE CO	IA0054758958	FF Removal	001	6/30/90	
07	IA	WARREN COUNTY DRUM SITE	IA0385492378	Fund Removal	001	8/2/91	12/11/91
07	IA	WATERLOO COAL GASIFICATION PLANT	IA0984596356	FF Removal	001	7/18/94	
07	KS	100 S. 1ST ST. DRUMS	KSSFN0703493	Fund Removal	001	1/19/99	2/10/99
07	KS	119TH & K7 DRUMS	KS000008334	Fund Removal	001	8/26/93	5/3/94
07	KS	57TH AND N. BROADWAY STREETS SITE	KS0981710247	Fund Removal	001	8/27/90	5/31/92
07	KS	57TH AND N. BROADWAY STREETS SITE	KSD981710247	Fund Removal	001	5/23/94	6/27/94
07	KS	57TH AND N. BROADWAY STREETS SITE	KSD981710247	Fund Removal	002	2/20/98	
07	KS	ACE SERVICES	KSD06346731	Fund Removal	001	5/2/94	7/14/94
07	KS	ARKLA-HUNNEWELL	KSD94967422	FF Removal	001	6/26/90	1/15/92
07	KS	BEAUTY ROSE COSMETICS	KSD981711997	Fund Removal	001	2/27/87	3/31/87
07	KS	BIG RIVER SAND CO.	KSD980686174	FF Removal	001	9/20/82	8/2/84
07	KS	CHEMCO INDUSTRIES	KS000118850	Fund Removal	001	6/24/96	7/8/96
07	KS	CHEMICAL COMMODITIES INC	KSD031349624	FF Removal	001	5/10/85	6/10/85
07	KS	CHEMICAL COMMODITIES INC	KSD031349624	FF Removal	002	4/24/89	8/12/89
07	KS	CHEMICAL COMMODITIES INC - DE SOTO	KSD031349624	FF Removal	002	3/25/91	9/30/96
07	KS	CHEMICAL COMMODITIES INC - DE SOTO	KSD984971481	Fund Removal	001	5/29/91	10/29/93
07	KS	CHEMICAL COMMODITIES INC - KANSAS AVE	KSD984987339	Fund Removal	001	3/20/90	2/15/91
07	KS	CHEMICAL COMMODITIES INC - KANSAS AVE	KSD984987339	Fund Removal	001	2/12/92	11/20/92
07	KS	CHEMICAL COMMODITIES INC - LEAVENWORTH RD	KSD984986978	Fund Removal	001	12/7/88	12/9/88
07	KS	CHEMICAL COMMODITIES INC - SHAWNEE	KSD980532902	Fund Removal	001	2/18/92	11/20/92
07	KS	CHEROKEE COUNTY	KSD980741862	Fund Removal	001	5/29/86	2/27/87
07	KS	CHEROKEE COUNTY	KSD980741862	Fund Removal	002	9/25/87	9/20/88
07	KS	CHEROKEE COUNTY	KSD980741862	Fund Removal	003	2/28/90	2/16/91
07	KS	CHEROKEE COUNTY	KSD980741862	Fund Removal	004	2/28/95	2/28/96
07	KS	CORTLAND CONTAINER	KSD007146525	FF Removal	001	6/12/84	8/4/84
07	KS	ECONOMY CHROME	KSD058923368	FF Removal	001	2/25/91	3/7/91
07	KS	FAIRLANE FORMER SALVAGE YARD	KSD985016328	Fund Removal	001	8/24/93	10/6/93
07	KS	FORBES FIELD (EX) AIR FORCE BASE	KS7570090020	PRP Removal	001	10/11/85	2/1/86
07	KS	FORBES FIELD (EX) AIR FORCE BASE	KS7570090020	PRP Removal	002	6/28/96	11/15/97
07	KS	FORBES FIELD (EX) AIR FORCE BASE	KS8214020756	PRP Removal	003	6/30/97	
07	KS	FORT RILEY	KS8214020756	PRP Removal	001	2/1/84	4/12/94
07	KS	FORT RILEY	KS8214020756	PRP Removal	002	2/1/84	5/27/94
07	KS	FORT RILEY	KS8214020756	PRP Removal	003	2/1/84	6/7/94
07	KS	FORT RILEY	KS8214020756	PRP Removal	004	12/5/94	12/1/85
07	KS	GARLAND PARK DRUMS	KSD984989865	Fund Removal	001	11/27/89	1/23/90
07	KS	HILLAINS CHEMICAL CO	KSD980633408	Fund Removal	001	4/21/92	8/11/92
07	KS	HILLSBORO DRUG LAB	KS0002190221	Fund Removal	001	2/23/98	4/14/98

07	KS	HONEY DO PAINT CO INC	KSD984980770	Fund Removal	001	7/11/91	2/20/92
07	KS	HOXIE CRASH SITE	KSSFN0703478	Fund Removal	001	10/19/98	
07	KS	J.W. INDUSTRIES	KSD984984350	Fund Removal	001	2/18/92	2/20/92
07	KS	JEFFERSON ST DRUM SITE	KS0001406719	Fund Removal	001	4/10/96	9/4/96
07	KS	JOHNS REFINERY	KSD980852628	Fund Removal	001	11/2/84	4/13/85
07	KS	JOHNS SLUDGE POND	KSD006943187	FF Removal	001	4/1/86	5/1/86
07	KS	KANSAS CITY STRUCTURAL STEEL	KSD006943187	FF Removal	001	2/7/80	9/15/95
07	KS	KANSAS CITY STRUCTURAL STEEL	KSD006943187	FF Removal	002	12/11/91	9/15/95
07	KS	KANSAS POWER & LIGHT CO	KSD981132029	FF Removal	001	11/15/85	6/19/87
07	KS	KANTEK - DE SOTO	KSD039413962	Fund Removal	001	12/9/83	4/19/94
07	KS	KEMPER COMPANY	KSD056027311	Fund Removal	001	7/9/90	11/13/90
07	KS	KUHLMAN DIECASTING COMPANY	KSD006325013	FF Removal	001	6/28/91	6/28/91
07	KS	KUHLMAN DIECASTING COMPANY	KSD006325013	FF Removal	002	10/9/96	1/10/97
07	KS	LAKE PARK DRIVE-IN THEATRE	KSD980962864	FF Removal	001	11/1/84	1/1/85
07	KS	LAKED POINT MERCURY SITE	KS0002438016	Fund Removal	001	7/22/98	7/25/98
07	KS	LAWRENCE RESIDENTIAL LEAD	KSD030622971	FF Removal	001	10/19/98	3/2/99
07	KS	LAWRENCE RESIDENTIAL LEAD	KS0001758044	FF Removal	001	2/25/97	3/5/97
07	KS	LEAVENWORTH AUTO PARTS	KSD984966630	Fund Removal	001	7/10/95	6/25/97
07	KS	LEAVENWORTH MERCURY	KS0002188498	Fund Removal	001	11/17/87	1/30/88
07	KS	LINDA, D. (MW)	KSD984967059	FF Removal	001	12/20/84	3/12/85
07	KS	MID-AMERICA REFINERY	KSD084091545	Fund Removal	001	8/15/84	3/8/85
07	KS	MID-AMERICA REFINERY	KSD084091545	Fund Removal	002	7/7/98	
07	KS	NATIONAL INDUSTRIAL ENVIRON SERV	KSD070902952	FF Removal	001	5/31/85	6/28/88
07	KS	NGPCA - GLASCO - 105	KSD07305237	FF Removal	001	10/1/81	2/15/83
07	KS	NGPCA - GLASCO - 105	KSD07305237	FF Removal	002	10/21/91	2/15/93
07	KS	NGPCA - MINNEOLA - 103	KSD07305237	FF Removal	001	9/9/92	3/15/93
07	KS	OK OIL & TREATING INC	KSD056581432	FF Removal	001	1/30/95	
07	KS	OSAGE METAL COMPANY	KSD985015312	Fund Removal	001	3/31/83	3/31/83
07	KS	OSAGE METAL COMPANY	KSD985015312	Fund Removal	001	3/6/95	10/20/95
07	KS	OSKALOOSA MERCURY	KS0001599324	Fund Removal	001	10/22/96	12/5/96
07	KS	PERRY-LECOMPTON MERCURY SITE	KS0002021111	Fund Removal	001	9/30/87	2/14/96
07	KS	PERRY-LECOMPTON MERCURY SITE	KS0002021111	Fund Removal	002	10/1/87	2/14/96
07	KS	PERRY-LECOMPTON MERCURY SITE	KS0002021111	Fund Removal	003	1/30/98	11/2/98
07	KS	RAMONA GROUNDWATER CONTAMINATION	KSD985012186	Fund Removal	001	17/83	7/15/94
07	KS	RENNER ROAD SHOOTING RANGE	KSD984967414	Fund Removal	001	9/8/93	8/12/94
07	KS	REYNOLDS DRUM SITE	KSD984989673	Fund Removal	001	1/17/91	12/8/91
07	KS	RICHMOND ST	KSD981718109	Fund Removal	001	6/13/86	6/13/86
07	KS	ROBINSON DRUM SITE	KSD984966812	Fund Removal	001	9/23/88	10/20/88
07	KS	ROE LAKE TANK	KSD981719727	Fund Removal	001	10/29/87	2/5/88
07	KS	S BLICKNER ST & S WATER ST CONTAMINATION	KSD984967539	FF Removal	001	8/18/93	8/18/93
07	KS	S W BLVD DRUM SITE	KSD984962826	FF Removal	001	2/3/93	6/10/93
07	KS	SCHILLING (EX) AIR FORCE ATLAS FAC S-5	KS0000597922	PRP Removal	001	2/7/84	4/15/84
07	KS	SCHILLING (EX) AIR FORCE BASE		PRP Removal	002	8/24/97	3/17/98

07	KS	SOUTH MOUND PESTICIDES	KS0965013135	FF Removal	001	2/14/94	9/27/96
07	KS	SOUTHWEST MANUFACTURING	KS094496895	Fund Removal	001	9/27/89	1/29/90
07	KS	SOUTHWEST PLATING CO INC	KS0045098589	Fund Removal	001	9/24/83	1/1/94
07	KS	STRAUSS PESTICIDES	KS0965013127	FF Removal	001	9/30/83	12/11/85
07	KS	SUTCLIFFE DRUMS	KSSFN0703483	Fund Removal	001	11/2/88	3/12/89
07	KS	TRI COUNTY PUBLIC AIRPORT	KS0001402320	Fund Removal	001	11/10/87	
07	KS	TROUP/THOMPSON DRUM SITE	KS0944968873	Fund Removal	001	11/27/89	7/11/90
07	KS	US PENITENTIARY - LEAVENWORTH	KS4131909120	PRP Removal	001	2/29/86	
07	KS	USDA (EX) GRAIN BIN - EVEREST	KS0002024727	FF Removal	001	10/7/87	10/7/97
07	KS	WEAVER DRUM SITE	KS0981718117	Fund Removal	001	5/7/87	5/29/87
07	KS	WILLIAMS COMPRESSOR STATION - AMERICUS	KS0944900655	FF Removal	002	9/21/83	1/19/94
07	KS	WILLIAMS COMPRESSOR STATION - CORWIN	KS0944900507	FF Removal	001	14/86	9/25/87
07	KS	WILLIAMS COMPRESSOR STATION - CORWIN	KS0944900507	FF Removal	002	8/3/88	8/11/88
07	KS	WILLIAMS COMPRESSOR STATION - GRABHAM	KS0944900630	FF Removal	002	3/30/85	8/15/85
07	KS	WILLIAMS COMPRESSOR STATION - HESSTON	KS0944900374	FF Removal	001	1/23/88	2/28/89
07	KS	WILLIAMS COMPRESSOR STATION - MATFIELD	KS0944900549	FF Removal	002	4/15/84	9/28/84
07	KS	WILLIAMS COMPRESSOR STATION - STAFFORD	KS0944900606	FF Removal	002	1/13/84	3/15/84
07	KS	WILLIAMS COMPRESSOR STATION - TONGANOXIE	KS0944900713	FF Removal	002	3/1/84	4/20/84
07	KS	WILLIAMS COMPRESSOR STATION - WELDA	KS0944900697	FF Removal	002	6/7/85	9/25/87
07	KS	WILLIAMS COMPRESSOR STATION - WELDA	KS0944900697	FF Removal	003	8/14/88	8/25/88
07	KS	WRIGHT GROUNDWATER CONTAMINATION	KS0944985829	Fund Removal	001	10/29/84	5/14/97
07	KS	YODER VOC'S	KS098173896	Fund Removal	002	8/7/86	9/24/87
07	MO	35 FLOOD CERCLA DRUMS	KS098173896	Fund Removal	001	11/16/87	4/30/89
07	MO	A-1 PLATING COMPANY INC	MO0001401710	Fund Removal	001	4/12/86	6/28/86
07	MO	ACCESS ROAD TO OLD HWY 141	MO000702657	FF Removal	001	6/25/81	6/28/81
07	MO	ACCESS ROAD TO OLD HWY 141	MO0989802553	FF Removal	001	9/25/86	3/10/87
07	MO	ACME BATTERY MFG	MO0989802553	Fund Removal	001	9/23/88	7/28/89
07	MO	ACME BATTERY MFG	MO0006280804	FF Removal	001	11/4/81	10/6/82
07	MO	ACME BATTERY MFG	MO0006280804	FF Removal	002	6/27/84	8/5/84
07	MO	ANNAPOLIS LEAD MINE	MO0006988611	Fund Removal	003	5/5/87	6/26/87
07	MO	ARMOUR ROAD SITE	MO0046750253	Fund Removal	001	5/22/86	10/15/82
07	MO	ATKINS FARM	MO0171590079	Fund Removal	001	8/10/82	3/31/88
07	MO	B & B SALVAGE	MO000703275	Fund Removal	001	5/26/87	3/2/88
07	MO	BALDWIN PARK DUMP	MO09898033188	Fund Removal	001	11/16/87	6/22/88
07	MO	BALDWIN PARK DUMP	MO09898033188	Fund Removal	002	4/25/88	6/11/83
07	MO	BANNISTER RD SITE	MO0981116650	Fund Removal	001	6/14/83	11/19/83
07	MO	BANNISTER RD SITE	MO0981116650	Fund Removal	002	4/5/85	6/16/85
07	MO	BARRY HARBOR SUB-DIVISION LAKE	MO0002463263	Fund Removal	001	8/8/88	8/8/88
07	MO	BARTON STREET DRUM	MO098572920	Fund Removal	001	6/12/80	8/14/80
07	MO	BAXTER GARDENS	MO005482940	FF Removal	001	2/6/86	7/17/86
07	MO	BEE CEE MANUFACTURING CO	MO0989806522	Fund Removal	001	8/3/82	8/20/82
07	MO	BEE TREE PARK DRUMS	MO098572912	Fund Removal	001	6/12/80	3/13/81
07	MO	BELLE AVE SITE	MO0001276831	Fund Removal	001	5/29/87	6/24/87

07	MO	BIG RIVER MINE TAILINGS-ST. JOE MINERALS	MOD981126899	FF Removal	001	7/2/94	
07	MO	BIRMINGHAM ROAD DRUMS	MOD980520602	Fund Removal	001	8/15/93	8/11/93
07	MO	BLISS TANK FARM	MOD980633200	FF Removal	001	9/15/96	11/11/96
07	MO	BLISS TANK FARM	MOD980633200	Fund Removal	001	5/22/84	7/18/84
07	MO	BLUE RIVER FLOOD DRUM SITE	MOD981120959	Fund Removal	001	6/20/84	6/30/84
07	MO	BLUFF ELECTRIC WORKS	MOD985767821	FF Removal	001	6/29/90	7/25/90
07	MO	BLUFF ELECTRIC WORKS	MOD985767821	FF Removal	002	10/3/91	10/6/92
07	MO	BLUFF ELECTRIC WORKS	MOD985767821	FF Removal	003	9/1/92	10/16/92
07	MO	BM-ROLLA RESEARCH CENTER	MOSFN0703485	PRP Removal	003	10/20/98	11/20/98
07	MO	BONIFIELD BROTHERS TRUCKING	MOD980861684	Fund Removal	001	10/10/85	5/23/96
07	MO	BRANCH STREET DRUM SITE	MOD985767649	Fund Removal	001	4/5/89	10/18/89
07	MO	BRISTOL STEEL	MOD106564750	FF Removal	001	8/10/90	5/23/91
07	MO	BRISTOL STEEL	MOD106564750	FF Removal	002	8/21/96	9/21/96
07	MO	BROADWAY SALVAGE OIL DISPOSAL SITE #1	MOD981713317	Fund Removal	001	11/16/87	2/16/88
07	MO	BROADWAY SALVAGE OIL DISPOSAL SITE #3	MOD981713333	Fund Removal	001	5/12/82	6/27/82
07	MO	BUBBLING SPRINGS ARENA	MOD980741888	FF Removal	001	2/25/87	3/31/87
07	MO	BUCHANAN COUNTY DRUM SITE	MOD985774025	Fund Removal	001	1/22/81	3/13/91
07	MO	BUFFALO TOWNSHIP CYLINDER	MOD985911413	Fund Removal	001	4/28/82	4/29/82
07	MO	BULL MOOSE TUBE COMPANY	MOD062432315	FF Removal	002	11/7/96	11/15/96
07	MO	BUTLER DRUM	MOD985775105	Fund Removal	001	8/26/81	1/22/82
07	MO	BYERS COMMERCIAL STORAGE	MOD981706427	FF Removal	001	8/1/86	3/23/87
07	MO	BYERS COMMERCIAL STORAGE	MOD981706427	FF Removal	002	3/23/87	1/20/95
07	MO	BYERS COMMERCIAL STORAGE	MOD981706427	Fund Removal	001	3/2/88	2/6/92
07	MO	CALLOWAY MINING	MOD091427625	FF Removal	002	9/30/88	7/9/90
07	MO	CARTER CARBURETOR	MOD000822601	FF Removal	001	5/28/87	8/5/88
07	MO	CASTLEWOOD SWIM CLUB SUBSITE (SONTAG RD)	MOD981715675	FF Removal	001	11/12/06	8/6/09
07	MO	CASTLEWOOD SWIM CLUB SUBSITE (SONTAG RD)	MOD981715675	Fund Removal	001	8/2/83	4/9/84
07	MO	CASTLEWOOD SWIM CLUB SUBSITE (SONTAG RD)	MOD981715675	Fund Removal	002	7/1/85	5/20/88
07	MO	CHEMICAL RANCH	MOD985768803	FF Removal	001	5/2/95	7/31/95
07	MO	CHESTERFIELD TANK	MOD981715915	Fund Removal	001	3/24/87	3/27/87
07	MO	CHEVRON CHEMICAL CO - MARYLAND HEIGHTS	MOD006272355	FF Removal	001	7/15/87	
07	MO	CHRISTIAN COUNTY GROUNDWATER	MOD985795347	Fund Removal	001	5/6/93	2/23/95
07	MO	CLAYTON AND BOYLE DRUMS	MOD000381889	Fund Removal	001	12/5/94	7/26/91
07	MO	COLONY ROAD BATTERY	MOD981508187	Fund Removal	001	4/2/91	11/2/84
07	MO	COLUMBIA COAL GAS	MOD985808088	FF Removal	001	2/22/94	11/2/84
07	MO	COMMUNITY CHRISTIAN CHURCH	MOD03348819	FF Removal	001	10/3/96	10/16/96
07	MO	COMMUNITY CHRISTIAN CHURCH	MOD03348819	Fund Removal	001	6/19/84	7/19/84
07	MO	COUNTY MAINTENANCE DRUM	MOD000332037	Fund Removal	001	2/11/84	2/11/84
07	MO	CROOKED RIVER DRUM	MOD985767763	Fund Removal	001	9/2/88	9/2/88
07	MO	CROWN PLATING	MOD006287130	Fund Removal	001	9/18/89	2/19/91
07	MO	CROWN PLATING	MOD06287130	Fund Removal	002	4/12/96	12/19/95
07	MO	DEARBORN DRUMS	MOD981715865	Fund Removal	001	1/30/87	2/16/87
07	MO	DEFENSE MAPPING AGENCY - ST. LOUIS STORAGE ANNEX	MOS57096022	PRP Removal	001	3/30/92	

07	MO	DEFIANCE DUMP SITES	MOD980502272	Fund Removal	001	4/21/97	6/26/97
07	MO	DEFIANCE DUMP SITES	MOD980502272	Fund Removal	002	10/27/96	12/18/98
07	MO	DICKMOR ST DRUMS	MOD981715972	Fund Removal	001	6/22/87	6/2/86
07	MO	DICKHOENER PROPERTY	MOD981116122	Fund Removal	001	4/18/88	6/1/88
07	MO	DORMAN'S INDUSTRY	MOD981117443	Fund Removal	001	9/30/87	10/24/87
07	MO	DUGAN & HELTERBRAND	MOD980919248	Fund Removal	001	9/17/90	10/25/91
07	MO	EAST NORTH STREET - EUREKA	MOD980653428	FF Removal	001	11/15/84	11/15/84
07	MO	EAST NORTH STREET - EUREKA	MOD980653428	FF Removal	002	9/30/96	11/13/96
07	MO	EAST NORTH STREET - EUREKA	MOD980653428	Fund Removal	001	6/19/84	7/23/84
07	MO	EAST NORTH STREET - EUREKA	MOD980653428	Fund Removal	002	10/30/90	10/31/90
07	MO	EAST NORTH STREET - EUREKA	MOD980653428	Fund Removal	003	11/1/84	11/10/85
07	MO	EAST NORTH STREET - EUREKA	MOD980653428	Fund Removal	004	12/22/95	1/2/96
07	MO	EAST TEXAS MOTOR FREIGHT	MOD9809868380	FF Removal	001	10/15/87	11/14/88
07	MO	EAST TEXAS MOTOR FREIGHT	MOD9809868380	Fund Removal	001	9/14/94	6/18/96
07	MO	EGGEMAN DRUM SITE	MOD980741920	Fund Removal	001	9/12/89	1/30/90
07	MO	ELLISVILLE SITE	MOD980633010	Fund Removal	001	3/1/82	3/31/82
07	MO	ELLISVILLE SITE	MOD980633010	Fund Removal	002	6/7/80	7/31/80
07	MO	ELLISVILLE SITE	MOD980633010	Fund Removal	003	3/9/92	8/24/94
07	MO	ELLISVILLE SITE	MOD980633010	Fund Removal	004	9/26/97	9/30/97
07	MO	ERWIN FARM	MOD980741920	Fund Removal	001	8/18/85	10/3/85
07	MO	FARMLAND INDUSTRIES OLD INSECTICIDE PLT	MOD980502322	FF Removal	001	11/15/89	12/14/90
07	MO	FENTON CREEK DUMP	MOD986517493	FF Removal	001	1/20/87	
07	MO	FERGUSON FUMIGANTS INC	MOD006272736	FF Removal	001	5/28/87	3/13/89
07	MO	FERRELL GAS CHLORIDE CYLINDER	MOD001900612	Fund Removal	001	4/10/97	4/11/97
07	MO	FERRY STREET DRUMS	MOD985806553	Fund Removal	001	4/16/92	7/22/92
07	MO	FOLSOM STREET DRUMS	MOD985806546	Fund Removal	001	7/17/92	10/30/92
07	MO	FORMER WITTER CO SITE	MOD001271824	Fund Removal	001	3/6/87	4/29/87
07	MO	FOUR RIDGE RD DRUM SITE	MOD000735985	Fund Removal	001	12/5/84	6/28/85
07	MO	FRUIT STANDS	MOD980973036	FF Removal	001	2/24/97	8/5/98
07	MO	FRUIT STANDS	MOD980973036	Fund Removal	001	9/5/80	7/30/81
07	MO	FYLER ROAD DRUMS	MOD0041301086	Fund Removal	001	12/5/94	3/2/95
07	MO	GARFIELD STREET DRUMS	MOD985772938	Fund Removal	001	6/12/90	8/14/90
07	MO	GATEWAY (EX) ARMY AMMUNITION PLANT	MO1210020813	PRP Removal	001	8/22/83	11/1/83
07	MO	GENERALLY HAULING SANITARY LDF	MOD030769539	Fund Removal	001	10/13/86	12/18/87
07	MO	GENERALLY HAULING SANITARY LDF	MOD981126113	FF Removal	001	12/11/90	2/6/92
07	MO	GIST ROAD DRUMS	MOD000383232	Fund Removal	001	12/5/94	2/23/95
07	MO	GREAT LAKES CONTAINER CORP - ST LOUIS	MOD086827359	Fund Removal	001	1/23/96	2/16/96
07	MO	GREAT LAKES CONTAINER CORP - ST LOUIS	MOD086827359	Fund Removal	002	9/9/97	10/15/98
07	MO	HADLEY STREET	MOD063968119	Fund Removal	001	8/3/82	1/8/83
07	MO	HAMILL TRANSFER CO	MOD009585869	FF Removal	001	4/15/86	8/31/86
07	MO	HANDY STREET CALCIUM ARSENATE SITE	MOD000001651	Fund Removal	001	1/18/94	2/14/94
07	MO	HAPPY HOLLOW PAINT	MOD985797521	Fund Removal	001	7/12/91	11/14/91
07	MO	HARLEM DRUM	MOD985769710	Fund Removal	001	9/28/89	3/1/90

07	MO	NEOSHO WATER & WASTEWATER SCHOOL	MOD980633127	Fund Removal	001	10/22/85	3/12/86
07	MO	NEWTON COUNTY MINE TAILINGS	MOD981507585	FF Removal	001	6/21/86	
07	MO	NEWTON COUNTY MINE TAILINGS	MOD981507585	Fund Removal	001	4/13/88	
07	MO	NEWTON COUNTY MINE TAILINGS	MOD981507585	Fund Removal	002	6/8/88	
07	MO	NEWTON COUNTY WELLS	MOD985798339	Fund Removal	001	8/15/91	10/3/94
07	MO	NGPCA - JACKSON - 309	MOD985798901	FF Removal	001	9/11/89	12/15/89
07	MO	NGPCA - JACKSON - 309	MOD985798901	FF Removal	002	11/16/90	8/22/91
07	MO	NORTH 16TH STREET DRUM SITE	MOD985798901	FF Removal	003	4/17/92	12/15/92
07	MO	NORTH END SITE	MOD002003009	FF Removal	001	4/6/98	9/8/98
07	MO	NORTH U DRIVE PCB'S	MOD985781334	FF Removal	001	6/29/90	7/31/91
07	MO	NORTH U DRIVE WELL CONTAMINATION	MOD981708696	Fund Removal	001	9/14/87	9/25/87
07	MO	NORTHEAST DRUMS	MOD007183108	Fund Removal	001	3/25/85	11/7/85
07	MO	ODESSA MANUFACTURING CO	MOD001245604	Fund Removal	001	10/18/85	12/7/85
07	MO	ORONOGO-DUENWEG MINING BELT	MOD986767771	Fund Removal	001	9/1/88	9/2/88
07	MO	ORONOGO-DUENWEG MINING BELT	MOD98686281	FF Removal	001	12/22/93	
07	MO	ORONOGO-DUENWEG MINING BELT	MOD98686281	Fund Removal	001	11/8/84	
07	MO	OSCEOLA MERCURY SITE	MOD980666281	Fund Removal	002	3/13/95	3/12/96
07	MO	OZARK DRUM	MOD001038744	Fund Removal	001	1/25/95	3/15/95
07	MO	PACIFIC METAL FINISHING	MOD001038744	Fund Removal	001	10/8/87	10/8/87
07	MO	PEERLESS INDUSTRIAL PAINT COATINGS	MODSFN0703498	Fund Removal	001	6/10/83	10/8/83
07	MO	PHILLIPSBURG MERCURY SITE	MOD006291678	Fund Removal	001	12/3/98	12/3/98
07	MO	PIAZZA ROAD SITE	MODSFN0703464	FF Removal	001	3/25/96	11/29/96
07	MO	PIAZZA ROAD SITE	MOD986686618	Fund Removal	001	9/5/89	12/14/90
07	MO	POLLOCK SITE	MOD986686618	FF Removal	001	2/15/85	2/15/85
07	MO	POOLock SITE	MOD986686618	Fund Removal	001	3/28/88	5/4/89
07	MO	POOLS PRAIRIE	MOD986686618	FF Removal	001	3/6/98	
07	MO	POOLS PRAIRIE	MOD000958835	FF Removal	001	9/16/98	
07	MO	POOLS PRAIRIE	MOD000958835	PRP Removal	005	10/1/98	
07	MO	PRIER BRASS MFG CO	MOD000958835	Fund Removal	001	3/6/95	2/1/96
07	MO	PUTNAM COUNTY PESTICIDE	MOD007125214	Fund Removal	001	3/11/94	3/1/95
07	MO	QUAIL RUN MOBILE MANOR	MOD000230052	Fund Removal	001	9/4/96	9/30/96
07	MO	QUAIL RUN MOBILE MANOR	MOD98686634	FF Removal	001	5/16/83	12/15/87
07	MO	QUAIL RUN MOBILE MANOR	MOD98686634	Fund Removal	001	11/27/89	11/2/85
07	MO	QUALITY PLATING	MOD98686634	Fund Removal	002	8/24/92	9/15/92
07	MO	R & O PROCESSORS - HWY 60	MOD980686703	Fund Removal	001	11/4/91	4/10/92
07	MO	RAY COUNTY DRUM SITE	MOD980686555	Fund Removal	001	3/24/97	7/17/87
07	MO	RAY'S AUTOMOTIVE SUPPLY	MOD980653931	FF Removal	001	5/28/97	
07	MO	RESOURCE SERVICES INC	MOD001891845	FF Removal	001	9/16/88	3/13/89
07	MO	RIVERFRONT LANDFILL	MOD98050960	FF Removal	001	7/10/87	1/27/85
07	MO	ROBERTS STREET DRUM	MOD985767789	Fund Removal	001	9/2/88	9/2/88
07	MO	ROCK CREEK WASTE TREATMENT FACILITIES	MOT300010808	Fund Removal	001	2/23/93	8/22/93
07	MO	ROCKWOOD SCHOOL DIST SUBSITE - EUREKA	MOD981716667	Fund Removal	001	6/19/84	7/23/84

07	MO	ROCKWOOD SCHOOL DIST SUBSITE - EUREKA	MOD981715667	Fund Removal	001	10/31/90	10/31/90
07	MO	RON EMMONS POST & LUMBER	MOD985797547	Fund Removal	002	6/6/93	12/23/93
07	MO	ROSE, MARTHA CHEMICAL CO	MOD980633069	FF Removal	001	4/1/86	5/23/86
07	MO	ROSE, MARTHA CHEMICAL CO	MOD980633069	FF Removal	002	10/20/86	11/12/87
07	MO	ROSE, MARTHA CHEMICAL CO	MOD980633069	FF Removal	003	11/12/87	10/25/88
07	MO	RUSHA, BOB FARM	MOD980603150	Fund Removal	001	8/18/85	11/1/85
07	MO	SADDLE & SPUR ARENA	MOD980605036	Fund Removal	001	8/22/88	8/15/89
07	MO	SALINE CREEK SITE	MOD980502470	FF Removal	001	2/9/84	2/29/84
07	MO	SCHOOL STREET DRUM SITE	MOD985767631	Fund Removal	001	5/11/89	3/22/90
07	MO	SCHUSTER FARM	MOD120090669	Fund Removal	001	5/29/90	11/2/90
07	MO	SCOTT LUMBER CO INC	MOD068531003	FF Removal	001	7/16/87	8/24/87
07	MO	SECOND STREET DRUMS	MOD001092139	Fund Removal	001	4/27/95	7/13/95
07	MO	SHELTON PROPERTY	MOD001276930	Fund Removal	001	8/6/86	2/24/97
07	MO	SHENANDOAH STABLES	MOD980685938	Fund Removal	001	4/27/83	8/18/88
07	MO	SOLID STATE CIRCUITS, INC	MOD980654111	FF Removal	001	3/1/84	3/6/85
07	MO	SOUTH CITY INCINERATOR	MOD985767623	Fund Removal	001	4/6/89	12/13/89
07	MO	SOUTHERN CROSS LUMBER	MOD980685176	FF Removal	001	11/1/86	8/19/87
07	MO	SOUTHWESTERN BELL EUREKA SITE	MOD981497514	FF Removal	001	10/27/87	5/9/88
07	MO	SOUTHWESTERN BELL EUREKA SITE	MOD981497514	FF Removal	002	9/26/96	11/11/96
07	MO	SOUTHWOOD LAGOON SITE	MOD985773183	FF Removal	001	3/15/91	7/21/92
07	MO	SPRUCE STREET DRUMS	MOD985792225	Fund Removal	001	10/6/90	3/13/91
07	MO	ST JOSEPH CITY LANDFILL - MACARTHUR DR	MOD980602306	FF Removal	001	7/20/86	3/30/88
07	MO	ST JOSEPH CITY LANDFILL - MACARTHUR DR	MOD980602306	FF Removal	002	1/27/87	9/16/88
07	MO	ST LOUIS AIRPORT DRUM SITE	MOD985767615	FF Removal	001	7/6/88	10/26/88
07	MO	ST LOUIS AIRPORT/HIS/FUTURA COATINGS CO	MOD980633176	FF Removal	002	4/3/85	9/29/85
07	MO	ST LOUIS AIRPORT/HIS/FUTURA COATINGS CO	MOD980633176	FF Removal	003	10/17/94	3/15/95
07	MO	ST LOUIS AIRPORT/HIS/FUTURA COATINGS CO	MOD980633176	PRP Removal	001	5/1/86	11/22/86
07	MO	ST LOUIS AIRPORT/HIS/FUTURA COATINGS CO	MOD980633176	PRP Removal	002	8/20/86	12/1/88
07	MO	ST LOUIS AIRPORT/HIS/FUTURA COATINGS CO	MOD980633176	PRP Removal	003	9/22/97	1/15/88
07	MO	ST LOUIS AIRPORT/HIS/FUTURA COATINGS CO	MOD981723390	Fund Removal	004	7/1/88	3/22/83
07	MO	ST LOUIS AIRPORT/HIS/FUTURA COATINGS CO	MOD980633176	PRP Removal	005	7/1/88	2/10/95
07	MO	ST LOUIS AIRPORT/HIS/FUTURA COATINGS CO	MOD981723390	Fund Removal	001	12/8/82	12/19/86
07	MO	ST VINCENT AVENUE DRUMS	MOD001038251	FF Removal	001	2/7/95	2/10/95
07	MO	STANDARD ASBESTOS CO	MOD007146889	FF Removal	001	12/19/86	2/9/84
07	MO	STEWART SANITARY SUPPLY	MOD082265384	FF Removal	001	2/2/84	2/9/84
07	MO	STORE SAFE EXPLOSIVES	MOD985766013	Fund Removal	001	4/23/88	8/9/88
07	MO	STRINGBERG DRUM	MOD985772516	Fund Removal	001	4/24/90	8/14/90
07	MO	SUPERIOR SOLVENTS & CHEMICALS INC	MOD079910600	FF Removal	001	12/4/87	12/18/87
07	MO	SUPERIOR SOLVENTS & CHEMICALS INC	MOD079910600	FF Removal	002	10/3/90	1/23/92
07	MO	SYNTEX FACILITY	MOD007452164	FF Removal	001	8/20/87	9/29/88
07	MO	SYNTEX FACILITY LAGOON	MOD095038329	FF Removal	001	8/23/88	1/31/88
07	MO	TALLEY, ROYAL FARM	MOD980685360	Fund Removal	001	8/19/85	11/4/85
07	MO	TILLMAN HOUSE SITE	MOD002458149	Fund Removal	001	8/7/98	8/14/98

07	MO	TIMBERLINE STABLES	MOD980685653	Fund Removal	001	4/16/88	11/2/88
07	MO	TIMBERLINE STABLES	MOD980685653	Fund Removal	002	6/30/85	7/2/95
07	MO	TIMES BEACH SITE	MOD980685226	Fund Removal	001	2/10/82	7/29/97
07	MO	TIMES BEACH SITE	MOD980685226	Fund Removal	002	4/2/95	6/9/97
07	MO	TONNAR SALVAGE	MOD980685226	Fund Removal	003	10/27/97	2/19/98
07	MO	TROY RADIUM SITE	MO0001897917	FF Removal	001	4/17/88	12/7/98
07	MO	TROY RADIUM SITE	MO0001897917	Fund Removal	002	3/20/97	3/20/97
07	MO	TROY RADIUM SITE	MO0001897917	Fund Removal	003	4/28/88	6/4/98
07	MO	TRUMAN MERCURY	MO0001411962	Fund Removal	001	6/4/88	7/2/88
07	MO	UNION ELECTRIC CO - ASHLEY PLANT	MO0000805499	FF Removal	001	5/15/85	11/27/97
07	MO	UNION ELECTRIC CO - DORSETT	MO0000805499	FF Removal	001	5/15/85	5/15/85
07	MO	UNION ELECTRIC FIRE SCHOOL	MOD981715849	FF Removal	001	8/16/88	4/10/89
07	MO	US POLYMERS CORP	MOD980973630	FF Removal	001	5/28/85	9/27/87
07	MO	VALLEY GARDEN ROAD	MOD981718042	FF Removal	001	11/15/84	4/27/87
07	MO	VALLEY PARK TCE	MOD9809868341	FF Removal	001	3/21/85	7/3/85
07	MO	VALLEY PARK TCE	MOD9809868341	FF Removal	002	2/15/85	9/30/87
07	MO	VICTOR PRODUCTS INC - DELMAR ST	MOD980985599	Fund Removal	001	8/7/80	9/30/87
07	MO	VICTOR PRODUCTS INC - FRANKLIN ST	MOD981715849	Fund Removal	001	3/29/84	5/2/84
07	MO	VOLNER LANE DRUM SITE	MOD000752675	Fund Removal	001	3/28/84	5/2/84
07	MO	WAGNER ELECTRIC	MOD980970032	FF Removal	001	12/5/84	1/31/85
07	MO	WALL'S RESIDENCE SUBSITE (PIAZZA RD)	MOD981715709	FF Removal	001	3/27/85	8/17/88
07	MO	WALL'S RESIDENCE SUBSITE (PIAZZA RD)	MOD981715709	Fund Removal	002	6/17/83	
07	MO	WALLY'S POLISHING SHOP	MO000089998	Fund Removal	001	8/24/88	7/2/89
07	MO	WASHINGTON AVE DRUMS	MO0000833240	Fund Removal	001	12/12/94	1/10/96
07	MO	WELDON SPRING FORMER ARMY ORDNANCE WORKS	MO5210021288	PRP Removal	001	12/5/84	2/23/85
07	MO	WELDON SPRING FORMER ARMY ORDNANCE WORKS	MO5210021288	PRP Removal	002	10/17/81	10/30/91
07	MO	WELDON SPRING FORMER ARMY ORDNANCE WORKS	MO5210021288	PRP Removal	003	6/12/82	6/18/92
07	MO	WELDON SPRING QUARRY/PLANT/PITTS (USDOE)	MO3210090004	PRP Removal	001	11/19/92	9/30/93
07	MO	WELDON SPRING QUARRY/PLANT/PITTS (USDOE)	MO3210090004	PRP Removal	002	5/20/87	12/28/90
07	MO	WELDON SPRING QUARRY/PLANT/PITTS (USDOE)	MO3210090004	PRP Removal	003	10/9/87	10/2/80
07	MO	WELDON SPRING QUARRY/PLANT/PITTS (USDOE)	MO3210090004	PRP Removal	004	11/1/87	1/15/88
07	MO	WELDON SPRING QUARRY/PLANT/PITTS (USDOE)	MO3210090004	PRP Removal	005	11/9/87	11/22/91
07	MO	WELDON SPRING QUARRY/PLANT/PITTS (USDOE)	MO3210090004	PRP Removal	006	10/1/88	4/28/89
07	MO	WELDON SPRING QUARRY/PLANT/PITTS (USDOE)	MO3210090004	PRP Removal	007	8/27/80	11/15/92
07	MO	WELDON SPRING QUARRY/PLANT/PITTS (USDOE)	MO3210090004	PRP Removal	008	8/27/80	2/15/93
07	MO	WELDON SPRING QUARRY/PLANT/PITTS (USDOE)	MO3210090004	PRP Removal	009	11/1/87	3/15/92
07	MO	WELDON SPRING QUARRY/PLANT/PITTS (USDOE)	MO3210090004	PRP Removal	010	5/15/91	11/5/95
07	MO	WESTERN CHEMICAL DRUM NODAWAY/WESTON	MOD981715477	Fund Removal	001	10/30/97	5/15/98
07	MO	WILCOX, MURRAY PROPERTY	MOD98118664	Fund Removal	001	2/18/87	2/20/87
07	MO	WILLIAMS COMPRESSOR STATION - PECULIAR	MOD985798271	FF Removal	002	4/18/87	4/28/87
07	MO	WILLIAMS COMPRESSOR STATION - PIERCE CTY	MOD985798253	FF Removal	001	3/17/87	4/10/87
07	MO	WILLIAMS COMPRESSOR STATION - PIERCE CTY	MOD985798253	FF Removal	002	3/12/87	4/17/87

07	MO	WILLOW ST DRUM SITE	MO0000735845	FF Removal	001	9/29/94	9/29/94	9/29/94
07	MO	ZYKAN LANDFILL	MO0001574680	Fund Removal	001	10/27/97	10/27/97	10/27/97
07	NE	BRUNG COOP & ASSOCIATED PROPERTIES	NE0981713829	Fund Removal	001	5/3/89	5/3/89	10/31/90
07	NE	CATHER & SONS CONSTRUCTION	NE0001327709	FF Removal	001	7/21/97	7/21/97	12/30/97
07	NE	CLEBURN STREET WELL	NE0981499312	Fund Removal	001	8/16/93	8/16/93	6/22/98
07	NE	CORNHUSKER ARMY AMMUNITION PLANT	NE2113820234	PRP Removal	001	4/17/87	7/20/86	7/20/86
07	NE	CORNHUSKER ARMY AMMUNITION PLANT	NE2113820234	PRP Removal	002	7/1/92	4/17/95	4/17/95
07	NE	CORNHUSKER ARMY AMMUNITION PLANT	NE2113820234	PRP Removal	003	8/20/93	10/1/93	10/1/93
07	NE	CRAIG GROUNDWATER CONTAMINATION	NE0001985431	FF Removal	001	7/1/87	7/3/87	7/3/87
07	NE	ECONOMY PRODUCTS CO INC - OMAHA	NE0665122087	Fund Removal	001	7/16/84	10/28/85	10/28/85
07	NE	ECONOMY PRODUCTS CO INC - OMAHA	NE0665122087	Fund Removal	002	9/15/89	9/13/94	9/13/94
07	NE	EMERALD GROUNDWATER CONTAMINATION	NE0983692339	Fund Removal	001	3/4/92	10/4/93	10/4/93
07	NE	ENVIRONMENTAL SERVICES INC - OMAHA	NE0000610576	FF Removal	001	9/14/84	10/12/84	10/12/84
07	NE	FREMONT TRIZONE CYLINDER	NE0980636830	Fund Removal	001	3/8/89	6/12/89	6/12/89
07	NE	GLAUSTONE GW CONTAMINATION	NE0980394634	Fund Removal	001	9/21/92	10/9/92	10/9/92
07	NE	GRAIN STORAGE BIN GW CONTAM - MURDOCK	NE1120090021	FF Removal	001	9/28/87	4/7/89	4/7/89
07	NE	GRAIN STORAGE BIN GW CONTAM - MURDOCK	NE1120090021	Fund Removal	001	1/21/86	2/26/86	2/26/86
07	NE	GRAIN STORAGE BIN GW CONTAM - MURDOCK	NE1120090021	Fund Removal	002	5/13/86	3/19/87	3/19/87
07	NE	GRANT STREET ABANDONED PAINT	NE002464162	Fund Removal	001	9/3/98	10/5/98	10/5/98
07	NE	HASTINGS GROUND WATER CONTAMINATION	NE0980862668	FF Removal	001	10/26/89	12/23/89	12/23/89
07	NE	HASTINGS GROUND WATER CONTAMINATION	NE0980862668	FF Removal	002	9/27/94	4/6/95	4/6/95
07	NE	HASTINGS GROUND WATER CONTAMINATION	NE0980862668	FF Removal	003	9/27/95		
07	NE	HASTINGS GROUND WATER CONTAMINATION	NE0980862668	FF Removal	005	9/16/96		
07	NE	HASTINGS GROUND WATER CONTAMINATION	NE0980862668	FF Removal	007	3/26/96		
07	NE	HASTINGS GROUND WATER CONTAMINATION	NE0980862668	PRP Removal	001	8/1/96		
07	NE	HASTINGS GROUND WATER CONTAMINATION	NE0980862668	PRP Removal	004	11/15/96		
07	NE	HASTINGS GROUND WATER CONTAMINATION	NE0980862668	Fund Removal	001	12/2/87	9/9/98	9/9/98
07	NE	HASTINGS GROUND WATER CONTAMINATION	NE0980862668	Fund Removal	002	9/18/96	12/29/87	12/29/87
07	NE	HASTINGS GROUND WATER CONTAMINATION	NE0980862668	Fund Removal	001	10/5/87	12/7/87	12/7/87
07	NE	HOFFMAN DRUMS	NE0981719659	Fund Removal	001	3/19/84	3/31/84	3/31/84
07	NE	LORENZ-MARCY STREET SITE	NE0980859862	FF Removal	001	7/2/93	7/27/93	7/27/93
07	NE	MARTELL WELLS	NE0980636530	Fund Removal	001	2/21/89	8/2/89	8/2/89
07	NE	NEBRASKA ORDINANCE PLANT (FORMER)	NE0211890011	FF Removal	002	6/6/94	7/29/94	7/29/94
07	NE	NEBRASKA ORDINANCE PLANT (FORMER)	NE0211890011	FF Removal	003	7/15/94	7/18/94	7/18/94
07	NE	NEBRASKA ORDINANCE PLANT (FORMER)	NE0211890011	PRP Removal	001	5/20/97	6/3/97	6/3/97
07	NE	NEBRASKA ORDINANCE PLANT (FORMER)	NE0211890011	Fund Removal	001	2/21/89	8/22/89	8/22/89
07	NE	NEBRASKA ORDINANCE PLANT (FORMER)	NE0211890011	Fund Removal	001	7/3/90	7/11/90	7/11/90
07	NE	OMAHA CAR WASH	NE0986370005	PRP Removal	001	1/29/98	3/11/98	3/11/98
07	NE	PARKER RAILCAR SERVICES	NE0001129733	FF Removal	001	1/16/93	6/30/94	6/30/94
07	NE	PIPE & PILING SUPPLIES	NE0001092105	FF Removal	001	9/13/93	10/30/93	10/30/93
07	NE	PIPE & PILING AVOCA	NE0000966336	Fund Removal	001	12/9/93	9/29/94	9/29/94
07	NE	RIVERSIDE BLVD DRUMS	NE0000053199	Fund Removal	001	8/27/93	12/16/93	12/16/93
07	NE	ROKERY ROAD DRUM	NE0004626100	Fund Removal	001	2/1/88	9/6/89	9/6/89
07	NE	SHERWOOD MEDICAL CO						

07	NE	SUNOL LYE SPILL	NE098369742	Fund Removal	001	5/8/80	8/21/80
07	NE	SUPERIOR STREET DRUM	NE000131222	Fund Removal	001	1/22/86	4/28/86
07	NE	TAMORA GW CONTAMINATION	NE098369426	Fund Removal	001	9/8/82	12/31/86
07	NE	UTICA PUBLIC WATER SUPPLY	NE0981712383	Fund Removal	001	9/30/87	3/1/89
07	NE	WALTON GROUND WATER CONTAMINATION	NE098368926	Fund Removal	001	5/28/80	12/18/81
07	NE	WESTERN AREA POWER ADMIN - FOUNDRY SITE	NE0980090043	Fund Removal	001	2/13/85	2/28/85
07	NE	WILLIS PYROLIZER CO	NE0051847695	FF Removal	001	1/1/85	10/1/86
07	NE	WYMORE EXPLOSIVES	NE0001201136	Fund Removal	001	9/1/85	9/1/85
07	NE	YORK PUBLIC WATER SUPPLY	NE098369881	Fund Removal	001	4/1/81	10/31/91
08	CO	19TH ROAD DRUMS	CO0983802892	Fund Removal	001	2/9/84	3/17/94
08	CO	54TH STREET DRUMS	CO0002364131	Fund Removal	001	4/17/88	8/24/88
08	CO	AERROCO	CO0001924208	FF Removal	001	9/19/88	12/28/90
08	CO	ALLISON STREET DRUMS	CO0983794668	FF Removal	001	6/2/87	10/15/87
08	CO	ALPINE MATERIALS	CO0001924208	FF Removal	001	2/4/83	4/7/83
08	CO	ARKANSAS RIVER LAGOON	CO0002342251	Fund Removal	001	8/19/88	8/31/88
08	CO	AUSTIN BLUFFS DRUMS	CO0982572224	Fund Removal	001	9/23/89	10/13/89
08	CO	BADGER MERCURY	CO0001992583	Fund Removal	001	6/25/87	7/24/87
08	CO	BLACK FOREST DRUMS	CO0982572166	FF Removal	001	7/10/89	9/20/90
08	CO	BRIGHTON DRUM	CO0983766056	Fund Removal	001	8/28/88	11/21/88
08	CO	BUFFALO CREEK DRUMS	CO0983747479	Fund Removal	001	2/20/91	7/22/91
08	CO	BYERS DRUM SITE	CO0983790486	Fund Removal	001	11/10/82	12/28/82
08	CO	CALIFORNIA GULCH	CO0980717938	FF Removal	002	12/14/90	8/31/92
08	CO	CALIFORNIA GULCH	CO0980717938	FF Removal	003	8/4/95	6/30/98
08	CO	CALIFORNIA GULCH	CO0980717938	FF Removal	004	7/19/96	6/30/98
08	CO	CALIFORNIA GULCH	CO0980717938	FF Removal	005	8/4/95	6/30/98
08	CO	CALIFORNIA GULCH	CO0980717938	FF Removal	007	6/10/87	5/28/88
08	CO	CALIFORNIA GULCH	CO0980717938	FF Removal	008	6/10/87	5/28/88
08	CO	CALIFORNIA GULCH	CO0980717938	FF Removal	008	8/12/87	5/28/88
08	CO	CALIFORNIA GULCH	CO0980717938	FF Removal	010	9/12/87	5/28/88
08	CO	CALIFORNIA GULCH	CO0980717938	FF Removal	011	9/12/87	5/28/88
08	CO	CALIFORNIA GULCH	CO0980717938	FF Removal	012	9/12/87	5/28/88
08	CO	CALIFORNIA GULCH	CO0980717938	FF Removal	013	9/12/87	5/28/88
08	CO	CALIFORNIA GULCH	CO0980717938	FF Removal	014	9/12/87	7/22/88
08	CO	CALIFORNIA GULCH	CO0980717938	FF Removal	015	7/30/87	5/28/88
08	CO	CALIFORNIA GULCH	CO0980717938	FF Removal	016	10/1/87	5/28/88
08	CO	CALIFORNIA GULCH	CO0980717938	FF Removal	017	12/1/87	12/15/88
08	CO	CALIFORNIA GULCH	CO0980717938	FF Removal	018	6/8/88	12/15/88
08	CO	CALIFORNIA GULCH	CO0980717938	FF Removal	019	10/21/87	5/28/88
08	CO	CALIFORNIA GULCH	CO0980717938	FF Removal	022	1/8/87	5/28/88
08	CO	CALIFORNIA GULCH	CO0980717938	FF Removal	023	4/1/87	5/28/88
08	CO	CALIFORNIA GULCH	CO0980717938	FF Removal	024	7/1/86	5/28/88
08	CO	CALIFORNIA GULCH	CO0980717938	FF Removal	025	5/20/86	5/28/88
08	CO	CALIFORNIA GULCH	CO0980717938	FF Removal	026	7/1/86	5/28/88

06	CO	CALIFORNIA GULCH	COD980717938	FF Removal	027	8/15/98	5/26/98
06	CO	CALIFORNIA GULCH	COD980717938	FF Removal	028	8/29/98	5/26/98
06	CO	CALIFORNIA GULCH	COD980717938	FF Removal	029	8/30/98	5/26/98
06	CO	CALIFORNIA GULCH	COD980717938	FF Removal	030	10/31/95	6/30/98
06	CO	CALIFORNIA GULCH	COD980717938	FF Removal	031	8/4/95	6/30/98
06	CO	CALIFORNIA GULCH	COD980717938	FF Removal	032	6/11/98	2/5/99
06	CO	CALIFORNIA GULCH	COD980717938	FF Removal	034	7/7/98	12/15/98
06	CO	CALIFORNIA GULCH	COD980717938	FF Removal	035	7/7/98	12/15/98
06	CO	CALIFORNIA GULCH	COD980717938	FF Removal	037	7/7/98	12/15/98
06	CO	CALIFORNIA GULCH	COD980717938	FF Removal	038	7/7/98	12/15/98
06	CO	CALIFORNIA GULCH	COD980717938	FF Removal	039	7/7/98	12/15/98
06	CO	CALIFORNIA GULCH	COD980717938	FF Removal	040	6/8/98	12/15/98
06	CO	CALIFORNIA GULCH	COD980717938	FF Removal	041	8/17/98	12/15/98
06	CO	CALIFORNIA GULCH	COD980717938	FF Removal	042	8/17/98	12/15/98
06	CO	CALIFORNIA GULCH	COD980717938	FF Removal	043	8/17/98	12/15/98
06	CO	CALIFORNIA GULCH	COD980717938	FF Removal	044	9/24/98	12/15/98
06	CO	CALIFORNIA GULCH	COD980717938	FF Removal	045	9/24/98	12/15/98
06	CO	CALIFORNIA GULCH	COD980717938	FF Removal	046	9/24/98	12/15/98
06	CO	CALIFORNIA GULCH	COD980717938	FF Removal	047	9/24/98	12/15/98
06	CO	CALIFORNIA GULCH	COD980717938	FF Removal	048	8/28/98	12/15/98
06	CO	CALIFORNIA GULCH	COD980717938	FF Removal	049	9/3/98	12/15/98
06	CO	CALIFORNIA GULCH	COD980717938	FF Removal	050	9/17/98	12/15/98
06	CO	CALIFORNIA GULCH	COD980717938	FF Removal	051	10/5/98	12/15/98
06	CO	CALIFORNIA GULCH	COD980717938	FF Removal	052	10/22/98	12/15/98
06	CO	CALIFORNIA GULCH	COD980717938	FF Removal	053	10/22/98	12/15/98
06	CO	CALIFORNIA GULCH	COD980717938	Fund Removal	001	2/15/98	5/29/98
06	CO	CALIFORNIA GULCH	COD980717938	Fund Removal	002	9/9/94	9/20/94
06	CO	CALIFORNIA GULCH	COD980717938	Fund Removal	003	8/24/95	8/19/98
06	CO	CALIFORNIA GULCH	COD980717938	Fund Removal	005	7/29/96	
06	CO	CALIFORNIA GULCH	COD980717938	Fund Removal	006	5/1/96	8/19/98
06	CO	CALIFORNIA GULCH	COD980717938	Fund Removal	007	9/23/97	
06	CO	CALIFORNIA GULCH	COD980717938	Fund Removal	008	6/4/93	6/4/93
06	CO	CALIFORNIA GULCH	COD980717938	Fund Removal	009	7/31/95	8/18/98
06	CO	CALIFORNIA GULCH	COD980717938	Fund Removal	011	8/31/95	8/18/98
06	CO	CALIFORNIA GULCH	COD980717938	Fund Removal	012	8/31/96	8/18/98
06	CO	CALIFORNIA GULCH	COD980717938	Fund Removal	013	9/6/96	6/30/98
06	CO	CALIFORNIA GULCH	COD980717938	Fund Removal	014	8/24/97	
06	CO	CALIFORNIA GULCH	COD980717938	Fund Removal	015	5/26/98	7/2/98
06	CO	CALIFORNIA GULCH	COD980717938	Fund Removal	016	4/7/97	6/30/98
06	CO	CALIFORNIA GULCH	COD980717938	Fund Removal	017	7/15/98	12/15/98
06	CO	CALIFORNIA GULCH	COD980717938	Fund Removal	018	10/26/98	
06	CO	CALMET	COD983767443	FF Removal	001	4/8/91	8/21/91
06	CO	CAMAX	COD108495227	Fund Removal	001	10/1/86	3/2/87

08	CO	CAPTAIN JACK MILL	COD981551427	Fund Removal	001	12/8/87	1/28/88
08	CO	CENTRAL CITY-CLEAR CREEK	COD980717557	FF Removal	001	6/15/93	6/16/93
08	CO	CENTRAL CITY-CLEAR CREEK	COD980717557	FF Removal	002	8/23/93	9/23/94
08	CO	CENTRAL CITY-CLEAR CREEK	COD980717557	FF Removal	003	12/8/93	6/9/94
08	CO	CENTRAL CITY-CLEAR CREEK	COD980717557	FF Removal	004	12/15/93	4/29/94
08	CO	CENTRAL CITY-CLEAR CREEK	COD980717557	FF Removal	005	1/4/94	4/29/94
08	CO	CENTRAL CITY-CLEAR CREEK	COD980717557	FF Removal	006	10/30/95	4/19/96
08	CO	CENTRAL CITY-CLEAR CREEK	COD980717557	FF Removal	007	6/8/95	6/9/95
08	CO	CENTRAL CITY-CLEAR CREEK	COD980717557	FF Removal	008	9/21/96	11/10/96
08	CO	CENTRAL CITY-CLEAR CREEK	COD980717557	Fund Removal	001	3/27/87	4/29/87
08	CO	CENTRAL CITY-CLEAR CREEK	COD980717557	Fund Removal	002	9/30/87	12/9/88
08	CO	CENTRAL CITY-CLEAR CREEK	COD980717557	Fund Removal	003	8/1/91	9/14/91
08	CO	CENTRAL CITY-CLEAR CREEK	COD980717557	Fund Removal	004	8/12/96	11/12/96
08	CO	CENTRAL CITY-CLEAR CREEK	COD980717557	Fund Removal	005	9/21/98	12/14/98
08	CO	CHEMICAL HANDLING CORP	COD982598047	Fund Removal	001	3/21/92	6/18/93
08	CO	CHEMICAL SALES CO	COD007431620	Fund Removal	001	2/11/89	10/2/89
08	CO	CHEMICAL SOLVENTS	COD982572570	Fund Removal	001	3/6/90	9/27/90
08	CO	CLEAR CREEK PINTO BEAN	COD001910819	FF Removal	001	5/8/96	5/9/96
08	CO	COLLEGE OF THE CANON % ERNEST BAUMAN	COD116263781	FF Removal	001	10/7/97	
08	CO	COLORADO SCHOOL OF MINES RIUCREEKSIDE	COD000823401	FF Removal	001	1/4/95	9/26/96
08	CO	COLORADO SCHOOL OF MINES RIUCREEKSIDE	COD000823401	Fund Removal	001	5/19/92	12/11/95
08	CO	COLORADO SCHOOL OF MINES RIUCREEKSIDE	COD000823401	Fund Removal	002	10/25/94	
08	CO	COLORADO SCHOOL OF MINES RIUCREEKSIDE	COD000823401	Fund Removal	001	5/5/96	6/18/96
08	CO	COUNTY LINE MERCURY	CO0002333078	Fund Removal	001	3/20/98	3/23/98
08	CO	CRAIG MERCURY	CO0007809938	Fund Removal	001	9/5/92	11/19/92
08	CO	DECATUR PCB CAPICITORS	COD983794652	Fund Removal	001	2/6/99	4/12/99
08	CO	DENVER POTASSIUM CYANIDE	CO0007809938	Fund Removal	001	6/29/93	8/27/93
08	CO	DENVER RADIUM SITE	COD980716955	FF Removal	001	8/21/85	9/27/85
08	CO	DENVER RADIUM SITE	COD980716955	Fund Removal	002	8/22/89	8/30/89
08	CO	DENVER RADIUM SITE	COD980716955	Fund Removal	001	12/14/88	
08	CO	DENVER TOLUENE	COD981550684	FF Removal	001	12/14/88	
08	CO	DENVER TOLUENE	COD981550684	Fund Removal	001	6/15/84	6/15/84
08	CO	EAGLE MINE	COD081961518	Fund Removal	001	6/1/90	11/25/91
08	CO	EAGLE MINE	COD081961518	Fund Removal	002	7/9/90	9/10/90
08	CO	ELIZABETH HORSE FARM	COD983767401	Fund Removal	001	5/1/87	10/21/87
08	CO	ENGLEWOOD DDT	COD981550676	Fund Removal	001	4/30/87	1/28/88
08	CO	FARMERS RESERVOIR AND IRRIGATION	COD981550692	Fund Removal	001	5/24/91	8/19/91
08	CO	FORAKER	COD983776089	Fund Removal	001	5/9/91	5/2/92
08	CO	FORGE ROAD INDUSTRIAL PARK	COD983776089	Fund Removal	001	10/27/98	
08	CO	FORT LUPTON DRUMS	CO0002379899	FF Removal	001	11/25/91	4/30/92
08	CO	FRANCISCO LANE PESTICIDE	COD983784315	Fund Removal	001	6/2/98	11/25/98
08	CO	FREDERICK CHEMICALS	CO0001412451	FF Removal	001	9/30/85	
08	CO	FREJONILEY MINE	COD981550718	FF Removal	001	9/30/85	

08	CO	FRENCH GULCH	CO0001053392	FF Removal	001	10/298	7/1/87
08	CO	GALLEY ROAD DUMP SITE	COD983785464	FF Removal	001	4/13/95	2/2/85
08	CO	GILPIN MERCURY SPILL SITE	COD0000851103	Fund Removal	001	10/14/84	1/20/88
08	CO	GRAFF DRUMS	COD981550763	FF Removal	001	6/30/87	12/12/81
08	CO	HANSEN CONTAINERS	COD081468801	FF Removal	001	9/16/91	5/21/86
08	CO	HANSEN CONTAINERS	COD081468801	Fund Removal	002	9/8/82	11/2/88
08	CO	HERGOLD BLACKHAWK	COD981550688	Fund Removal	003	6/3/98	10/11/86
08	CO	HI-TECH METAL REFINERS INC	COD983785619	Fund Removal	001	9/11/86	3/11/88
08	CO	HIGH QUALITY CIRCUITS	COD981550775	Fund Removal	001	3/2/86	3/28/88
08	CO	IDAHO SPRINGS MERCURY	COD983778010	Fund Removal	001	9/21/87	8/1/91
08	CO	IGNACIO GAS PLANT, NWP	COD000176526	FF Removal	001	8/1/91	12/3/88
08	CO	INDUSTRIAL HARD CHROME PLATING CO.	COD001055235	FF Removal	001	11/2/88	6/30/85
08	CO	INDUSTRIAL HARD CHROME PLATING CO.	COD001055235	Fund Removal	002	3/2/85	10/15/87
08	CO	INDUSTRIAL MINERALS	COD001407543	Fund Removal	001	7/25/87	10/2/87
08	CO	INTERSTATE-270 DRUM	COD983770611	Fund Removal	001	3/20/86	3/20/86
08	CO	LAKEWOOD CYANIDE	COD000183384	Fund Removal	001	9/29/80	1/8/91
08	CO	LEADVILLE DRUMS	COD000183384	Fund Removal	001	3/17/84	4/11/84
08	CO	LIMON ELEVATOR	COD983788064	Fund Removal	001	6/13/89	12/18/89
08	CO	LOVELAND FIREWORKS	COD983787383	Fund Removal	001	6/9/90	9/14/90
08	CO	LOVELAND FIREWORKS	COD983787383	Fund Removal	001	6/28/89	8/5/89
08	CO	LOWLAND PASS MTBE	COD983564534	Fund Removal	001	1/22/16/1	1/9/88
08	CO	LOWRY LANDFILL	COD980499248	FF Removal	001	8/3/92	2/4/93
08	CO	MILE CREEK DRUMS	COD980499248	Fund Removal	001	2/10/89	10/2/80
08	CO	MURREN FENCE & GUTTER	COD981550700	Fund Removal	001	6/30/87	11/13/87
08	CO	NEW CASTLE H2S	COD0075759738	Fund Removal	001	2/16/84	3/30/84
08	CO	NL IND. MINE MILL	COD000259416	FF Removal	001	7/11/84	11/17/84
08	CO	ORDWAY DRUM	COD989834604	Fund Removal	001	9/30/88	11/30/86
08	CO	PARKER DRUM	COD983786700	Fund Removal	001	5/16/89	5/16/89
08	CO	PDC SPAS	COD983770587	Fund Removal	001	9/25/90	3/29/81
08	CO	POLK DRUMS	COD980952873	Fund Removal	001	10/26/84	5/20/85
08	CO	PUERLO MERCURY SITE	COD001097617	Fund Removal	001	5/16/95	10/5/95
08	CO	QUITMAN STREET PAINT SITE	COD983777822	Fund Removal	001	7/16/91	8/4/91
08	CO	RAMP INDUST INC	CODSFN801687	Fund Removal	001	10/20/98	10/20/98
08	CO	RAMP INDUST INC	COD980718895	Fund Removal	001	8/31/84	9/16/86
08	CO	RANGLY, NWP	COD980718895	Fund Removal	002	6/30/95	
08	CO	RED MOUNTAIN PASS ZINC	COD0000776559	FF Removal	001	10/19/88	1/13/89
08	CO	RIVERSIDE CEMETERY DRUMS	COD000075259	Fund Removal	001	11/23/83	12/2/83
08	CO	ROCK WOOL INDUSTRIES	COD982583775	Fund Removal	001	5/31/89	7/13/88
08	CO	ROCKWOOL BUTTONS	COD013405981	Fund Removal	001	12/6/96	7/16/87
08	CO	ROCKWOOL BUTTONS	COD001589463	Fund Removal	001	4/9/87	12/3/86
08	CO	ROCKY FLATS INDUSTRIAL PARK (THORO - AERCO - GWI)	COD980807374	Fund Removal	001	8/26/88	9/24/93
08	CO	ROCKY FLATS PLANT (USDOE)	COT7890010529	PRP Removal	001	5/26/93	5/26/93
08	CO	ROCKY FLATS PLANT (USDOE)	COT7890010526	PRP Removal	002	2/6/96	9/27/96

08	CO	ROCKY FLATS PLANT (USDOE)	08	CO	ROCKY FLATS PLANT (USDOE)	003	6/3/96	9/20/96
08	CO	ROCKY FLATS PLANT (USDOE)	08	CO	ROCKY FLATS PLANT (USDOE)	004	6/3/96	9/20/96
08	CO	ROCKY FLATS PLANT (USDOE)	08	CO	ROCKY FLATS PLANT (USDOE)	005	11/1/96	4/15/96
08	CO	ROCKY FLATS PLANT (USDOE)	08	CO	ROCKY FLATS PLANT (USDOE)	006	10/20/95	8/16/96
08	CO	ROCKY FLATS PLANT (USDOE)	08	CO	ROCKY FLATS PLANT (USDOE)	007	3/21/97	9/30/97
08	CO	ROCKY FLATS PLANT (USDOE)	08	CO	ROCKY FLATS PLANT (USDOE)	008	11/1/96	9/30/97
08	CO	ROCKY FLATS PLANT (USDOE)	08	CO	ROCKY FLATS PLANT (USDOE)	009	8/7/97	6/4/98
08	CO	ROCKY FLATS PLANT (USDOE)	08	CO	ROCKY FLATS PLANT (USDOE)	010	2/18/98	3/31/99
08	CO	ROCKY FLATS PLANT (USDOE)	08	CO	ROCKY FLATS PLANT (USDOE)	011	1/1/98	
08	CO	ROCKY FLATS PLANT (USDOE)	08	CO	ROCKY FLATS PLANT (USDOE)	013	2/1/99	
08	CO	ROCKY FLATS PLANT (USDOE)	08	CO	ROCKY FLATS PLANT (USDOE)	014	10/30/98	
08	CO	ROXBOROUGH MERCURY SITE	08	CO	ROXBOROUGH MERCURY SITE	001	7/1/98	9/30/98
08	CO	SAND CREEK INDUSTRIAL	08	CO	SAND CREEK INDUSTRIAL	001	4/18/86	9/30/88
08	CO	SAND CREEK INDUSTRIAL	08	CO	SAND CREEK INDUSTRIAL	001	8/27/87	3/8/88
08	CO	SAND CREEK INDUSTRIAL	08	CO	SAND CREEK INDUSTRIAL	001	4/1/97	6/4/87
08	CO	SAND CREEK INDUSTRIAL	08	CO	SAND CREEK INDUSTRIAL	001	5/4/84	9/15/84
08	CO	SAND CREEK INDUSTRIAL	08	CO	SAND CREEK INDUSTRIAL	002	3/23/89	12/28/89
08	CO	SAND CREEK INDUSTRIAL	08	CO	SAND CREEK INDUSTRIAL	003	8/25/90	10/31/91
08	CO	SAND CREEK INDUSTRIAL	08	CO	SAND CREEK INDUSTRIAL	001	3/19/88	7/20/89
08	CO	SHERIDAN PCB DRUM SITE	08	CO	SHERIDAN PCB DRUM SITE	002	10/3/94	9/22/95
08	CO	SMELTERTOWN SITE	08	CO	SMELTERTOWN SITE	003	10/3/94	9/22/95
08	CO	SMELTERTOWN SITE	08	CO	SMELTERTOWN SITE	001	5/22/88	11/13/88
08	CO	SMELTERTOWN SITE	08	CO	SMELTERTOWN SITE	003	5/25/93	5/23/94
08	CO	SMELTERTOWN SITE	08	CO	SMELTERTOWN SITE	004	9/27/93	11/1/95
08	CO	SMUGGLER MOUNTAIN	08	CO	SMUGGLER MOUNTAIN	005	2/27/95	6/8/95
08	CO	SMUGGLER MOUNTAIN	08	CO	SMUGGLER MOUNTAIN	006	11/1/95	2/6/96
08	CO	SMUGGLER MOUNTAIN	08	CO	SMUGGLER MOUNTAIN	001	6/25/85	9/17/85
08	CO	SOUTH PLATTE AND 56TH ST DRUMS SITE	08	CO	SOUTH PLATTE AND 56TH ST DRUMS SITE	001	8/30/90	8/22/91
08	CO	STOUT STREET DRUMS	08	CO	STOUT STREET DRUMS	002	1/12/85	9/25/86
08	CO	SUMMITVILLE MINE	08	CO	SUMMITVILLE MINE	001	7/16/98	9/11/98
08	CO	SUMMITVILLE MINE	08	CO	SUMMITVILLE MINE	001	7/27/90	3/1/91
08	CO	SUMMITVILLE MINE	08	CO	SUMMITVILLE MINE	001	12/16/92	
08	CO	SUMMITVILLE MINE	08	CO	SUMMITVILLE MINE	002	9/28/93	7/21/95
08	CO	SUMMITVILLE MINE	08	CO	SUMMITVILLE MINE	003	9/29/93	6/3/96
08	CO	SWINK MERCURY SITE	08	CO	SWINK MERCURY SITE	004	8/13/96	8/13/96
08	CO	SYNTEX LANDFILL	08	CO	SYNTEX LANDFILL	005	8/4/98	10/30/98
08	CO	TELLER COUNTY CHEMICAL	08	CO	TELLER COUNTY CHEMICAL	001	7/15/91	9/14/91
08	CO	THOMAS PLATING	08	CO	THOMAS PLATING	001	8/25/88	10/30/88
08	CO	THORNTON MERCURY	08	CO	THORNTON MERCURY	001	8/12/93	12/14/93
08	CO	TOWAOC DAYCARE SITE	08	CO	TOWAOC DAYCARE SITE	001	2/23/95	7/17/95
08	CO	TRIANGLE PETROLEUM	08	CO	TRIANGLE PETROLEUM	001	1/28/99	8/6/97
08	CO	TRIANGLE PETROLEUM	08	CO	TRIANGLE PETROLEUM	001	9/21/92	2/11/93

08	CO	TWINS INN	CO0001101476	FF Removal	002	11/18/98
08	CO	TWINS INN	CO0001101476	Fund Removal	001	5/18/95
08	CO	UTE DRUM	CO0001220045	Fund Removal	001	11/20/95
08	CO	UTE MOUNTAIN-UTE MAINTENANCE DRUM	CO000758214	Fund Removal	001	3/19/99
08	CO	VASQUEZ BLVD. & I-70 (NORTH DENVER RESIDENTIAL SOILS)	CO0002259588	Fund Removal	001	10/13/98
08	CO	WELD COUNTY DSPL	CO0806489479	Fund Removal	001	10/20/98
08	CO	WOLFF STREET SITE	CO0000023036	Fund Removal	001	9/23/93
08	CO	WOODBURY CHEMICAL COMPANY SITE	CO080667075	Fund Removal	001	9/19/93
08	CO	YORK STREET DRUMS	CO0801898378	Fund Removal	001	3/12/97
08	MT	ALBERTON DERAILMENT SITE	MT0007651016	Fund Removal	001	4/11/96
08	MT	ANACONDA CO. SMELTER	MTD095291656	FF Removal	001	9/23/91
08	MT	ANACONDA CO. SMELTER	MTD095291656	FF Removal	002	6/3/94
08	MT	ANACONDA CO. SMELTER	MTD095291656	FF Removal	002	4/2/92
08	MT	ANACONDA CO. SMELTER	MTD095291656	FF Removal	003	7/8/92
08	MT	ANACONDA CO. SMELTER	MTD095291656	FF Removal	004	7/8/92
08	MT	ANACONDA CO. SMELTER	MTD095291656	Fund Removal	001	7/15/96
08	MT	ANACONDA CO. SMELTER	MTD095291656	Fund Removal	002	3/29/99
08	MT	BASIN TAILINGS	MT0002056946	Fund Removal	001	10/26/98
08	MT	BEAVER WOOD PRODUCTS	MTD021998977	FF Removal	001	10/22/91
08	MT	BLACKFEET PENCIL FACTORY	MTD982572430	Fund Removal	001	9/17/90
08	MT	BLACKFEET POST & POLE	MTD982572331	Fund Removal	001	1/26/90
08	MT	BURLINGTON NORTHERN(SMOTHERS PLANT)	MTD953038386	FF Removal	001	5/16/91
08	MT	CRESTON POST AND POLE YARD	MTD983705111	FF Removal	001	5/15/95
08	MT	DAVIS POST AND POLE	MTSRN0801683	FF Removal	001	4/15/92
08	MT	EAST HELENA SITE	MTD06230346	FF Removal	001	11/2/98
08	MT	EAST HELENA SITE	MTD06230346	FF Removal	001	7/19/91
08	MT	EVANS POST AND POLE	MTD986066413	Fund Removal	002	7/22/91
08	MT	EVANS POST AND POLE	MTD986066413	Fund Removal	001	8/4/90
08	MT	FLATHEAD POST AND POLE	MTD986069177	Fund Removal	001	10/25/93
08	MT	FLATHEAD WELL	MT0002186908	Fund Removal	001	12/20/95
08	MT	LAME DEER DRUMS	MTD982596397	Fund Removal	001	11/1/89
08	MT	LARRY'S POST AND TREATING CO.	MTD980969539	FF Removal	001	10/15/91
08	MT	LODGEGRASS DRUMS	MTD986067338	Fund Removal	001	7/20/90
08	MT	MCLAREN MILL TAILINGS	MTD981550841	FF Removal	001	9/28/90
08	MT	MCLAREN MILL TAILINGS	MTD981550841	FF Removal	001	6/13/97
08	MT	MILL TOWN RESERVOIR SEDIMENTS	MTD980717565	FF Removal	001	5/22/89
08	MT	MONTANA POLE AND TREATING	MTD06230635	FF Removal	001	10/26/98
08	MT	MONTANA POLE AND TREATING	MTD06230635	Fund Removal	001	7/24/85
08	MT	MONTANA POLE AND TREATING	MTD06230635	Fund Removal	002	3/19/91
08	MT	MONTANA POLE AND TREATING	MTD06230635	Fund Removal	003	5/18/92
08	MT	MONTANA POLE AND TREATING	MTD06230635	Fund Removal	004	8/17/92
08	MT	MOTHER LOBE GOLD & SILVER LTD.	MTD980952469	Fund Removal	001	10/11/84
08	MT	MOUAT INDUSTRIES	MTD021997689	FF Removal	001	1/14/92
08	MT	MOUAT INDUSTRIES	MTD021997689	FF Removal	002	8/20/86
08	MT	MOUAT INDUSTRIES	MTD021997689	Fund Removal	001	3/30/90
08	MT	OPHEIM RADAR STATION	MT0000023002	Fund Removal	001	10/19/98

08	MT	RAILROAD TIE & TREATING YARD	MTD986069540	001	44/89	4/10/94
08	MT	RED WATER MINE	MT0000120534	001	8/6/96	8/11/98
08	MT	RELANCE REFINING CO.	MTD980953657	001	5/19/88	5/27/88
08	MT	ROCKY BOY POST AND POLE	MTD981551518	001	9/12/88	8/31/90
08	MT	SILVER BOW CREEK/BUTTE AREA	MTD980502777	001	4/14/88	10/15/88
08	MT	SILVER BOW CREEK/BUTTE AREA	MTD980502777	002	3/31/89	7/15/96
08	MT	SILVER BOW CREEK/BUTTE AREA	MTD980502777	003	6/5/89	12/11/89
08	MT	SILVER BOW CREEK/BUTTE AREA	MTD980502777	004	6/19/90	4/15/94
08	MT	SILVER BOW CREEK/BUTTE AREA	MTD980502777	005	7/3/90	1/11/95
08	MT	SILVER BOW CREEK/BUTTE AREA	MTD980502777	006	12/10/91	1/17/92
08	MT	SILVER BOW CREEK/BUTTE AREA	MTD980502777	007	5/13/92	
08	MT	SILVER BOW CREEK/BUTTE AREA	MTD980502777	008	10/6/92	12/2/92
08	MT	SILVER BOW CREEK/BUTTE AREA	MTD980502777	009	8/11/94	
08	MT	SILVER BOW CREEK/BUTTE AREA	MTD980502777	010	10/23/95	
08	MT	SILVER BOW CREEK/BUTTE AREA	MTD980502777	001	2/22/88	9/30/88
08	MT	SILVER BOW CREEK/BUTTE AREA	MTD980502777	002	9/30/89	11/21/89
08	MT	TENMILE CREEK	MTD980502777	003	4/28/92	10/30/92
08	ND	ARSENIC TRIOXIDE SITE	MT0000105510	001	10/3/95	10/9/95
08	ND	ARSENIC TRIOXIDE SITE	ND0980716963	001	9/15/86	12/10/86
08	ND	GRAND FORKS AIR FORCE BASE	ND0371624759	002	10/24/88	6/9/89
08	ND	HAYNES WAREHOUSE	ND0982572273	001	4/14/86	5/19/86
08	ND	MANVEL PESTICIDES	ND00001895554	001	4/20/89	4/27/89
08	ND	MILNOR WATER SUPPLY	ND00001895554	001	10/20/97	
08	ND	MINOT LANDFILL	ND0882572471	001	3/13/90	8/1/91
08	ND	SAINT MICHAEL'S LAGOON	ND0980959548	001	12/4/89	7/18/90
08	ND	VAGAN DAHL FARM	ND0001411081	001	6/23/87	1/5/98
08	ND	WESTCHEM WAREHOUSE	ND0980959524	001	7/16/84	7/16/84
08	SD	ANNIE CREEK MINE TALINGS	ND081550726	001	4/5/87	3/10/89
08	SD	ANTELOPE MERCURY	SD0887668013	001	7/20/94	11/9/95
08	SD	CHEYENNE RIVER SIOUX RESERVATION DRUMS	SD0007594312	001	12/30/98	3/24/99
08	SD	CUNY TABLE BAIT	SD0881551484	001	8/31/87	3/11/91
08	SD	DAKOTA MINNESOTA & EASTERN ROUNDHOUSE	SD0987668104	001	4/6/89	4/4/90
08	SD	GARY HELDT CHEMICALS	SD0981553837	002	9/6/96	12/9/98
08	SD	LONE MAN PESTICIDES	SD0980806137	001	4/10/84	9/30/84
08	SD	PINE RIDGE LANDFILL SITE	SD081553986	001	2/23/88	4/4/89
08	SD	PINE RIDGE PESTICIDE	SD0001515683	001	6/19/96	10/23/96
08	SD	PORCUPINE BAIT	SD0002331080	001	7/13/98	7/14/98
08	SD	PORCUPINE CREEK DRUM	SD0982594542	001	10/11/88	10/13/88
08	SD	RED SHIRT TABLE ELEMENTARY SCHOOL	SD0987670114	001	6/17/82	10/13/82
08	SD	TRAUB BATTERY AND BODY SHOP	SD0987668021	001	10/23/88	10/28/88
08	SD	TRI-STATE FIRE	SD0987668530	001	4/13/92	9/30/92
08	SD	TRI-STATE REF. 'C' MINT	SD0982572380	001	9/10/89	7/25/90
08	SD	TRI-STATE REF. 'C' MINT	SD0987668062	001	4/7/89	7/28/89

08	SD	TRI-STATE REFINING MINT AVE 'A'	SD0982572192	FF Removal	001	4/26/90	5/31/90
08	SD	TWISS BUS BAIT	SD0982572554	Fund Removal	001	4/4/90	4/4/90
08	SD	WHITEWOOD CUSTOM TREATERS INC	SD1470010133	FF Removal	001	5/27/86	2/22/89
08	SD	WOUNDED KNEE SEWAGE LAGOONS	SD0002168779	Fund Removal	001	1/17/97	12/24/97
08	SD	ZABEL BATTERY	SD0987670346	Fund Removal	001	9/7/93	12/6/94
08	UT	90TH SOUTH BATTERY DUMP	UT0000384198	Fund Removal	001	7/6/94	10/15/94
08	UT	BECK STREET SALVAGE	UT098007960	FF Removal	001	5/22/84	5/22/84
08	UT	BENNETT PAINT/KARPOWITZ COAL	UT0980665049	Fund Removal	001	1/30/89	10/31/89
08	UT	BERYL JUNCTION PESTICIDE PRT	UT0009075334	Fund Removal	001	5/6/91	12/4/91
08	UT	BINGHAM CREEK CHANNEL	UT0001277912	Fund Removal	001	9/29/95	12/7/95
08	UT	BINGHAM CREEK CHANNEL	UT0980959324	FF Removal	001	5/15/91	5/25/93
08	UT	BINGHAM CREEK CHANNEL	UT0980959324	FF Removal	002	7/17/95	
08	UT	BINGHAM CREEK CHANNEL	UT0980959324	Fund Removal	001	5/15/91	12/15/91
08	UT	BINGHAM CREEK CHANNEL-PHASE II	UT0980075009	FF Removal	001	6/21/93	8/18/95
08	UT	BINGHAM CREEK CHANNEL-PHASE II	UT0980075008	Fund Removal	001	8/11/82	
08	UT	BINGHAM CREEK-3-RESIDENTIAL SOILS	UT000118678	FF Removal	001	9/15/95	1/27/99
08	UT	BINGHAM CREEK/MACOMBA/ARCO TAILINGS	UT0980959316	FF Removal	001	9/7/93	1/27/99
08	UT	BOUNTIFULWOODS CROSS 5TH SOUTH PCE PLUM	UT000119296	Fund Removal	001	2/26/96	5/24/96
08	UT	BOUNTIFULWOODS CROSS 5TH SOUTH PCE PLUM	UT000119296	Fund Removal	002	1/18/96	
08	UT	BUTTERFIELD CREEK-HERRIMAN RESIDENTIAL	UT0002055176	Fund Removal	001	6/25/96	5/31/97
08	UT	BUTTERFIELD CREEK-HERRIMAN RESIDENTIAL	UT0002055176	Fund Removal	002	7/21/97	
08	UT	BUTTERFIELD MINE (ST. JOE'S TUNNEL)	UT0981548993	FF Removal	001	9/26/91	7/21/93
08	UT	BUTTERFIELD MINE (ST. JOE'S TUNNEL)	UT0981548993	FF Removal	002	7/23/97	
08	UT	ESSEX COPPER PROCESSING PLANT	UT0980606064	Fund Removal	001	3/3/95	6/16/95
08	UT	FIRECLAY BATTERY	UT0988074969	FF Removal	001	4/19/94	10/19/94
08	UT	FORT DUCHESNE DRUMS	UT0982596157	Fund Removal	001	6/29/90	12/18/90
08	UT	GREEN RIVER CYANIDE DRUMS	UT0980717995	Fund Removal	001	1/23/85	1/23/85
08	UT	JACOBS SMELTER SITE	UT0002391472	Fund Removal	001	3/3/99	
08	UT	KENNECOTT (NORTH ZONE)	UT0070928911	FF Removal	001	10/2/96	
08	UT	KENNECOTT (NORTH ZONE)	UT0070928911	FF Removal	002	10/2/96	
08	UT	KENNECOTT (NORTH ZONE)	UT0070928911	Fund Removal	001	9/13/93	1/24/95
08	UT	KENNECOTT (NORTH ZONE)	UT0070928911	Fund Removal	002	9/30/93	1/24/95
08	UT	KENNECOTT (NORTH ZONE)	UT0000826404	FF Removal	001	3/30/93	5/6/93
08	UT	KENNECOTT (SOUTH ZONE)	UT0000826404	FF Removal	002	9/30/93	5/11/95
08	UT	KENNECOTT (SOUTH ZONE)	UT0000826404	FF Removal	003	3/8/92	6/6/94
08	UT	KENNECOTT (SOUTH ZONE)	UT0000826404	Fund Removal	001	9/22/93	5/25/95
08	UT	KENNECOTT (SOUTH ZONE)	UT0000826404	Fund Removal	002	9/30/93	10/9/96
08	UT	KERN RIVER/BINGHAM CREEK PIPELINE	UT0988073458	FF Removal	001	11/1/91	11/22/91
08	UT	LARK WASTE ROCK AND TAILINGS (KENNECOTT)	UT0980095258	FF Removal	001	5/26/93	8/31/98
08	UT	LAYTON SALVAGE YARD	UT0988071577	Fund Removal	001	5/23/91	3/6/92
08	UT	LEEDS SILVER RECLAMATION SITE	UT0981558619	Fund Removal	002	2/20/95	4/20/96
08	UT	LIVINGSTON PROPERTY	UT0982394120	Fund Removal	001	4/20/88	3/13/89
08	UT	MICRONUTRIENT INTL INC	UT0000710772	FF Removal	001	1/3/86	3/3/86

08	UT	MICRONUTRIENT INTL INC	UTD000710772	FF Removal	002	5/20/91	4/15/92
08	UT	MIDVALE SLAG	UTD081834277	Fund Removal	001	3/30/90	12/14/90
08	UT	MIDVALE SLAG	UTD081834277	Fund Removal	001	11/2/90	6/20/91
08	UT	MIDVALE SLAG	UTD081834277	Fund Removal	003	5/16/95	5/24/95
08	UT	MIDVALE SLAG	UTD081834277	Fund Removal	004	3/1/98	
08	UT	MIDVALE SLAG	UTD081834277	Fund Removal	005	10/3/96	11/8/96
08	UT	MIDVALE SLAG	UTD081834277	Fund Removal	006	10/9/96	6/30/97
08	UT	MIDVALE SLAG	UTD081834277	Fund Removal	007	10/31/96	4/17/97
08	UT	MOAB, INWP	UTD000776633	FF Removal	001	11/17/88	1/18/89
08	UT	MURRAY SMELTER	UTD980951420	FF Removal	001	10/1/95	
08	UT	NORTH AMERICAN ENVIRONMENTAL	UTD980962591	FF Removal	001	8/1/94	2/6/96
08	UT	OGDEN UNION RAILWAY & DEPOT	UTD98075271	FF Removal	001	11/27/95	4/22/96
08	UT	OLD COBALT TAILINGS POND	UTD98071987	FF Removal	001	4/29/97	10/6/98
08	UT	PALLAS YARD	UTD001897693	FF Removal	001	3/31/98	
08	UT	PARISH CHEMICAL COMPANY	UTD007988173	Fund Removal	001	7/26/92	6/1/94
08	UT	PETROCHEM RECYCLING CORP./EKOTEK PLANT	UTD093119198	Fund Removal	001	11/25/88	8/2/89
08	UT	PORTLAND CEMENT (KILN DUST 2 & 3)	UTD980718670	Fund Removal	001	8/9/95	9/11/95
08	UT	PORTLAND CEMENT KILN DUST #1,4,5	UTD980952832	Fund Removal	001	10/19/94	11/12/94
08	UT	RANDALL RESIDENCE	UTD981650742	Fund Removal	001	6/6/84	11/7/84
08	UT	RECLAIM BARRELS	UTD988079240	Fund Removal	001	2/14/94	7/27/94
08	UT	RECLAIM BARRELS	UTD988079240	Fund Removal	002	9/2/97	3/19/98
08	UT	SANDY SMELTER SITE	UTD988078044	FF Removal	001	7/1/92	7/15/97
08	UT	SANDY SMELTER SITE	UTD988078044	FF Removal	002	7/25/98	10/2/99
08	UT	SANDY SMELTER SITE	UTD988078044	Fund Removal	001	6/21/94	6/21/94
08	UT	SANDY SMELTER SITE	UTD988078044	Fund Removal	002	6/22/94	9/15/96
08	UT	SANDY SMELTER SITE	UTD988078044	Fund Removal	003	4/1/95	7/15/97
08	UT	SANDY SMELTER SITE	UTD988078044	Fund Removal	004	7/10/96	9/15/96
08	UT	SANDY SMELTER SITE	UTD988078044	Fund Removal	005	6/3/98	10/2/98
08	UT	SANTAGUIN DRUM SITE	UTD988074175	Fund Removal	001	3/23/92	8/15/92
08	UT	SAVE MOST SELF STORAGE	UTD982597726	Fund Removal	001	2/14/94	4/28/94
08	UT	SHARON STEEL CORP	UTD980951388	FF Removal	001	1/9/89	9/25/89
08	UT	SHARON STEEL CORP	UTD980951388	Fund Removal	001	3/29/91	4/10/92
08	UT	SHARON STEEL CORP	UTD980951388	Fund Removal	002	9/28/92	12/15/93
08	UT	SINGLEY DRUMS	UTD988066072	Fund Removal	001	3/29/89	4/27/89
08	UT	STORE IN MONTICELLO (MONTGOMERY WARD)	UTD980717979	Fund Removal	001	11/30/83	5/15/84
08	UT	TOOELE ARMY DEPOT (NORTH AREA)	UT3213820894	PRP Removal	001	11/19/97	8/10/98
08	UT	TOOELE ARMY DEPOT (NORTH AREA)	UT3213820894	PRP Removal	002	11/19/97	8/10/98
08	UT	U & I SUGAR PLANT	UTD982594104	FF Removal	001	12/14/88	10/13/89
08	UT	UTAH METAL WORKS (SALVAGE YARD)	UTD051299166	Fund Removal	001	8/14/95	8/10/88
08	UT	UTAH POWER & LIGHT/AMERICAN BARREL CO	UTD980667240	FF Removal	001	4/14/88	8/10/88
08	UT	UTE TRIBE CHEMICALS	UT08002023844	Fund Removal	001	10/21/97	3/10/98
08	UT	UTE TRIBE TANNERY	UTD981547011	Fund Removal	001	6/24/96	6/30/96
08	UT	WASATCH CHEMICAL CO. (LOT 6)	UTD000716399	FF Removal	001	6/12/91	7/3/91

08	UT	WASATCH CHEMICAL CO. (LOT 6)	UTD000716399	Fund Removal	001	3/19/86	6/30/88
08	UT	WASATCH PLAZA - 5TH WEST	UTD980959225	FF Removal	001	9/5/89	1/4/90
08	UT	XTRON CORPORATION	UTD982584153	FF Removal	001	8/15/88	9/29/89
08	WY	ARLINGTON WY SPILL SITE	WYD980718019	Fund Removal	001	7/14/81	7/16/81
08	WY	BIG PINEY, NWP	WYD000776567	FF Removal	001	8/12/88	8/17/89
08	WY	BUFFALO FIRE	WYD982583959	Fund Removal	001	1/27/88	1/28/88
08	WY	CASPER CREEK TRAIN WRECK	WYD0009694020	FF Removal	001	10/13/94	10/29/96
08	WY	CHEMICAL MARKETING SERVICES	WYD982572307	FF Removal	001	1/20/88	1/25/88
08	WY	DESERT VILLAGE MERCURY	WY0000183251	Fund Removal	001	3/6/94	7/16/94
08	WY	ELLERBY'S REFINERY	WYD980952931	Fund Removal	001	9/29/86	9/30/86
08	WY	EXIT 47 DRUMS	WYD986873022	Fund Removal	001	6/7/92	10/15/92
08	WY	F. E. WARREN AIR FORCE BASE	WY5571924179	PRP Removal	001	9/17/99	
08	WY	FRANCO REFINERY	WYD980965348	FF Removal	001	4/9/88	4/11/88
08	WY	GILLETTE DRUMS	WYD988873840	Fund Removal	001	1/19/93	12/10/93
08	WY	GREEN RIVER, NWP	WYD000776583	FF Removal	001	10/17/89	8/17/89
08	WY	INDIAN CREEK DRUMS	WY3141190055	Fund Removal	001	5/13/92	10/15/92
08	WY	K&N ENERGY - COOPER STATION	WYD988686547	FF Removal	001	6/29/87	9/18/87
08	WY	KEMMERER, NWP	WYD000776551	FF Removal	001	7/25/86	2/17/89
08	WY	LITTLE GOOSE CREEK	WY0007594774	Fund Removal	001	11/20/87	6/8/93
08	WY	LOVELL LAGOONS	WY000413509	Fund Removal	001	7/1/96	12/10/96
08	WY	LOVELL REFINERY	WYD986869016	Fund Removal	001	9/6/95	11/7/95
08	WY	MICKELSON RANCH	WYD981551435	Fund Removal	001	8/16/88	11/21/88
08	WY	MOUNTAIN VIEW RECYCLERWASTES	WYD989896869	Fund Removal	001	7/27/90	8/31/91
08	WY	MOUNTAINEER REFINING COMPANY	WYD057192781	FF Removal	001	11/3/92	10/15/93
08	WY	MOUNTAINEER REFINING COMPANY	WYD057192781	FF Removal	002	10/15/93	5/12/98
08	WY	MOUNTAINEER REFINING COMPANY	WYD057192781	FF Removal	003	2/6/91	10/29/91
08	WY	MYSTERY BRIDGE RD/J. S. HIGHWAY 20	WYD981546005	FF Removal	001	12/15/87	7/7/84
08	WY	MYSTERY BRIDGE RD/J. S. HIGHWAY 20	WYD981546005	FF Removal	002	12/15/87	4/24/89
08	WY	MYSTERY BRIDGE RD/J. S. HIGHWAY 20	WYD981546005	FF Removal	003	1/4/89	2/22/88
08	WY	MYSTERY BRIDGE RD/J. S. HIGHWAY 20	WYD981546005	FF Removal	004	1/11/88	8/31/88
08	WY	MYSTERY BRIDGE RD/J. S. HIGHWAY 20	WYD981546005	Fund Removal	001	12/15/86	12/15/88
08	WY	MYSTERY BRIDGE RD/J. S. HIGHWAY 20	WYD981546005	Fund Removal	002	10/1/90	4/25/91
08	WY	OPAL PLANT, NWP	WYD000776517	FF Removal	001	8/28/88	8/17/89
08	WY	R. J. REFINERY	WYD002348571	Fund Removal	001	10/26/98	
08	WY	SKYLINE DRIVE MERCURY	WY000120907	Fund Removal	001	7/10/95	10/26/95
08	WY	SMITH RESIDENCE	WYD988689459	FF Removal	001	4/12/84	10/31/94
08	WY	SMITH RESIDENCE	WYD988689459	Fund Removal	001	7/2/91	4/12/94
08	WY	TORRINGTON HIDE & METAL	WYD982597084	FF Removal	001	4/12/94	10/31/94
08	WY	TORRINGTON HIDE & METAL	WYD982597084	Fund Removal	001	7/2/91	4/12/94
08	WY	WIENGER DRUM SITE	WYD988872463	Fund Removal	001	2/28/92	5/6/93
08	WY	YTTRIUM PROCESSING PLANT	WYD980952030	Fund Removal	001	5/26/89	6/4/89
09	AS	AMERICAN SAMOA CYLINDERS	ASD983398014	Fund Removal	001	1/21/91	1/24/91
09	AS	AMERICAN SAMOA PESTICIDES	AS3120090003	Fund Removal	001	4/2/90	7/27/90

09	AS	AMERICAN SAMOA POWER	ASD981621709	Fund Removal	001	7/17/84	7/24/84
09	AS	CHLORINE CYLINDER SITE	AS0001506787	Fund Removal	001	1/10/87	
09	AS	SATALA POWER PLANT	ASD981621766	Fund Removal	001	7/17/84	7/18/84
09	AS	TAFUNA POWER PLANT	ASD981621824	Fund Removal	001	7/17/84	7/19/84
09	AS	TAFUNA POWER PLANT	ASD981621824	Fund Removal	002	7/17/84	7/19/84
09	AS	TAFUNA POWER PLANT	ASD981621824	Fund Removal	003	7/26/84	8/1/84
09	AS	TAPUTIMU FARM	ASD980637656	Fund Removal	001	5/22/84	7/23/84
09	AS	TAPUTIMU FARM	ASD980637656	Fund Removal	002	1/28/84	3/18/84
09	AZ	BENSON	AZD982028763	FF Removal	001	5/1/84	5/1/85
09	AZ	BISBEE-DOUGLAS INTL AIRPT	AZD980388938	Fund Removal	001	4/22/91	4/29/91
09	AZ	BISHOP CREEK BLM	AZ2141190072	Fund Removal	001	7/6/91	7/12/91
09	AZ	BYERS BOMB SITE	AZ0002014306	Fund Removal	001	9/22/97	
09	AZ	CHROME CUSTOM PLATING	AZD050534593	Fund Removal	001	1/13/86	2/20/86
09	AZ	DCE CIRCUITS	AZD038444154	Fund Removal	001	4/26/94	6/15/94
09	AZ	DELA-TEK INC.	AZD048315765	Fund Removal	001	1/17/86	11/23/86
09	AZ	GILA RIVER INDIAN RESERVATION	AZD981621881	Fund Removal	001	7/13/84	10/22/85
09	AZ	GILA RIVER SITE #2	AZ8140990047	Fund Removal	001	1/17/88	5/9/88
09	AZ	LITCHFIELD AIRPORT AREA	AZD980695002	FF Removal	001	12/20/91	9/28/93
09	AZ	LUKE AIR FORCE BASE	AZ0570024133	PRP Removal	001	9/27/90	12/8/92
09	AZ	LUKE AIR FORCE BASE	AZ0570024133	PRP Removal	002	9/27/90	2/15/91
09	AZ	MIDDLE MTN SILVEX	AZ8122398075	Fund Removal	001	9/30/91	10/4/91
09	AZ	NAVAJO PESTICIDES	AZD982405045	Fund Removal	001	10/25/88	1/12/88
09	AZ	OMNI APPLICATORS	AZD983481821	Fund Removal	001	1/3/94	2/6/94
09	AZ	PARKER PESTICIDES	AZD982405102	Fund Removal	001	10/5/88	1/5/89
09	AZ	SAN CARLOS PESTICIDES SITE	AZ0001509819	Fund Removal	001	8/29/96	
09	AZ	SAN TAN INDUSTRIAL PARK	AZD982405045	FF Removal	001	9/22/88	6/27/89
09	AZ	SANDERS AVIATION	AZD038954114	Fund Removal	001	3/24/95	1/10/97
09	AZ	SANTA FE TRAIN DERAILMENT	AZD982405284	FF Removal	001	7/1/86	3/1/89
09	AZ	SOUTHWEST FOREST IND WOOD TREATMENT PLT	AZD006398703	Fund Removal	001	11/4/91	8/16/92
09	AZ	STANFORD #1	AZD982028821	Fund Removal	001	3/20/87	11/5/87
09	AZ	STANFORD #2	AZD982028888	Fund Removal	001	3/20/87	11/5/87
09	AZ	TUBA CITY ACID TANK	AZD981621899	Fund Removal	001	9/3/82	9/10/82
09	AZ	TUCSON INTERNATIONAL AIRPORT AREA	AZD980737530	FF Removal	001	2/11/91	5/9/91
09	AZ	TUCSON INTERNATIONAL AIRPORT AREA	AZD980737530	FF Removal	003	11/4/96	2/27/97
09	AZ	TUCSON INTERNATIONAL AIRPORT AREA	AZD980737530	PRP Removal	001	1/10/96	
09	AZ	TUCSON INTERNATIONAL AIRPORT AREA	AZD980737530	PRP Removal	002	1/15/96	
09	AZ	TUCSON INTERNATIONAL AIRPORT AREA	AZD980737530	PRP Removal	003	1/20/96	
09	AZ	TUCSON INTERNATIONAL AIRPORT AREA	AZD980737530	PRP Removal	004	4/24/97	3/31/98
09	AZ	TUCSON INTERNATIONAL AIRPORT AREA	AZD980737530	PRP Removal	005	3/3/97	8/15/97
09	AZ	TUCSON INTERNATIONAL AIRPORT AREA	AZD980737530	PRP Removal	006	8/14/97	
09	AZ	TUCSON INTERNATIONAL AIRPORT AREA	AZD980737530	PRP Removal	007	10/15/96	7/25/97
09	AZ	TUCSON INTERNATIONAL AIRPORT AREA	AZD980737530	Fund Removal	001	5/4/96	
09	AZ	UPI SURPRISE (VALLEY SPRAYER & DUSTER)	AZD980809042	FF Removal	001	12/1/85	10/1/86

09	AZ	WILLIAMS AIR FORCE BASE	PRP Removal	001	9/21/90	5/31/91
09	AZ	WILLIAMS AIR FORCE BASE	PRP Removal	002	9/21/90	12/20/92
09	AZ	WILLIAMS AIR FORCE BASE	PRP Removal	004	9/21/90	5/31/91
09	AZ	WILLIAMS AIR FORCE BASE	PRP Removal	005	9/21/90	12/20/92
09	CA	A & W SMELTER	Fund Removal	001	1/14/93	1/19/93
09	CA	ABANDONED DRUM/ANTIPOCH	Fund Removal	001	6/9/84	8/22/84
09	CA	ABCO METAL FINISHING	Fund Removal	001	5/6/87	11/17/87
09	CA	ACTION PLATING	Fund Removal	001	3/2/92	7/16/92
09	CA	ADVANCED MINI STORAGE	FF Removal	001	8/1/89	6/14/90
09	CA	AERO PLATING	Fund Removal	001	5/19/87	7/31/87
09	CA	AERQUET GENERAL CORP	FF Removal	001	5/8/95	11/22/95
09	CA	ALAMEDA NAVAL AIR STA	PRP Removal	001	9/20/97	
09	CA	ALAMEDA NAVAL AIR STA	PRP Removal	002	9/20/97	
09	CA	ALCO PACIFIC INC.	Fund Removal	001	5/11/86	6/23/86
09	CA	AMERICAN CHROME	FF Removal	001	10/27/95	
09	CA	ANGELES NAT FOREST PCP FACTORY INCIDENT	Fund Removal	001	7/21/82	7/23/82
09	CA	APODACA & SONS PLATING	FF Removal	001	10/3/80	3/4/82
09	CA	APPLE VALLEY DRUM SITE	Fund Removal	001	2/16/95	2/24/95
09	CA	ARNOLD WEED	Fund Removal	001	6/4/85	6/5/85
09	CA	ASYLUM SLOUGH OIL SPILL	Fund Removal	001	4/12/86	5/16/86
09	CA	AVENUE A	Fund Removal	001	10/25/88	2/1/89
09	CA	AVENUE A	Fund Removal	002	12/17/90	3/23/91
09	CA	BANNING DRUMS	Fund Removal	001	9/14/92	1/8/93
09	CA	BARSTOW MARINE CORPS LOGISTICS BASE	PRP Removal	001	11/24/92	6/14/93
09	CA	BARSTOW MARINE CORPS LOGISTICS BASE	PRP Removal	002	7/19/93	8/18/93
09	CA	BARSTOW MARINE CORPS LOGISTICS BASE	PRP Removal	003	7/19/94	8/23/94
09	CA	BARSTOW MARINE CORPS LOGISTICS BASE	PRP Removal	004	8/22/94	8/26/94
09	CA	BARSTOW MARINE CORPS LOGISTICS BASE	PRP Removal	006	7/21/95	8/4/95
09	CA	BARSTOW MARINE CORPS LOGISTICS BASE	PRP Removal	008	10/27/95	
09	CA	BORDER AREA DRUM SITE	PRP Removal	007	7/22/97	8/21/87
09	CA	BRIDGES AND SON TRUCKING	Fund Removal	001	7/19/90	7/19/90
09	CA	BROOKSHIRE PLATING	FF Removal	001	8/13/89	9/11/89
09	CA	BROWN & BRYANT, INC. (ARVIN PLANT)	Fund Removal	001	10/11/83	9/22/84
09	CA	BROWN & BRYANT, INC. (ARVIN PLANT)	FF Removal	001	5/24/91	3/8/92
09	CA	BROWN AND BRYANT INC SHAFER FACIL	Fund Removal	001	4/8/91	1/28/93
09	CA	BROWN FIELD HAZARDOUS WASTE SITE	FF Removal	001	2/3/92	3/22/93
09	CA	BUILDERS HARDWARE FINISHING INC	Fund Removal	001	7/22/83	6/15/83
09	CA	CAELUS DEVICES INC	Fund Removal	001	5/23/88	7/18/88
09	CA	CAJON DERAILMENT	Fund Removal	001	9/30/91	1/13/92
09	CA	CALIFORNIA BIONUCLEAR	Fund Removal	001	2/1/96	3/13/96
09	CA	CALIFORNIA CREATIVE DYNAMICS CO INC	FF Removal	001	1/27/87	1/28/87
09	CA	CAMP PENDLETON MARINE CORPS BASE	Fund Removal	001	11/2/87	7/30/87
09	CA	CAMP PENDLETON MARINE CORPS BASE	PRP Removal	001	8/19/94	12/22/95

09	CA	CAMP PENDLETON MARINE CORPS BASE	CA2170023533	PRP Removal	002	4/22/96	9/12/97
09	CA	CAMP PENDLETON MARINE CORPS BASE	CA2170023533	PRP Removal	001	8/1/96	9/4/97
09	CA	CANTARA LOOP TRAIN WRECK	CAD983588674	FF Removal	003	7/1/91	3/17/92
09	CA	CANTARA LOOP TRAIN WRECK	CAD983588674	Fund Removal	001	7/15/91	7/28/91
09	CA	CARLSBAD	CAD981621717	Fund Removal	001	5/26/82	5/27/82
09	CA	CASMALIA RESOURCES	CAD020148125	Fund Removal	001	8/3/92	
09	CA	CASTLE AIR FORCE BASE	CA3570024551	PRP Removal	001	10/30/80	6/24/86
09	CA	CASTLE AIR FORCE BASE	CA3570024551	PRP Removal	002	8/1/96	12/12/96
09	CA	CASTLE AIR FORCE BASE	CA3570024551	PRP Removal	003	2/1/96	8/26/96
09	CA	CASTLE AIR FORCE BASE	CA3570024551	PRP Removal	004	4/1/94	
09	CA	CASTLE AIR FORCE BASE	CA3570024551	PRP Removal	005	4/1/94	
09	CA	CASTLE AIR FORCE BASE	CA3570024551	PRP Removal	006	9/11/95	
09	CA	CASTLE AIR FORCE BASE	CA3570024551	PRP Removal	007	9/11/95	
09	CA	CASTLE AIR FORCE BASE	CA3570024551	PRP Removal	008	9/11/95	
09	CA	CASTLE AIR FORCE BASE	CA3570024551	PRP Removal	009	4/9/97	
09	CA	CASTLE AIR FORCE BASE	CA3570024551	PRP Removal	010	9/1/97	
09	CA	CASTLE AIR FORCE BASE	CA3570024551	PRP Removal	011	2/1/98	11/2/98
09	CA	CASTLE AIR FORCE BASE	CA3570024551	PRP Removal	012	10/29/98	
09	CA	CELTOR CHEMICAL WORKS	CAD980638960	Fund Removal	001	9/23/83	12/21/83
09	CA	CENTRAL EUREKA MINE	CA0000726539	Fund Removal	001	5/23/95	
09	CA	CENTURY PLATING COMPANY INC	CAD980686639	Fund Removal	001	11/4/91	9/30/93
09	CA	CHEROKEE TRUCKING	CAD980638542	Fund Removal	001	10/29/84	2/16/85
09	CA	COMSTOCK ROAD-CHICO CHEMICALS	CAD983523862	Fund Removal	001	4/7/92	4/11/92
09	CA	COPPERPOLIS ASBESTOS	CAD981621774	Fund Removal	001	4/30/86	5/22/86
09	CA	CORAY PLATING	CA0002334639	FF Removal	001	5/4/98	5/28/98
09	CA	CRESTLINE DRMO	CA0000840894	Fund Removal	001	11/15/94	11/18/94
09	CA	CSI TECHNOLOGIES	CAD980882849	Fund Removal	001	9/13/84	3/15/85
09	CA	D C METALS	CA0001516081	Fund Removal	001	12/2/96	
09	CA	DEL NORTE PESTICIDE STORAGE	CAD000826176	Fund Removal	001	6/24/87	2/28/88
09	CA	DIAMOND XX	CA000008946	FF Removal	001	6/26/95	
09	CA	DIXCO	CAD981622251	Fund Removal	001	10/19/84	12/1/84
09	CA	DURHAM DRUM SITE	CAD982404774	Fund Removal	003	10/24/89	7/20/90
09	CA	E C KRAEMER	CAD981622079	Fund Removal	001	11/9/86	5/15/87
09	CA	EAGLES NEST PAINT	CAD983641051	Fund Removal	001	7/4/92	7/6/92
09	CA	EDWARDS AIR FORCE BASE	CA1570024504	PRP Removal	001	6/30/92	
09	CA	EL MONTE DRUM	CAD981622301	Fund Removal	001	4/10/86	6/24/86
09	CA	ELSINORE DRUMS	CAD983638576	Fund Removal	001	6/17/92	8/31/92
09	CA	ENVIROPI/PRC	CA0001562370	Fund Removal	001	9/23/96	3/31/98
09	CA	FAIRCHILD SEMICONDUCTOR CORP (MT VIEW)	CAD0983989778	FF Removal	001	2/13/89	5/5/89
09	CA	FOAM SERVICES CORP	CAD098340309	FF Removal	001	9/5/87	9/19/88
09	CA	FORT ORD	CA7210020676	PRP Removal	008	5/20/94	
09	CA	FORT ORD	CA7210020676	PRP Removal	009	7/13/94	10/24/94
09	CA	FORT ORD	CA7210020676	PRP Removal	010	7/19/94	11/10/94

09	CA	CAMP PENDLETON MARINE CORPS BASE	CA2170023533	PRP Removal	002	4/22/96	9/12/97
09	CA	CAMP PENDLETON MARINE CORPS BASE	CA2170023533	PRP Removal	003	8/1/96	9/4/97
09	CA	CANTARA LOOP TRAIN WRECK	CA0983598674	FF Removal	001	7/14/91	3/17/92
09	CA	CANTARA LOOP TRAIN WRECK	CA0983598674	Fund Removal	001	7/15/91	7/28/91
09	CA	CARLSBAD	CA0981621717	Fund Removal	001	5/26/82	5/27/82
09	CA	CASUALTY RESOURCES	CA0020748125	Fund Removal	001	8/3/92	
09	CA	CASTLE AIR FORCE BASE	CA3570024551	PRP Removal	001	10/30/90	6/24/96
09	CA	CASTLE AIR FORCE BASE	CA3570024551	PRP Removal	002	6/1/96	12/12/96
09	CA	CASTLE AIR FORCE BASE	CA3570024551	PRP Removal	003	2/1/96	8/26/96
09	CA	CASTLE AIR FORCE BASE	CA3570024551	PRP Removal	004	4/11/94	
09	CA	CASTLE AIR FORCE BASE	CA3570024551	PRP Removal	005	4/11/94	
09	CA	CASTLE AIR FORCE BASE	CA3570024551	PRP Removal	006	9/11/95	
09	CA	CASTLE AIR FORCE BASE	CA3570024551	PRP Removal	007	9/11/95	
09	CA	CASTLE AIR FORCE BASE	CA3570024551	PRP Removal	008	9/11/95	
09	CA	CASTLE AIR FORCE BASE	CA3570024551	PRP Removal	009	4/9/97	
09	CA	CASTLE AIR FORCE BASE	CA3570024551	PRP Removal	010	9/1/97	
09	CA	CASTLE AIR FORCE BASE	CA3570024551	PRP Removal	011	2/11/98	11/2/98
09	CA	CASTLE AIR FORCE BASE	CA3570024551	PRP Removal	012	10/29/98	
09	CA	CELTOR CHEMICAL WORKS	CA0980939860	Fund Removal	001	9/23/83	12/21/83
09	CA	CENTURY PLATING COMPANY INC	CA000726539	Fund Removal	001	5/23/95	
09	CA	CHEROKEE TRUCKING	CA0983608639	Fund Removal	001	11/4/91	9/30/93
09	CA	COMSTOCK ROAD-CHICO CHEMICALS	CA0980636542	Fund Removal	001	10/29/84	2/16/85
09	CA	COPPEROPOLIS ASBESTOS	CA0983623802	Fund Removal	001	4/7/92	4/11/92
09	CA	CORAY PLATING	CA0981621774	Fund Removal	001	4/30/85	5/22/86
09	CA	CRESTLINE DRMO	CA002334639	FF Removal	001	5/4/98	5/28/98
09	CA	CSI TECHNOLOGIES	CA000940884	Fund Removal	001	11/15/94	11/16/94
09	CA	D C METALS	CA098082849	Fund Removal	001	9/13/84	3/15/85
09	CA	DIAMOND XX	CA0001576081	Fund Removal	001	12/2/96	
09	CA	DEL NORTE PESTICIDE STORAGE	CA0000626176	Fund Removal	001	8/24/87	2/28/88
09	CA	DURHAM DRUM SITE	CA000008946	FF Removal	001	6/26/95	
09	CA	DURHAM DRUM SITE	CA0981622251	Fund Removal	001	10/19/84	12/1/84
09	CA	E C KRAEMER	CA0982404774	Fund Removal	001	10/24/89	7/20/90
09	CA	EAGLES NEST PAINT	CA0981622079	Fund Removal	001	11/19/86	5/15/87
09	CA	EDWARDS AIR FORCE BASE	CA0983641051	Fund Removal	001	7/4/92	7/6/92
09	CA	EL MONTE DRUM	CA1570024504	PRP Removal	001	6/30/92	
09	CA	ELSNORE DRUMS	CA0981622301	Fund Removal	001	4/10/86	6/24/86
09	CA	ENVIROPUR/PRC	CA0983638576	Fund Removal	001	6/17/92	8/31/92
09	CA	FAIRCHILD SEMICONDUCTOR CORP (MT VIEW)	CA0001562370	Fund Removal	001	9/23/95	3/31/98
09	CA	FOAM SERVICES CORP	CA0983698778	Fund Removal	001	2/13/89	5/6/89
09	CA	FORT ORD	CA0008340309	FF Removal	001	9/5/87	9/19/88
09	CA	FORT ORD	CA2170020676	PRP Removal	008	5/20/94	
09	CA	FORT ORD	CA2170020676	PRP Removal	009	7/13/94	10/24/94
09	CA	FORT ORD	CA2170020676	PRP Removal	010	11/10/94	11/10/94

09	CA	LOMPOC PLATING SITE	CA0983566191	Fund Removal	001	4/1/90	8/1/90
09	CA	LONG BEACH DRUM	CA098 622004	Fund Removal	001	8/19/84	8/20/84
09	CA	LONG BEACH NAVAL STA	CA170023194	PRP Removal	001	8/20/96	11/15/96
09	CA	LORENTZ BARREL & DRUM CO	CA0029295706	FF Removal	001	12/9/92	9/29/94
09	CA	LORENTZ BARREL & DRUM CO	CA0029295706	FF Removal	002	2/14/94	9/29/94
09	CA	LORENTZ BARREL & DRUM CO	CA0029295706	Fund Removal	001	8/31/87	3/31/88
09	CA	LORENTZ BARREL & DRUM CO	CA0029295706	Fund Removal	002	8/31/87	3/29/88
09	CA	LOS ANGELES HARBOR DRUM	CA098 622061	Fund Removal	001	10/29/82	10/29/82
09	CA	LOST HILLS DUMP	CA0983598985	Fund Removal	001	7/19/91	7/18/91
09	CA	MAJOR SALVAGE CO	CA0980817449	FF Removal	001	3/10/83	5/11/83
09	CA	MAJOR SALVAGE CO	CA0980817449	Fund Removal	001	2/19/83	8/15/83
09	CA	MARCH AIR FORCE BASE	CA4570024527	PRP Removal	001	9/27/90	
09	CA	MARCH AIR FORCE BASE	CA4570024527	PRP Removal	003	9/1/91	
09	CA	MARE ISLAND NAVAL SHIPYARD	CA170024775	PRP Removal	001	11/9/84	4/1/86
09	CA	MARE ISLAND NAVAL SHIPYARD	CA170024775	PRP Removal	002	1/4/85	3/13/86
09	CA	MARE ISLAND NAVAL SHIPYARD	CA170024775	PRP Removal	003	1/19/85	4/17/86
09	CA	MARE ISLAND NAVAL SHIPYARD	CA170024775	PRP Removal	004	2/15/97	
09	CA	MARE ISLAND NAVAL SHIPYARD	CA170024775	PRP Removal	006	11/23/85	
09	CA	MARE ISLAND NAVAL SHIPYARD	CA170024775	PRP Removal	009	2/5/97	2/21/87
09	CA	MARE ISLAND NAVAL SHIPYARD	CA170024775	PRP Removal	010	2/25/98	
09	CA	MARE ISLAND NAVAL SHIPYARD	CA170024775	PRP Removal	011	6/1/88	
09	CA	MATHER AIR FORCE BASE	CA6570024143	PRP Removal	001	9/15/94	
09	CA	MATHER AIR FORCE BASE	CA6570024143	PRP Removal	002	10/3/97	
09	CA	MCCLELLAN AIR FORCE BASE (GW CONTAM)	CA4570024337	PRP Removal	001	9/1/89	5/11/85
09	CA	MCCLELLAN AIR FORCE BASE (GW CONTAM)	CA4570024337	PRP Removal	002	6/21/94	
09	CA	MCCLELLAN AIR FORCE BASE (GW CONTAM)	CA4570024337	PRP Removal	003	3/31/95	
09	CA	MCCLELLAN AIR FORCE BASE (GW CONTAM)	CA4570024337	PRP Removal	004	2/23/85	
09	CA	MCCLELLAN AIR FORCE BASE (GW CONTAM)	CA4570024337	PRP Removal	005	9/21/95	
09	CA	MCCLELLAN AIR FORCE BASE (GW CONTAM)	CA4570024337	PRP Removal	006	3/11/86	
09	CA	MCCLELLAN AIR FORCE BASE (GW CONTAM)	CA4570024337	PRP Removal	007	7/2/97	
09	CA	MCCLELLAN AIR FORCE BASE (GW CONTAM)	CA4570024337	PRP Removal	008	2/13/97	
09	CA	MCCLELLAN AIR FORCE BASE (GW CONTAM)	CA4570024337	PRP Removal	010	12/3/97	
09	CA	MCCLELLAN AIR FORCE BASE (GW CONTAM)	CA4570024337	PRP Removal	011	6/25/98	
09	CA	MCCLELLAN AIR FORCE BASE (GW CONTAM)	CA4570024337	PRP Removal	012	6/25/98	
09	CA	MCCLELLAN AIR FORCE BASE (GW CONTAM)	CA4570024337	PRP Removal	015	3/6/97	3/15/97
09	CA	MCCOLL	CA4570024337	PRP Removal	019	6/24/98	
09	CA	MCCOLL	CA0980498695	Fund Removal	001	2/3/86	2/7/86
09	CA	MCCOLL	CA0980498695	Fund Removal	002	1/25/88	3/31/88
09	CA	MCCOLL	CA0980498695	Fund Removal	003	5/6/91	5/6/91
09	CA	MCCOLL	CA0980498695	Fund Removal	004	10/22/91	10/25/91
09	CA	MCCORMICK & BAXTER CREOSOTING CO	CA009106527	Fund Removal	001	7/8/92	
09	CA	MCCORMICK & BAXTER CREOSOTING CO	CA009106527	Fund Removal	002	8/19/96	
09	CA	MCKINNON	CA0982029001	Fund Removal	001	11/5/87	12/29/87

09	CA	MERCED LAUNDRY	CAD989586118	FF Removal	001	8/19/91	3/24/95
09	CA	METH-LAB YUCAIPA	CAD981622129	Fund Removal	001	3/2/86	3/5/86
09	CA	MEXAM DRUMS	CAD983621079	Fund Removal	001	3/11/82	3/26/92
09	CA	MISSION PLATING	CAD042082081	FF Removal	001	10/5/93	1/10/94
09	CA	MITCHELL MILL DRUG LAB	CA000969246	Fund Removal	001	12/2/94	12/3/94
09	CA	MODESTO GROUND WATER CONTAMINATION	CAD981987762	FF Removal	001	2/18/91	7/14/87
09	CA	MOFFETT NAVAL AIR STATION	CA2170090078	PRP Removal	001	12/1/82	
09	CA	MOFFETT NAVAL AIR STATION	CA2170090078	PRP Removal	002	10/15/93	
09	CA	MOFFETT NAVAL AIR STATION	CA2170090078	PRP Removal	003	10/20/94	
09	CA	MONTROSE CHEMICAL CORP	CAD008242711	FF Removal	001	2/19/68	6/21/89
09	CA	MONTROSE CHEMICAL CORP	CAD008242711	FF Removal	002	6/17/96	3/31/99
09	CA	MONTROSE CHEMICAL CORP	CAD008242711	FF Removal	001	4/11/94	
09	CA	MOORPARK METH DRUG LAB	CA001189523	Fund Removal	001	3/17/97	3/31/97
09	CA	MORONGO LAB WASTE	CAD983671058	Fund Removal	001	7/7/83	7/23/83
09	CA	MURRIETA SCHOOL	CAD982405409	Fund Removal	001	8/31/88	1/6/89
09	CA	NAVAL SUPPLY CENTER PT MOLATE SITE	CA0170090021	PRP Removal	001	11/15/96	
09	CA	NAVAL SUPPLY CENTER PT MOLATE SITE	CA0170090021	PRP Removal	002	8/13/87	
09	CA	NELCO OIL REFINING	CAD008352890	Fund Removal	001	8/10/91	7/2/81
09	CA	NELCO OIL REFINING	CAD008352890	Fund Removal	002	3/22/93	12/7/93
09	CA	NICKEL SOLUTION RECYCLING INC	CAD980883706	Fund Removal	001	3/18/83	4/2/83
09	CA	NORCO BATTERY	CAD982040057	FF Removal	001	7/11/88	2/8/89
09	CA	NORTON AIR FORCE BASE	CA4570024345	PRP Removal	001	1/4/91	4/8/92
09	CA	NORTON AIR FORCE BASE	CA4570024345	PRP Removal	002	12/21/95	
09	CA	NORTON AIR FORCE BASE	CA4570024345	PRP Removal	003	3/29/96	
09	CA	NORTON AIR FORCE BASE	CA4570024345	PRP Removal	004	6/29/96	
09	CA	NORTON AIR FORCE BASE	CA4570024345	PRP Removal	006	3/25/96	4/22/97
09	CA	NORTON AIR FORCE BASE	CA4570024345	PRP Removal	007	4/25/96	
09	CA	NORTON AIR FORCE BASE	CA4570024345	PRP Removal	008	4/18/96	12/19/97
09	CA	NORTON AIR FORCE BASE	CA4570024345	PRP Removal	009	6/30/97	12/8/98
09	CA	NORTON AIR FORCE BASE	CA4570024345	PRP Removal	010	10/29/97	
09	CA	NORTON AIR FORCE BASE	CA4570024345	PRP Removal	011	6/25/97	12/8/98
09	CA	NORTON AIR FORCE BASE	CA4570024345	PRP Removal	012	4/15/96	7/22/97
09	CA	NU-WAY PLATING	CAD008309890	FF Removal	001	3/1/95	
09	CA	OAKLAND NAVAL SUPPLY CENTER	CA4170090027	PRP Removal	001	7/7/95	3/31/97
09	CA	OAKLAND NAVAL SUPPLY CENTER	CA4170090027	PRP Removal	001	3/2/98	4/29/98
09	CA	OCEAN PARK LEAD	CA0091688532	Fund Removal	001	5/12/87	5/28/87
09	CA	OMEGA CHEMICAL CORP	CA0042245001	FF Removal	001	6/27/85	
09	CA	ONE SOURCE CHEMICAL EMERGENCY RESPONSE	CASF00905999	Fund Removal	001	7/9/98	7/9/98
09	CA	OPERATING INDUSTRIES, INC., LANDFILL	CAT080012024	Fund Removal	001	10/8/85	8/1/87
09	CA	OPERATING INDUSTRIES, INC., LANDFILL	CAT080012024	Fund Removal	002	10/1/86	4/10/87
09	CA	OPERATING INDUSTRIES, INC., LANDFILL	CAT080012024	Fund Removal	003	2/15/87	8/1/87
09	CA	OPERATING INDUSTRIES, INC., LANDFILL	CAT080012024	Fund Removal	004	11/23/92	
09	CA	PACIFIC INTERMEDIATES	CAD982523243	Fund Removal	001	4/12/89	7/6/89

09	CA	PACIFIC POLISHING	Fund Removal	CAD981375298	001	4/18/94	2/25/91
09	CA	PACIFIC STATES STEEL	Fund Removal	CAD980363039	001	9/4/90	10/1/91
09	CA	PALA INDIAN RESERVATION	Fund Removal	NND983680600	001	10/1/91	12/27/96
09	CA	PANOCHE TIRE DUMP FIRE	Fund Removal	CA0001409424	001	5/23/96	3/21/85
09	CA	PARKSIDE	Fund Removal	CAD981622434	001	2/20/85	1/22/88
09	CA	PARMENTER & BRYAN #1	FF Removal	CAD982359317	001	1/3/88	9/29/94
09	CA	PEMACO MAYWOOD	Fund Removal	CAD980737092	001	12/14/83	
09	CA	PEMACO MAYWOOD	Fund Removal	CAD980737092	002	8/18/87	
09	CA	PEPPER DRIVE CHEMICAL	Fund Removal	CA0001096429	001	4/12/95	4/17/85
09	CA	PORT OF LOS ANGELES	FF Removal	CAD982523318	001	5/21/89	1/10/91
09	CA	PRATTIER DRUM SITE	Fund Removal	CAD982506356	001	5/5/89	5/16/89
09	CA	PROTO METALS	Fund Removal	CA0001898576	001	4/9/97	5/6/97
09	CA	PURITY OIL SALES, INC	Fund Removal	CAD980736151	001	3/25/85	4/4/85
09	CA	PURITY OIL SALES, INC	Fund Removal	CAD980736151	002	3/25/85	5/6/85
09	CA	PURITY OIL SALES, INC	Fund Removal	CAD980736151	003	9/14/87	9/17/87
09	CA	RAINTREE PLAGE	Fund Removal	CAD983698011	001	5/29/93	5/30/93
09	CA	RALPH GRAY TRUCKING CO	Fund Removal	CAD981995947	001	9/23/94	
09	CA	RAMSON ENTERPRISES IINC	Fund Removal	CAD982359440	001	5/13/92	4/8/93
09	CA	RED PHOSPHOROUS SITE	Fund Removal	CAD983668856	001	5/27/93	6/3/93
09	CA	RIGEL STREET DRUM SITE	Fund Removal	CAD982029423	001	2/5/87	5/29/87
09	CA	RIO BRAVO REFINING	FF Removal	CA0000262501	001	4/5/88	7/19/88
09	CA	RIVERBANK ARMY AMMUNITION PLANT	PRP Removal	CA7210020759	001	1/17/89	12/19/90
09	CA	RIVERBANK ARMY AMMUNITION PLANT	PRP Removal	CA7210020759	002	4/12/90	12/30/93
09	CA	RIVERBANK ARMY AMMUNITION PLANT	PRP Removal	CA7210020759	003	3/15/91	12/4/92
09	CA	ROIC/SUN VALLEY	Fund Removal	CAD981622491	001	4/15/85	6/20/85
09	CA	ROSELAND SCHOOL WELLS	Fund Removal	CAD983649625	001	1/15/93	1/18/93
09	CA	ROSEVILLE DRUMS	Fund Removal	CAD981623085	001	3/10/88	11/9/88
09	CA	RUBIDOUX RED PHOSPHOROUS	Fund Removal	CA0001100395	001	5/24/95	5/26/95
09	CA	RUSSIAN RIVER FLOOD	Fund Removal	CA0001019546	001	1/15/95	
09	CA	RYAN PAINTS	Fund Removal	CAD981165562	001	2/5/88	3/14/88
09	CA	SACRAMENTO (ROBBINS)	Fund Removal	CAD981622483	001	10/5/81	12/14/81
09	CA	SACRAMENTO RIVER	Fund Removal	CAD981622558	001	2/15/83	2/16/83
09	CA	SAN BERNARDINO CHEMICAL	Fund Removal	CA0000195602	001	4/7/94	4/15/94
09	CA	SAN DIMAS RED PHOSPHOROUS	Fund Removal	CA0000857540	001	10/3/94	10/14/94
09	CA	SAN FELIPE RD. GAS CYL	Fund Removal	CAD983659426	001	4/5/93	8/5/93
09	CA	SAN FERNANDO VALLEY (AREA 1)	Fund Removal	CAD980994893	001	9/27/90	5/23/91
09	CA	SAN FRANCISCO BAY	Fund Removal	CAD981622541	001	12/31/83	1/4/84
09	CA	SAN MARCOS MINI STORAGE SITE	Fund Removal	CAD983615154	001	1/6/92	1/8/92
09	CA	SAN YSIDRO DRUM SITE	FF Removal	CA8210020932	001	2/20/92	4/27/92
09	CA	SHARPE ARMY DEPOT	PRP Removal	CA000166862	001	12/6/94	6/13/95
09	CA	SIERRA MADRE MAD SCIENTIST	Fund Removal	CA0001411974	001	1/7/87	
09	CA	SOBOBA DRUG LAB SITE	Fund Removal	CA0001411974	001	6/20/96	7/8/98
09	CA	SOUTH BAY ASBESTOS AREA	Fund Removal	CAD980984885	001	10/14/85	5/20/86

09	CA	SOUTH BAY ASBESTOS AREA	CA098094885	Fund Removal	002	5/28/87	7/6/87
09	CA	SOUTH HALF MOON BAY	CA0981622616	Fund Removal	001	8/11/85	8/14/85
09	CA	STANDARD CHEMICAL	CA0981622608	Fund Removal	001	6/9/83	11/14/83
09	CA	STANKEVICH #1 NORWALK	CA0980883730	Fund Removal	001	6/15/84	9/14/84
09	CA	STANKEVICH #2 SANTA FE SPRINGS	CA0980883672	Fund Removal	001	6/13/84	7/13/84
09	CA	STORE FOR LESS	CA0983590879	Fund Removal	001	4/5/91	4/30/91
09	CA	STRINGFELLOW	CA1080012826	Fund Removal	003	9/11/83	11/3/83
09	CA	STRINGFELLOW	CA1080012826	Fund Removal	004	6/28/85	6/28/85
09	CA	STRINGFELLOW	CA1080012826	Fund Removal	005	12/11/80	1/7/81
09	CA	STRINGFELLOW	CA1080012826	Fund Removal	006	5/24/83	6/15/83
09	CA	SUISUN BAY FLEET	CA5690060571	FF Removal	001	7/29/91	10/23/92
09	CA	SULPHUR BANK MERCURY MINE	CAD980893275	Fund Removal	001	5/14/92	
09	CA	SULPHUR BANK MERCURY MINE	CAD980893275	Fund Removal	003	8/12/97	
09	CA	SULPHUR BANK MERCURY MINE	CA0980893275	Fund Removal	005	2/16/98	
09	CA	SUNLAND CHEMICAL SITE	CAD983566431	Fund Removal	001	5/29/90	6/14/90
09	CA	SUPER CHROME PLATING	CAD008248986	Fund Removal	001	5/15/94	3/26/96
09	CA	SYNTRUM CORPORATION	CA0002269837	Fund Removal	001	2/9/98	
09	CA	TECATE HAZARDOUS WASTE SITE	CAD980881650	Fund Removal	001	8/4/83	8/12/83
09	CA	THE CRUZ RANCH	CA0001598887	Fund Removal	001	11/19/96	11/22/96
09	CA	THERMAL DRUM SITE	CAD983664988	Fund Removal	001	4/9/93	4/20/93
09	CA	TRACY DEFENSE DEPOT	CA4871520834	PRP Removal	001	9/15/97	7/13/98
09	CA	TRAVIS AIR FORCE BASE	CA5570024575	PRP Removal	001	5/21/91	
09	CA	TRAVIS AIR FORCE BASE	CA5570024575	PRP Removal	002	6/14/93	6/18/93
09	CA	TRAVIS AIR FORCE BASE	CA5570024575	PRP Removal	003	6/15/93	11/15/95
09	CA	TRAVIS AIR FORCE BASE	CA5570024575	PRP Removal	004	5/19/95	
09	CA	TREASURE ISLAND NAVAL STATION-HUN PT AN	CA1170090087	PRP Removal	001	6/25/87	3/31/89
09	CA	TREASURE ISLAND NAVAL STATION-HUN PT AN	CA1170090087	PRP Removal	002	3/14/88	12/3/90
09	CA	TREASURE ISLAND NAVAL STATION-HUN PT AN	CA1170090087	PRP Removal	003	8/28/90	1/5/94
09	CA	TREASURE ISLAND NAVAL STATION-HUN PT AN	CA1170090087	PRP Removal	004	9/13/90	10/22/93
09	CA	TREASURE ISLAND NAVAL STATION-HUN PT AN	CA1170090087	PRP Removal	005	12/3/90	11/18/92
09	CA	TREASURE ISLAND NAVAL STATION-HUN PT AN	CA1170090087	PRP Removal	006	4/26/91	7/31/96
09	CA	TREASURE ISLAND NAVAL STATION-HUN PT AN	CA1170090087	PRP Removal	007	11/2/91	7/12/92
09	CA	TREASURE ISLAND NAVAL STATION-HUN PT AN	CA1170090087	PRP Removal	008	8/22/96	
09	CA	TREASURE ISLAND NAVAL STATION-HUN PT AN	CA1170090087	PRP Removal	009	5/1/97	1/1/98
09	CA	TREASURE ISLAND NAVAL STATION-HUN PT AN	CA1170090087	PRP Removal	010	10/18/96	
09	CA	TREASURE ISLAND NAVAL STATION-HUN PT AN	CA1170090087	PRP Removal	011	7/24/96	9/5/97
09	CA	TREASURE ISLAND NAVAL STATION-HUN PT AN	CA1170090087	PRP Removal	012	9/13/96	
09	CA	TREASURE ISLAND NAVAL STATION-HUN PT AN	CA1170090087	PRP Removal	013	9/6/96	12/19/97
09	CA	TRW COMPRESSED GAS CYLINDER	CAD981621832	FF Removal	001	2/28/86	2/28/86
09	CA	TRW COMPRESSED GAS CYLINDER	CAD981621832	Fund Removal	001	8/19/83	8/22/83
09	CA	TULARE PESTICIDES	CA0000017285	Fund Removal	001	12/28/83	2/16/84
09	CA	TURLOCK DRUMS	CAD983639188	Fund Removal	001	6/7/92	6/12/92
09	CA	TURLOCK RED PHOSPHORUS	CA0001198558	Fund Removal	001	7/17/95	7/19/95

09	CA	TUSTIN MARINE CORPS AIR STATION	CA9170090022	PRP Removal	001	8/1/87	11/1/87
09	CA	TUSTIN MARINE CORPS AIR STATION	CA9170090022	PRP Removal	002	5/22/87	6/20/87
09	CA	TUSTIN MARINE CORPS AIR STATION	CA9170090022	PRP Removal	003	8/1/87	10/1/87
09	CA	TUSTIN MARINE CORPS AIR STATION	CA9170090022	PRP Removal	004	8/1/87	11/1/87
09	CA	TUSTIN MARINE CORPS AIR STATION	CA9170090022	PRP Removal	005	5/22/87	6/20/87
09	CA	TUSTIN MARINE CORPS AIR STATION	CA9170090022	PRP Removal	006	8/1/87	10/1/87
09	CA	UNITED HECKATHORN CO	CAD081436363	FF Removal	001	8/26/86	6/14/86
09	CA	UNITED HECKATHORN CO	CAD081436363	FF Removal	002	5/3/83	5/7/83
09	CA	VALLEY WOOD PRESERVING, INC	CAD060020143	FF Removal	001	1/9/90	1/2/81
09	CA	VAN DER HORST CORPORATION OF AMERICA	CAD020159166	FF Removal	001	1/10/82	5/4/82
09	CA	VAN DER HORST CORPORATION OF AMERICA	CAD020159166	FF Removal	002	12/13/83	4/1/84
09	CA	VERDESE CARTER PARK	CAD980496913	FF Removal	001	8/5/86	
09	CA	WASTE DISPOSAL, INC	CAD980894357	FF Removal	001	3/28/88	4/27/88
09	CA	WEST COAST PLATING CO	CAD001611482	Fund Removal	001	1/15/86	
09	CA	WESTERN PACIFIC RAILROAD CO	CAD980894679	FF Removal	001	9/7/83	
09	CA	WESTERN STATES REFINING	CAD070005083	Fund Removal	001	5/28/86	7/11/86
09	CA	WHISKEYTOWN NPS	CA0000362400	Fund Removal	001	6/6/84	7/9/84
09	CA	WHITTIER PROPEL	CAD982028853	Fund Removal	001	2/22/88	4/6/88
09	CA	YREKA DRUG LAB	CA1122380551	Fund Removal	001	9/6/90	10/17/90
09	CM	PCB WAREHOUSE	CMD980798318	Fund Removal	001	11/18/83	4/29/84
09	CM	SAIPAN #1 (PCB)	CMD982404758	Fund Removal	001	9/19/88	10/1/88
09	CM	SAIPAN #2 PESTICIDE SITE A	CMD982404823	Fund Removal	001	9/19/88	10/1/88
09	GU	ANDERSEN AIR FORCE BASE	GU6571989519	PRP Removal	001	6/30/93	11/18/93
09	GU	APRA HARBOR NAVAL COMPLEX	GU7170090008	PRP Removal	001	7/21/88	
09	GU	NAVAL STA GUAM	GU7170027323	PRP Removal	001	11/15/84	
09	HI	HANAKAILLO BEACH	HI082525388	Fund Removal	001	10/24/88	1/13/89
09	HI	HAULULA BEACH PARK	HI082028771	Fund Removal	001	3/23/87	6/9/87
09	HI	HAWAIIAN WESTERN STEEL LIMITED	HI0811811788	FF Removal	001	4/8/92	3/11/83
09	HI	HONOLULU INTL AIRPORT	HI081196289	FF Removal	001	8/27/87	12/31/87
09	HI	ISLAND OF OAHU	HI0811622673	Fund Removal	001	9/13/84	9/21/84
09	HI	KAILUA BAY	HI082525453	Fund Removal	001	12/27/88	1/10/89
09	HI	KEEHI LAGOON	HI081622665	Fund Removal	001	7/17/85	9/15/85
09	HI	KEEHI LAGOON CANOE FACILITY	HI0000186516	Fund Removal	001	5/31/84	7/1/84
09	HI	MAUI PESTICIDE HAIKU RD SITE	HI082469645	FF Removal	001	1/12/88	1/31/88
09	HI	MAUI PESTICIDE PAUWELA RD SITE	HI082469637	FF Removal	001	1/12/88	1/31/88
09	HI	PEARL HARBOR NAVAL COMPLEX	HI4170080076	PRP Removal	001	7/17/95	8/23/96
09	HI	PEARL HARBOR NAVAL COMPLEX	HI4170090076	PRP Removal	002	3/13/95	
09	HI	PIER 35/HONOLULU	HI4170090076	PRP Removal	003	2/23/95	
09	MI	RMI	MI0000207373	Fund Removal	001	10/31/85	11/10/85
09	MI	MIDWAY IS NAVAL AIR STA	MI081622731	Fund Removal	001	8/3/94	
09	MI	MIDWAY IS NAVAL AIR STA	MI081622731	Fund Removal	002	7/26/86	6/30/87
09	MI	MIDWAY IS NAVAL AIR STA	MI08170027332	PRP Removal	001	7/26/86	6/30/87
09	MI	MIDWAY IS NAVAL AIR STA	MI08170027332	PRP Removal	002	7/26/86	6/30/87
09	MI	MIDWAY IS NAVAL AIR STA	MI08170027332	PRP Removal	003	8/9/86	4/30/97

08	TT	W TRUST TERR (2-UNIV GUAM)	TTD981621683	Fund Removal	001	2/22/84	2/29/84
08	TT	W TRUST TERR (20-MARSHALL IS)	TTD981622582	Fund Removal	001	2/22/84	3/23/84
08	TT	W TRUST TERR (21-EBEYE PUB)	TTD981622640	Fund Removal	001	3/31/84	4/4/84
09	TT	W TRUST TERR (25-PONAPE EL)	TTD981622947	Fund Removal	001	4/6/84	4/14/84
09	TT	W TRUST TERR (26-PONAPE)	TTD981622111	Fund Removal	001	4/6/84	4/14/84
09	TT	W TRUST TERR (27-PONAPE FRST)	TTD981623002	Fund Removal	001	4/6/84	4/14/84
09	TT	W TRUST TERR (28-PONAPE)	TTD981623069	Fund Removal	001	4/6/84	4/14/84
09	TT	W TRUST TERR (29-KOSARE)	TTD981621691	Fund Removal	001	4/6/84	4/13/84
09	TT	W TRUST TERR (3-GUAM MEM HOSP)	TTD981621741	Fund Removal	001	2/22/84	3/1/84
09	TT	W TRUST TERR (30-TRUK)	TTD981621758	Fund Removal	001	2/22/84	4/15/84
09	TT	W TRUST TERR (32-YAP)	TTD981621816	Fund Removal	001	4/6/84	4/11/84
09	TT	W TRUST TERR (33-YAP)	TTD981621873	Fund Removal	001	4/6/84	4/11/84
09	TT	W TRUST TERR (4-GUAM EDUC)	TTD981622707	Fund Removal	001	2/22/84	2/29/84
09	TT	W TRUST TERR (4-GUAM PUB HOSP)	TTD981621808	Fund Removal	001	2/22/84	3/7/84
09	TT	W TRUST TERR (5-GUAM AGRI)	TTD981621865	Fund Removal	001	2/22/84	3/6/84
09	TT	W TRUST TERR (7-GUAM ECON)	TTD981621923	Fund Removal	001	2/22/84	3/2/84
09	TT	W TRUST TERR (8-GUAM PHYS)	TTD981621980	Fund Removal	001	2/22/84	3/1/84
09	TT	W TRUST TERR (9-GUAM PHL)	TTD981622046	Fund Removal	001	2/22/84	3/7/84
09	TT	W TRUST TERR (B DELA CRUZ)	TTD981622053	Fund Removal	001	2/22/84	3/27/84
09	TT	W TRUST TERR (C-MAJURO HOSP)	TTD981621931	Fund Removal	001	2/22/84	3/22/84
09	TT	W TRUST TERR (D-MED CLINIC)	TTD981622764	Fund Removal	001	2/22/84	3/24/84
09	TT	W TRUST TERR (E-PROT YAP)	TTD981621998	Fund Removal	001	4/6/84	4/11/84
09	TT	W TRUST TERR (G-USCG LORAN)	TTD981622822	Fund Removal	001	4/6/84	4/11/84
10	AK	ALASKA BATTERY ENTERPRISES	AKD004904215	Fund Removal	001	8/22/88	8/22/89
10	AK	ALASKA HUSKY BATTERY INC.	AKD005246497	Fund Removal	001	6/30/88	9/9/88
10	AK	ARCTIC SURPLUS	AKD980988159	FF Removal	002	11/4/82	2/15/95
10	AK	ARCTIC SURPLUS	AKD980988158	Fund Removal	001	9/18/89	6/21/90
10	AK	BENDLES ROAD OILING FACILITY	AKD980975632	Fund Removal	001	9/12/84	7/25/84
10	AK	ENGINE & GEAR	AKD000333902	FF Removal	001	9/12/96	8/16/96
10	AK	MCCALL PROPERTY	AKD981767080	Fund Removal	001	7/8/96	9/14/98
10	AK	OHLSON MTN	AKD000979215	Fund Removal	001	7/22/85	8/23/85
10	AK	RIVER TERRACE PCE SITE	AKD0001992635	FF Removal	001	9/29/97	9/20/98
10	AK	SPRUCE ST PCB SITE	AKD98070087	Fund Removal	001	9/23/91	6/29/96
10	AK	STANDARD STEEL & METALS SALVAGE YARD (USDOT)	AK6214522157	FF Removal	001	6/2/86	10/29/94
10	AK	USARMY FORT RICHARDSON	IDD984666784	FF Removal	001	9/30/93	9/13/90
10	ID	AGRICULTURE SUPPLY INC.	IDD000000961	Fund Removal	001	6/11/90	9/22/83
10	ID	ARRCOM (DREXLER ENTERPRISES)	IDD000000961	Fund Removal	001	9/19/83	9/22/83
10	ID	ARRCOM (DREXLER ENTERPRISES)	IDD000000961	Fund Removal	002	5/1/87	3/1/88
10	ID	ARRCOM (DREXLER ENTERPRISES)	IDD000000961	Fund Removal	003	4/10/90	5/30/90
10	ID	BLACKBIRD MINE	IDD980725832	FF Removal	001	8/1/83	12/18/95
10	ID	BLACKBIRD MINE	IDD980725832	FF Removal	002	7/30/95	
10	ID	BLACKBIRD MINE	IDD980725832	FF Removal	003	10/23/88	
10	ID	BUNKER HILL MINING & METALLURGICAL	IDD048340921	FF Removal	001	10/24/89	12/1/94

10	ID	BUNKER HILL MINING & METALLURGICAL	IDD048340921	FF Removal	002	10/1/90	3/11/96
10	ID	BUNKER HILL MINING & METALLURGICAL	IDD048340921	FF Removal	003	7/15/93	1/15/93
10	ID	BUNKER HILL MINING & METALLURGICAL	IDD048340921	FF Removal	004	9/27/91	9/27/94
10	ID	BUNKER HILL MINING & METALLURGICAL	IDD048340921	Fund Removal	001	5/27/86	6/25/86
10	ID	BUNKER HILL MINING & METALLURGICAL	IDD048340921	Fund Removal	002	5/5/89	10/12/90
10	ID	BUNKER HILL MINING & METALLURGICAL	IDD048340921	Fund Removal	004	11/4/97	
10	ID	CINNABAR MINE	IDD880665160	Fund Removal	001	9/9/96	8/29/98
10	ID	COMEBACK MINE	IDD880662963	Fund Removal	001	4/11/86	4/16/86
10	ID	COMEBACK MINE	IDD880662963	Fund Removal	002	7/30/86	8/29/86
10	ID	DOUGLAS MINE	ID0000010108	Fund Removal	001	9/30/96	3/31/97
10	ID	EASTERN IDAHO FLOOD SITE	ID0002013514	Fund Removal	001	9/29/97	10/24/97
10	ID	EASTERN MICHAUD FLATS CONTAMINATION	ID0984666610	FF Removal	001	10/19/93	6/8/96
10	ID	ELK RIVER MITCHELL SITE	ID0981774433	Fund Removal	001	9/19/88	9/24/88
10	ID	EMMETT PCB	IDD8806693316	Fund Removal	001	4/29/86	6/13/86
10	ID	FOREST PROD. INC. PRESSURE TREATING & FARM	ID0009069848	Fund Removal	001	10/20/97	10/24/97
10	ID	FORMER DRY CLEANER (ESQUIRE & USTICK)	ID0984673210	Fund Removal	001	9/15/92	11/23/92
10	ID	FORT HALL SITE	ID000127153	Fund Removal	001	2/24/94	5/3/94
10	ID	GENTRY SUBDIVISION PCB SITE	ID001981232	Fund Removal	001	7/9/97	7/13/97
10	ID	GREENSPEED PEST & LAWN MGMT	ID0981765415	Fund Removal	001	8/5/87	3/18/88
10	ID	H & H TECHNOLOGIES, INC.	IDD884673327	Fund Removal	001	6/15/92	2/2/93
10	ID	LAM PINE	ID0001444181	Fund Removal	001	8/17/96	8/26/96
10	ID	LYNN INDUSTRIAL COATINGS INC	ID0037780786	Fund Removal	001	9/15/92	11/23/92
10	ID	NORTH IDAHO FLOOD DRUM REMOVAL	ID001407768	Fund Removal	001	2/11/96	4/18/96
10	ID	NORTHWEST PIPELINE CORP - BURLEY	ID0984663115	FF Removal	001	5/31/88	9/8/88
10	ID	NORTHWEST PIPELINE CORP - MOUNTAIN HOME	ID0984666065	FF Removal	001	5/6/88	9/6/88
10	ID	NORTHWEST PIPELINE CORPORATION-CALDWELL	IDD884666032	FF Removal	001	4/29/88	7/6/88
10	ID	NORTHWEST PIPELINE-POCATELLO	ID0984666073	FF Removal	001	6/6/88	9/16/88
10	ID	NORTHWEST PIPELINE-SODA SPRINGS	ID0984666081	FF Removal	001	6/6/88	9/28/88
10	ID	PACIFIC HIDE & FUR RECYCLING CO	ID098812878	Fund Removal	001	3/8/83	4/15/83
10	ID	POCATELLO LANDFILL	ID0980467564	Fund Removal	001	5/13/82	5/20/82
10	ID	ST. MARIES CREOSOTE SITE	IDSFN1002095	Fund Removal	001	1/14/99	
10	ID	STIBNITE/YELLOW PINE MINING AREA	IDD880665459	FF Removal	001	9/18/95	11/2/98
10	ID	STIBNITE/YELLOW PINE MINING AREA	IDD880665459	Fund Removal	001	10/5/96	11/16/98
10	ID	SUCCESS MINE	ID0984674986	Fund Removal	001	10/4/93	12/14/93
10	ID	TALACHE MINE	ID0002007250	FF Removal	001	6/23/98	
10	ID	TALACHE MINE	ID0002007250	FF Removal	002	2/4/99	
10	ID	USDOE IDAHO NATIONAL ENGINEERING LAB	ID4690009852	PRP Removal	001	7/18/94	7/22/94
10	ID	USDOE IDAHO NATIONAL ENGINEERING LAB	ID4690009852	PRP Removal	002	8/1/94	11/3/94
10	ID	USDOI BLM HWS GOLD & SILVER MINE ELK CY	IDD980835904	FF Removal	001	3/28/84	9/30/85
10	ID	V-1 OIL		Fund Removal	001	9/30/96	
10	ID	YOUNGSTROM LOG HOMES	ID9884689192	Fund Removal	001	10/7/96	11/18/96
10	OR	ALLIED PLATING, INC	OR0009051442	Fund Removal	001	10/20/92	11/9/92
10	OR	ASTORIA PLYWOOD CORP	OR0009033846	Fund Removal	001	7/25/94	8/12/94

10	OR	BASIN AVE BOAT DOCK DRUM	ORD987198769	Fund Removal	001	3/16/92	3/16/92
10	OR	BERGSOE METAL CORP	ORD981281460	FF Removal	001	2/26/88	5/8/88
10	OR	COLUMBIA RIVER DRUMS	ORD987196744	Fund Removal	001	11/12/91	11/12/91
10	OR	CONTINENTAL PLATING	ORD001410281	Fund Removal	001	6/9/96	5/14/96
10	OR	CRIMMIS ISLAND REMOVAL	ORD987185329	Fund Removal	001	4/20/89	7/6/89
10	OR	DANT & RUSSELL BN NORTH PLAINS SITE	ORD98059629	FF Removal	001	10/15/85	3/8/86
10	OR	DEFOE BAY	ORD987189760	Fund Removal	001	4/25/88	7/1/88
10	OR	ENVIRONMENTAL PACIFIC CORP	ORD980977334	Fund Removal	001	3/22/93	9/30/93
10	OR	ERICKSON HARWOOD	ORD987166568	Fund Removal	001	9/27/90	6/8/91
10	OR	GARIBALDI DRUMS	ORD987192089	Fund Removal	001	1/28/91	1/28/91
10	OR	HAYDEN ISLAND DRUM	ORD987192077	Fund Removal	001	11/7/90	11/8/90
10	OR	HAYES PROPERTY	ORD980984629	FF Removal	001	6/1/87	6/1/87
10	OR	JOSEPH FOREST PRODUCTS	ORD068782820	Fund Removal	001	9/25/91	11/9/91
10	OR	JOSEPH FOREST PRODUCTS	ORD068782820	Fund Removal	002	3/30/93	5/8/93
10	OR	LINCOLN CITY DRUM	ORD987192085	Fund Removal	001	11/7/90	11/8/90
10	OR	MARTIN ELECTRIC	ORD98171215	Fund Removal	001	3/27/89	4/30/86
10	OR	MCCORMICK & BAXTER CREOSOTING CO. (PORTLAND)	ORD009020603	Fund Removal	001	3/31/95	6/1/96
10	OR	MOLALLA DRUM SITE	ORD987190485	Fund Removal	001	7/12/91	2/17/93
10	OR	NORTHWEST DUST CONTROL	ORD980836167	Fund Removal	001	1/23/84	5/16/84
10	OR	NORTHWEST PIPE & CASING/HALL PROCESS CO.	ORD980988307	Fund Removal	001	11/14/83	11/18/93
10	OR	NORTHWEST PIPELINE-BAKER	ORD981773914	FF Removal	001	3/29/88	8/6/88
10	OR	OREGON COAST DRUM	ORD987192093	Fund Removal	001	7/1/91	7/3/91
10	OR	PACIFIC OCEAN GEARHART DRUM SITE	ORD987192101	Fund Removal	001	11/9/90	11/9/90
10	OR	PARIS WOOLEN MILL	ORD987187275	FF Removal	001	2/6/92	12/21/92
10	OR	PORTABLE EQUIP SALVAGE CO	ORD027615186	FF Removal	001	5/7/87	10/20/90
10	OR	PUGET SOUND PLYWOOD	ORD009049776	FF Removal	001	8/3/84	9/26/84
10	OR	REYNOLDS METALS COMPANY	ORD009412677	FF Removal	001	9/29/95	
10	OR	RIDGEWAY LOGGING	OR0001049337	Fund Removal	001	10/7/96	10/18/96
10	OR	ROGUE VALLEY CIRCUITS	ORD987174946	FF Removal	001	8/14/90	1/15/91
10	OR	SAUVIE ISLAND DRUM SITE	ORD987192200	Fund Removal	001	5/7/90	5/7/90
10	OR	SEAL ROCK STATE PARK DRUM	ORD987199751	Fund Removal	001	4/8/92	4/8/92
10	OR	SWANNI ISLAND DRUM #1	ORD987192119	Fund Removal	001	11/5/90	11/6/90
10	OR	SWANNI ISLAND DRUM #2	ORD987192127	Fund Removal	001	7/12/91	7/12/91
10	OR	TIERRE DEL MAR BEACH DRUM	ORD987192135	Fund Removal	001	12/7/90	12/9/90
10	OR	UMPOUA RIVER DRUM	ORD987192143	Fund Removal	001	10/10/90	10/12/90
10	OR	UNION AVENUE PCB SITE	ORD987187411	Fund Removal	001	8/6/86	8/22/86
10	OR	UNION PACIFIC RAILROAD TIE TREATMENT	ORD009049412	Fund Removal	001	10/13/92	10/23/92
10	OR	UNITED CHROME PRODUCTS, INC	ORD009043001	Fund Removal	001	7/2/85	11/6/85
10	OR	USDA FS FREMONT NF-WHITE KING/LUCKY LASS URANIUM MINE	CR712307658	PRP Removal	001	9/25/85	3/20/96
10	OR	W.C.REMOR CO RECYCLING CTR	ORD987189032	Fund Removal	001	6/10/91	5/27/94
10	OR	WESTFR MILLSITE	ORD980378947	Fund Removal	001	2/9/88	6/24/88
10	OR	WILLAMETTE RIVER DRUM	ORD987192184	Fund Removal	001	10/23/90	10/24/90
10	OR	WILLAMETTE RIVER DRUM #1	ORD987186776	Fund Removal	001	3/11/87	6/9/87

10	OR	WILSON TIRE SITE	ORD014204887	FF Removal	001	3/6/85	7/31/85
10	WA	A. L. SLEISTER & SONS CONSTRUCTION	WAD988521274	Fund Removal	001	7/14/98	7/23/98
10	WA	ADVANCE ELECTROPLATING INC	WAD009278847	Fund Removal	001	6/26/95	4/5/96
10	WA	ALEXANDER FARMS	WASFN1002079	Fund Removal	001	11/2/88	
10	WA	AMERICAN CROSSARM & CONDUIT CO	WAD057311094	Fund Removal	001	11/26/86	1/10/89
10	WA	AMERICAN CROSSARM & CONDUIT CO	WAD057311094	Fund Removal	002	4/13/92	1/22/93
10	WA	AMERICAN SURPLUS SALES CO	WAD027529213	Fund Removal	001	3/25/92	4/3/92
10	WA	AUBURN INK SITE	WAD988467203	Fund Removal	001	6/26/91	7/29/91
10	WA	BELL RESIDENCE	WA0001900828	Fund Removal	001	4/7/97	4/7/97
10	WA	BENSON BEACH DRUM	WAD989495933	Fund Removal	001	10/29/90	10/30/90
10	WA	BOOMSUB/AIRCO	WAD009624453	Fund Removal	001	6/20/94	1/13/96
10	WA	CENTRALIA MUNICIPAL LANDFILL	WAD980836662	Fund Removal	001	7/29/91	12/1/91
10	WA	CLIFF'S BATTERY SERVICE	WAD027526797	Fund Removal	001	3/21/90	5/12/90
10	WA	COMMENCEMENT BAY, NEAR SHORE/TIDE FLATS	WAD980726368	FF Removal	001	9/10/86	2/10/88
10	WA	COMMENCEMENT BAY, NEAR SHORE/TIDE FLATS	WAD980726368	FF Removal	002	9/29/88	3/7/94
10	WA	COMMENCEMENT BAY, NEAR SHORE/TIDE FLATS	WAD980726368	FF Removal	003	2/15/91	2/13/92
10	WA	COMMENCEMENT BAY, NEAR SHORE/TIDE FLATS	WAD980726368	FF Removal	004	3/10/93	1/20/95
10	WA	COMMENCEMENT BAY, NEAR SHORE/TIDE FLATS	WAD980726368	FF Removal	005	1/5/98	
10	WA	COMMENCEMENT BAY, NEAR SHORE/TIDE FLATS	WAD980726368	FF Removal	006	10/13/98	
10	WA	COMMENCEMENT BAY, SOUTH TACOMA CHANNEL	WAD980726301	FF Removal	001	8/28/89	2/12/90
10	WA	COMMENCEMENT BAY, SOUTH TACOMA CHANNEL	WAD980726301	FF Removal	002	5/23/91	9/29/94
10	WA	CUMBERLAND CAPACITOR SITE	WAD988487211	Fund Removal	001	7/7/91	2/6/92
10	WA	DEACONESS HOSPITAL	WAD988515812	Fund Removal	001	2/8/93	6/1/93
10	WA	DREXLER RAMCOR	WAD981767785	Fund Removal	001	9/27/90	8/21/92
10	WA	EAST HARTSON DRUM SITE	WAD981767353	Fund Removal	001	6/21/85	6/21/85
10	WA	FMC CORP. (YAKIMA PIT)	WAD000643577	FF Removal	001	5/31/88	3/16/89
10	WA	FRONTIER HARD CHROME, INC.	WAD033614888	Fund Removal	001	10/19/94	10/20/94
10	WA	GENERAL ELECTRIC CO. (SPOKANE SHOP)	WAD001865450	FF Removal	001	3/15/90	8/12/90
10	WA	GOLDENDALE AUTO WRECKING	WAD002372670	Fund Removal	001	6/11/88	6/12/88
10	WA	HARBOR ISLAND (LEAD)	WAD980728339	FF Removal	001	1/5/89	1/7/91
10	WA	HARBOR ISLAND (LEAD)	WAD980728339	FF Removal	002	12/4/91	9/29/92
10	WA	HARTUNG PROPERTIES	WAD001402866	Fund Removal	001	12/4/95	12/12/95
10	WA	HATTIES HAT REMOVAL	WA0001120369	Fund Removal	001	6/30/95	7/3/95
10	WA	HIDDEN VALLEY LANDFILL (THUN FIELD)	WAD980511539	FF Removal	001	6/30/89	9/30/89
10	WA	HIDDEN VALLEY LANDFILL (THUN FIELD)	WAD980511539	FF Removal	002	6/30/92	9/30/92
10	WA	HIDDEN VALLEY LANDFILL (THUN FIELD)	WAD980511539	FF Removal	003	5/30/93	10/30/93
10	WA	ILWACO/CAPE DISAPPOINTMENT DRUMS	WA2690300098	Fund Removal	001	7/8/89	9/26/89
10	WA	INLAND EMPIRE PLATING	WAD009693827	FF Removal	001	10/23/96	10/23/96
10	WA	ISSPRO INC FORMER TENANT	WAD988482642	FF Removal	001	3/5/91	5/4/91
10	WA	J & B EXTERMINATORS	WAD004335064	Fund Removal	001	6/16/87	6/27/87
10	WA	KAISER ALUMINUM MEAD WORKS	WAD000655508	FF Removal	001	4/1/79	4/30/79
10	WA	KLUCKITAT DRUM SITE	WAD988490777	Fund Removal	001	7/18/91	7/29/91
10	WA	LAKE WASHINGTON DRUM	WAD988466576	Fund Removal	001	8/26/87	10/7/87

10	WA	LAKE WASHINGTON SHIP CHANNEL	WAD988466984	Fund Removal	001	6/19/87	6/19/87
10	WA	LEHMAN/MILLIARD DUMP SITE	WAD001410984	Fund Removal	001	5/16/86	5/20/86
10	WA	LITTLE LEAGUE PARK	WAD980923365	Fund Removal	001	4/6/86	4/10/86
10	WA	LONG BEACH DRUM SITE #2	WAD980308886	Fund Removal	001	6/28/91	8/9/91
10	WA	LYNDEN AIRPORT	WAD980805318	FF Removal	001	11/1/83	1/10/84
10	WA	MALARKEY ASPHALT CO	WAD009241217	FF Removal	001	6/27/86	7/13/88
10	WA	MAPLE VALLEY CAPACTIORS	WAD988466868	Fund Removal	001	6/17/91	6/28/91
10	WA	MARROWSTONE ISLAND ONE TIME SITE	WAD988466868	Fund Removal	001	12/23/84	2/1/85
10	WA	MESKILL SITE	WAD980511861	Fund Removal	001	1/13/92	10/19/92
10	WA	MICA LANDFILL	WAD980639810	Fund Removal	001	6/30/94	10/30/94
10	WA	MIDWAY LANDFILL	WAD980639810	Fund Removal	001	5/31/90	11/1/91
10	WA	MOUNTLAKE TERRACE DRUM	WAD980639810	Fund Removal	002	1/31/91	12/31/91
10	WA	NORDLINDER SITE	WAD001599935	Fund Removal	001	10/30/86	12/23/86
10	WA	NORTHWEST PIPELINE CORP-SUMAS	WAD980978207	Fund Removal	001	5/20/83	6/17/83
10	WA	NORTHWEST PIPELINE-PLYMOUTH	WAD980978207	FF Removal	001	4/22/87	7/5/88
10	WA	NORTHWEST TRANSFORMER	WAD980978207	FF Removal	001	3/24/88	7/15/88
10	WA	NORTHWEST TRANSFORMER (SOUTH HARKNESS ST)	WAD980639374	Fund Removal	001	4/4/86	5/17/85
10	WA	OESEER CO	WAD007315821	FF Removal	001	11/11/93	6/30/94
10	WA	OLD GLENWOOD SCHOOL	WAD006895743	Fund Removal	001	9/25/97	9/8/98
10	WA	PACIFIC SOUND RESOURCES	WAD002364220	FF Removal	001	10/5/98	2/15/99
10	WA	PACIFIC SOUND RESOURCES	WAD009248287	FF Removal	001	1/9/90	8/31/90
10	WA	PACIFIC SOUND RESOURCES	WAD009248287	FF Removal	002	9/30/94	2/1/96
10	WA	PALENMO WELL FIELD GW CONTAMINATION	WAD009248287	FF Removal	003	3/20/95	10/26/98
10	WA	PALLISTER PAINT	WAD000026534	Fund Removal	002	11/1/87	
10	WA	PCB DRUM KALAMA	WAD980978769	Fund Removal	001	8/19/85	2/19/88
10	WA	PUYALLUP DRUM SITE	WAD981769045	Fund Removal	001	3/1/84	3/9/84
10	WA	QUEEN CITY FARMS	WAD988520813	Fund Removal	001	5/7/93	6/14/93
10	WA	QUEEN CITY FARMS	WAD980511745	FF Removal	001	8/16/88	10/5/88
10	WA	SHELTON LANDFILL	WAD980511745	FF Removal	002	4/15/90	3/28/94
10	WA	SPOKANE DRUM SITE AKA HSCI	WAD980363376	FF Removal	001	9/26/86	10/30/87
10	WA	SPOKANE JUNKYARD/ASSOCIATED PROPERTIES	WAD001039829	FF Removal	001	6/12/85	12/21/85
10	WA	SPOKANE JUNKYARD/ASSOCIATED PROPERTIES	WAD981767296	FF Removal	001	9/9/96	7/14/97
10	WA	STRANDLEY/MANNING SITE	WAD981767296	Fund Removal	001	7/20/87	8/26/89
10	WA	STRANDLEY/MANNING SITE	WAD980976328	FF Removal	001	9/4/85	9/1/86
10	WA	STRANDLEY/MANNING SITE	WAD980976328	FF Removal	002	9/29/93	11/24/93
10	WA	TOPPENISH ONION FIELD	WAD980976328	FF Removal	003	3/6/96	12/31/97
10	WA	TOPPENISH ONION FIELD	WAD988463365	Fund Removal	001	6/30/91	10/20/91
10	WA	TUKWILA MERCURY SPILL	WAD988463365	Fund Removal	002	12/1/95	1/28/96
10	WA	TULALIP LANDFILL	WAD002190171	Fund Removal	001	11/17/86	1/17/86
10	WA	U OF W BAGLEY HALL (CHEMISTRY BLDG)	WAD980639256	FF Removal	001	10/6/87	
10	WA	USDOE HANFORD 100-AREA	WAD988473294	FF Removal	001	8/30/92	12/13/94
10	WA	USDOE HANFORD 100-AREA	WAD980500076	PRP Removal	001	6/1/92	11/12/93
10	WA	USDOE HANFORD 100-AREA	WAD980500076	PRP Removal	002	6/21/93	1/30/95

10	WA	USDOE HANFORD 100-AREA	WA3890090076	PRP Removal	003	6/23/93	2/2/96
10	WA	USDOE HANFORD 100-AREA	WA3890090076	PRP Removal	004	7/6/93	10/31/93
10	WA	USDOE HANFORD 100-AREA	WA3890090076	PRP Removal	005	7/19/93	2/2/96
10	WA	USDOE HANFORD 100-AREA	WA3890090076	PRP Removal	006	8/19/93	
10	WA	USDOE HANFORD 100-AREA	WA3890090076	PRP Removal	007	6/15/95	11/30/95
10	WA	USDOE HANFORD 100-AREA	WA3890090076	PRP Removal	009	8/11/97	9/30/97
10	WA	USDOE HANFORD 200-AREA	WA16900090076	PRP Removal	001	2/1/92	
10	WA	USDOE HANFORD 300-AREA	WA2890090077	PRP Removal	001	2/15/91	11/30/92
10	WA	USDOE HANFORD 300-AREA	WA2890090077	PRP Removal	002	3/17/91	7/31/92
10	WA	USNAVY BANGOR NAVAL SUBMARINE BASE	WA5170027291	PRP Removal	001	12/20/94	
10	WA	USNAVY BANGOR NAVAL SUBMARINE BASE	WA5170027291	PRP Removal	002	2/13/96	
10	WA	USNAVY KEYPORT NAVAL UNDERSEA WARFARE ENG STATION (	WA1170023419	PRP Removal	001	5/26/92	6/15/92
10	WA	WEST VALLEY HWY SITE	WAD988488128	Fund Removal	001	6/7/91	6/9/91
10	WA	WESTERN PROCESSING CO., INC	WAD009481513	Fund Removal	001	4/18/83	7/1/83
10	WA	WILLIAMS & SON TRANSFORMER SALVAGE	WAD9800836084	Fund Removal	001	2/22/84	3/3/84
10	WA	WOODS INDUSTRIES	WAD027583525	FF Removal	001	12/6/85	7/6/87
10	WA	WOODS INDUSTRIES	WAD027583525	FF Removal	002	1/11/93	2/28/93
10	WA	WOODS INDUSTRIES	WAD027583525	FF Removal	003	3/30/93	
10	WA	WOODS WAREHOUSE	WAD981769482	Fund Removal	001	12/6/89	4/26/90
10	WA	WYCKOFF CO./EAGLE HARBOR	WAD009248295	Fund Removal	002	6/4/92	4/29/94
10	WA	WYCKOFF CO./EAGLE HARBOR	WAD009248295	Fund Removal	003	9/16/93	3/10/94
10	WA	WYCKOFF CO./EAGLE HARBOR	WAD009248295	Fund Removal	004	5/5/94	12/15/94
10	WA	WYCKOFF CO./EAGLE HARBOR	WAD009248295	Fund Removal	005	7/9/95	11/10/97
10	WA	YAKIMA PLATING CO	WAD040187890	Fund Removal	001	6/12/92	9/30/92

TOTAL = 5827 REMOVALS

Attachment III

**Region 5**
NPL Fact Sheet**ALLIED CHEMICAL
& IRONTON COKE**OHIO
EPA ID# OHD043730217EPA REGION 5
Lawrence County Ironton6th Congressional District

Last Update: May, 1999

Site Description

The Allied Chemical & Ironton Coke site is located in Ironton, Ohio, and is bordered by the Ohio River. The 425-acre site includes the Goldcamp Disposal Area (GDA), a former Coke Plant which operated from 1920 to 1982, five lagoons which received process wastewater and hazardous solid waste from the Coke Plant and a operating Tar Plant. The site is divided into two parts, the GDA and the coke plant/lagoon area (CPLA). In April, 1984, an Administrative Order on Consent (AOC) was signed between Allied Signal, U. S. Environmental Protection Agency (USEPA), and the Ohio Environmental Protection Agency (OEPA) to investigate and determine the site remedy for GDA and CPLA. Approximately 15,000 people live in Ironton and receive municipal water from the Ohio River. The city of Coal Grove (population 3,000), which is 2,000 feet south of the CPLA, uses groundwater as a source of drinking water.

Site Responsibility: This site is being addressed through Federal and potentially responsible parties' actions.

NPL Listing History: Proposed Date: 12/30/82
Final Date: 09/08/83

Threats and Contaminants

The investigation showed that the four-acre and 45-feet in depth GDA contained Tar Plant residue waste, including semi-volatile organic compounds (semi-VOCs) such as coal tars, VOCs and metals. Groundwater is contaminated with semi-VOCs and VOCs. An industrial facility near GDA was provided with an alternative drinking water supply due to VOC contamination. The CPLA investigation was completed in September, 1990, and determined that the site, lagoon area, and groundwater is contaminated with semi-VOCs, VOCs, metals and cyanide. The Coal Grove wellfield has not been contaminated by the site.

Cleanup Progress

In September, 1988, a cleanup decision was finalized through a Record of Decision (ROD) for the GDA. The remedy included installation of a slurry wall 2,000 feet in length and to a depth of 90 feet, a cap over the GDA and groundwater pump and treatment both inside the slurry wall and outside the slurry wall. A Unilateral Administrative Order (UAO) was issued to Allied Signal by USEPA in March, 1989, for the design and construction of the GDA. Construction was

completed in September, 1995. Over 6,000,000 gallons of groundwater has been pumped from inside the slurry wall. This water is treated through a series of biological reactors. Over 112,000,000 gallons of groundwater has been treated from outside the slurry wall. The water is treated through a series of carbon adsorption vessels. Treated groundwater is in compliance with discharge requirements.

In December, 1990, a ROD was signed (amended in July, 1995) for the CPLA which included demolition of the coke plant, off-site disposal of low level contaminated soil, bioremediation within the lagoon area with subsequent wetland development, incineration of one lagoon and groundwater pump and treatment. A second UAO was issued in July, 1991, for design and construction. Demolition of the Coke Plant is completed and over 100,000 cubic yards of soil or coal has been excavated for disposal or recycling (coal). The groundwater pump and treatment system will begin pumping at 200 gpm in April, 1997. The bioremediation and incineration remedies are under review, with a decision by Summer, 1997, to revise those components.

A second ROD Amendment was signed in July, 1997 which changed the remedy from bioremediation by landfarming to off-site disposal of 40,000 cubic yards of material. This change was due to lower than expected contamination in the soil and should result in savings of approximately \$2.2 million. By early 1998, off-site disposal will be completed. A third ROD Amendment was signed in September 1998, and included two changes to the cleanup in the lagoon area. The first change will replace the incineration of 122,000 cubic yards of lagoon material with recycling, treatment, and/or disposal of soft tar in an approved off-site hazardous waste facility and use the remaining material in the lagoon as off-site alternative fuel. The second change involves the treatment of 457,000 cubic yards of material by in-situ bioremediation. The in-situ bioremediation will be changed to spot excavation and treatment consistent with the previous change and subsequent wetland development in the lagoon area. Approximately 6,800 cubic yards will require excavation to meet the cleanup standard. The ROD Amendment could result in savings of approximately \$50 million. Work began in October 1998, and construction is expected to be completed by September, 2000.

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**Region 5**

NPL Fact Sheet

**ALSCO
ANACONDA**OHIO
EPA ID# OHD057243610EPA REGION 5
Tuscarawas County
Gnadenhutten18th Congressional District

Last Update: May, 1999

Site Description

The 4.8-acre AlSCO Anaconda site, owned by the Atlantic Richfield Company (ARCO), is located in the Village of Gnadenhutten, approximately 50 miles south of Akron, Ohio. From 1965 to 1978, the site was used for the disposal of wastewater and wastewater treatment sludge that were generated by the production of aluminum products. The sludge was disposed of in two unlined lagoons and a sludge pit. From 1971 to 1978, the company disposed of the equivalent of approximately 18,000 drums of waste (about 4,800 tons of waste). The lagoons and sludge pit contained contaminants such as cyanide, chromium, and polychlorinated biphenyls (PCBs), arsenic, cadmium, lead, mercury, and zinc. A wooded low-lying area near the Tuscarawas River received overflow from the lagoons. The wastewater was discharged to the river. After 1978, sludge was disposed of in an off-site facility. Approximately 3,100 people live within three miles of the site. Drinking water supply for these residents are drawn from nearby groundwater aquifers. Contaminated groundwater from the site generally flows toward the Tuscarawas River and away from the drinking water supply wells.

Site Responsibility: This site is being addressed through Federal, State, and potentially responsible parties' actions.

NPL Listing History: Proposed Date: 10/15/84
Final Date: 06/10/86

Threats and Contaminants

The groundwater is contaminated with cyanide, chromium, and other metals. The on-site soil contains contaminants such as cyanide, chromium, and PCBs; however, most contaminated soil has been removed. Possible health threats include accidentally ingesting or coming into direct contact with contaminated groundwater or soil. Flooding of the Tuscarawas River may cause the contaminants to spread down the river.

Cleanup Progress

The site was divided into two cleanup projects, the source material and the groundwater. Record of Decisions (RODs) were issued for the projects on September 8, 1989, and September 28, 1992, respectively. To implement the source material cleanup, USEPA issued Unilateral Administrative Orders (UAOs) to the potentially responsible parties (PRPs) on December 28, 1989, after negotiations failed. A UAO to conduct groundwater cleanup issued June 23, 1993. Construction of the source material project, which included excavation of the sludge and affected underlying soil at the site and transporting it off-site for proper treatment, was completed by the PRP around September, 1995. Construction activities for the groundwater cleanup (installing groundwater monitoring wells) were completed right after that. Groundwater monitoring will be done quarterly for two years and semi-annually thereafter until cleanup standards (risk-based) are met. A preliminary close-out report (PCOR) was issued July 30, 1996. A Five-Year Review was conducted on this site on June 23, 1997. Continued monitoring of groundwater quality was recommended in the report. At this time, eight (8) quarterly groundwater monitoring surveys have been completed as of October, 1997. After this, groundwater monitoring will be on a semi-annual basis, in accordance with the provisions of the UAO.

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**Region 5**

NPL Fact Sheet

**ARCANUM IRON
& METAL****OHIO**

EPA ID# OHD017506171

Last Update: May, 1999

EPA REGION 5Darke County
Arcanum**8th Congressional District**

Site Description

The 4½ acre Arcanum Iron and Metal (AIM) Superfund site, located just outside the limits of the Village of Arcanum, Twin Township, Darke County, Ohio, operated as a lead battery reprocessing facility from the early 1960's until 1982. During this operation, battery casings were split to extract lead cores for smelting. Battery acids generated from this operation were allowed to drain to a low area on-site. Reprocessing of the plastic and black rubber battery casings generated lead oxide sludge that collected on the ground and surface of the site. Past practices at the facility included burial of some materials in on-site pits. The state of Ohio investigated a fish kill in Sycamore Ditch and Painter Creek near the site in 1964. In 1979, the state entered into a Consent Decree (CD) with the site owner to clean up the site, but the results were unsatisfactory. The owner ceased operation in 1982, having never fully complied with the provisions of the State CD. The AIM site was proposed for listing on the National Priorities List (NPL) of hazardous waste sites on December 30, 1982, and was made final on the NPL on September 8, 1983. There are about 4,000 people who live in the area of the site. The Village of Arcanum's water supply is furnished by wells within one mile of the site, and private wells are also nearby.

Site Responsibility: This site is being addressed through Federal and potentially responsible parties' (PRPs) actions.

NPL Listing History: Proposed Date: 12/30/82
Final Date: 09/08/83

Threats and Contaminants

Current sampling and analysis of groundwater and residential wells indicates that there is no groundwater contamination at this time, due to site contamination. An estimated 4,000 cubic yards of lead-contaminated battery casing chips, and approximately 28,000 cubic yards of contaminated soils remain on-site.

Cleanup Progress

To reduce public access to the contaminated site areas, a fence was constructed around the entire facility by the potentially responsible parties (PRPs) in 1984. The Remedial Investigation (RI) Report was completed on August 9, 1985. The Feasibility Study (FS) Report was completed on July 15, 1986. The Record of Decision (ROD) was signed on September 26, 1986, selecting excavation and off-site disposal of on-site contaminated soils and battery casings; excavation and off-site disposal of off-site contaminated soils; demolition and/or cleaning of buildings; deed restrictions; and groundwater monitoring. The conceptual design was completed in April, 1988. The AIM Site Investigation Report was completed in August, 1989. The Pilot Plant Report and the Economic Analysis Reports were completed in June, 1992. A ROD Amendment was signed on June 18, 1997, that revised the cleanup levels for lead-contaminated soils at the AIM site. As a result, the projected costs for remediating the site have been revised downward from approximately \$20-million to \$6-million. The U.S. EPA began Remedial Design (RD)/Remedial Action (RA) negotiations on August 1, 1996, and concluded on July 15, 1998. In the fall 1998, a Consent Decree (CD) for RD/RA was lodged and entered with the U.S. District Court for the Southern District of Ohio, Western Division, Dayton, Ohio, for RD/RA at the AIM Site. The RD is expected to be underway by early summer. The RA is expected to begin in the summer 1999 and be completed by the end of the calendar year 1999.

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**Region 5**

NPL Fact Sheet

**BIG D
CAMPGROUND**OHIO
EPA ID# OHD980611735

Last Update: May, 1999

EPA REGION 5
Ashtabula County
1½ miles northeast of Kingsville
Township
19th Congressional District

Site Description

The Big D Campground site is a 1.2 acre landfill located about 2.5 miles south of Lake Erie. A campground is located to the southeast, a creek to the south, residences 500 feet to the north and northwest, and a wetland ½ mile north. The residences closest to the site are connected to a municipal water supply. However, residences within ½ mile down gradient of the site do use groundwater as a drinking water supply. The site was originally operated as a sand and gravel quarry which was subsequently filled with hazardous and non-hazardous waste. Active disposal occurred between 1964 and 1976.

Site Responsibility: This site is being addressed through Federal, State, and potentially responsible parties' actions.

NPL Listing History: Proposed Date: 12/30/82
Final Date: 09/08/83

Threats and Contaminants

Site investigations conducted between 1982 and 1988, identified drums containing halogenated and non-halogenated solvents; caustic; and oily wastes; bulk toluene diisocyanate (TDI); TDI residue contaminated with monochlorobenzene and carbon tetrachloride; monoethylamine; and soils contaminated with many of the above. The initial estimate of volume of hazardous materials was 28,000 cubic yards. Groundwater was found to be contaminated with volatile organic compounds (VOCs) and heavy metals including barium, chromium, and lead.

Cleanup Progress

A Record of Decision (ROD) for the site was signed in 1989. In 1992, Olin Corporation initiated Remedial Action (RA) pursuant to a design approved by USEPA under a Unilateral Administrative Order (UAO) issued in 1990. All source area materials were excavated from the landfill and incinerated on-site between September, 1992, and March, 1994. Total volume of wastes exceeded the previous estimates by approximately 65,000 cubic yards. The incinerator ash was determined to be delistable and was placed back into the landfill, along with all non-combustible materials that had been excavated. Two feet of topsoil was placed over the ash and vegetated, and the incineration project was demobilized in October, 1994. A treatment system was constructed to treat contaminated storm water runoff collected from the excavation and from within a bermed area. In 1994, a groundwater extraction system was installed to collect contaminated groundwater that was migrating to the north and to the south. The groundwater is treated by the same on-site treatment system. Since February, 1995, Olin corporation has been conducting site operation and maintenance for the groundwater remedy. A preliminary closeout report was signed on May 9, 1995. The pump and treat system has successfully reduced the concentrations of heavy metals. In November, 1997, USEPA approved changes to the groundwater treatment system to help reduce operation and maintenance costs. Portions of the system that are no longer needed to treat heavy metals were eliminated. The anticipated savings is at least \$64,500 per year, for a present value of over \$1 million. In February 1999, Olin corporation submitted a proposal to the agency to allow for natural attenuation and to reduce the number of contaminants monitored. The proposal is currently being reviewed by the agency.

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Region 5

NPL Fact Sheet

BOWERS LANDFILL

OHIO
EPA ID# OHD980509616

Last Update: May, 1999

EPA REGION 5
Pickaway County
25 miles south of Columbus

Other Names:
Island Road Landfill

7th Congressional District

Site Description

The twelve-acre Bowers Landfill site operated as a pit for gravel excavation operations beginning in 1958, but its owners subsequently converted it to a landfill, which at first accepted only domestic refuse. From 1958 to 1968, it accepted residential, grain elevator, and industrial wastes. Two local manufacturers of chemicals responded to a Congressional inquiry about the site and noted that they dumped approximately 7,500 tons of chemical waste at the landfill. Disposal practices frequently consisted of depositing the waste directly onto the ground and covering it with soil. Waste also was burned on-site. Operations at the landfill ended in about 1968. In 1980, U. S. Environmental Protection Agency (USEPA) found that contaminants in the landfill were polluting nearby monitoring wells with volatile organic compounds (VOCs). Approximately sixty people live within ½ mile of the site.

Site Responsibility: This site is being addressed through Federal and potentially responsible parties' actions.

NPL Listing History: Proposed Date: 12/30/82
Final Date: 09/08/83
Deletion Date: 10/29/97

Threats and Contaminants

Groundwater on-site contained heavy metals including barium and manganese, VOCs, and phthalates. Sediments were contaminated with polychlorinated biphenyls (PCBs), petrochemicals, pesticides, VOCs, and lead. Contaminants in the soil included petrochemicals, lead, and PCBs. Off-site soils contained heavy metals including arsenic, as well as pesticides. Surface water was contaminated with VOCs, polycyclic aromatic hydrocarbons (PAHs), and heavy metals. Potential health risks existed for individuals who drank or came in direct contact with contaminated groundwater, inhale contaminated soil or sediment particles, or ate small animals, birds, fish, or plants that were contaminated with chemicals from the site. The area between the landfill and the Scioto River generally floods twice a year, which further contributed to the threat of contaminant releases.

Cleanup Progress

USEPA studied the nature and extent of contamination at the site from 1983 to 1989. The results

of this study, along with a study undertaken by the potentially responsible parties (PRPs) for the site contamination, were used to prepare an analysis of the alternatives for addressing the threat the landfill poses to people and the environment. In 1989, USEPA recommended the following actions at the site to address the contamination problem: removing and disposing of all surface debris in an approved landfill; improving erosion control and drainage; installing a natural clay cover over the landfill; installing a topsoil layer over the clay cover; protecting the cap from flood damage; installing a limited number of new groundwater monitoring wells; taking samples of the groundwater and analyzing them to determine any increases in the level of contaminants; and installing a fence to prevent site entry. USEPA began the Remedial Design (RD) in 1991, and the Remedial Action (RA) was completed in 1993. A new wetlands was developed as part of the cleanup activities. The PRPs settled with USEPA on past cost including oversite costs, the cost of the RD/RA and future oversite costs for Operation and Maintenance (O&M). The site will be monitored for many years by the PRPs under an O&M agreement, to ensure the continued effectiveness of the remedies. All construction at the Bowers Landfill site is complete. This site was deleted from the National Priorities List (NPL) on October 29, 1997.

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**Region 5**

NPL Fact Sheet

**BUCKEYE
RECLAMATION****OHIO**

EPA ID# OHD980509657

Last Update: May, 1999

EPA REGION 5Belmont County
St. Clairsville**Other Names:**Buckeye Landfill
Belmont County Landfill**18th Congressional District**

Site Description

The Buckeye Reclamation Landfill (BRL) site is located in St. Clairsville, Belmont County, Ohio, near the Ohio/Pennsylvania border. The BRL site is located on 658 acres of land of which approximately 50 acres was used for landfilling activities. The landfilling area is situated in a drainage ravine and is bordered by Kings Run stream on the east and another stream (unnamed) on the west. Prior to the 1950's, the BRL site and the land to the west of the site was used to dispose of coal mine refuse that was generated by the deep mining operations on the 658 acres. Between 1971 and 1979, the BRL site operated as a sanitary landfill and accepted municipal commercial waste for disposal. Industrial wastes, including sludges and liquids, were also accepted at the site between 1976 and 1979. It is estimated that the BRL site accepted a total of 4.7 million gallons of industrial liquid wastes and 3,300 tons of industrial solid wastes during the years it operated. Approximately 120 residents and forty residential wells are located within a one-mile radius of the BRL site. Potentially responsible parties (PRPs) that have been identified at the BRL site include former operators Cravat Coal (owner) and Belmont County; transporter Kittle Hauling; and generators Consolidation Coal, Ashland Chemical, Aristech Chemical, Beazer East, Inc., Triangle Wire and Cable, Inc., SKF Industries, and U.S. Steel Corporation.

Site Responsibility: This site is being addressed through Federal, State, and potentially responsible parties' actions.

NPL Listing History: Proposed Date: 12/30/82
Final Date: 09/08/83

Threats and Contaminants

Leachate, groundwater, and soil in the vicinity of the site contain elevated levels of heavy metals, low levels of polyaromatic hydrocarbons (PAHs), and low levels of volatile organic compounds (VOCs), such as benzene, trichloroethene, carbon tetrachloride, and toluene.

Cleanup Progress

A Record of Decision (ROD) signed in August 1991 selected a remedial action for the site that included construction of a solid waste landfill cap, installation of a gas extraction system, leachate and groundwater collection and possible treatment, and groundwater and surface water monitoring. In 1992, USEPA entered into an Administrative Order on Consent with a number of PRPs to design the selected remedial action. After reviewing a proposal from the PRPs for a revised version of the remedy, USEPA issued an Explanation of Significant Differences (ESD) in July 1997. The revised remedy may result in a cost savings of approximately \$23,000,000. The remedial design for Phase 1 of the remedy, which includes all components except for design of the leachate and groundwater treatment system, has been finalized. The Consent Decree between the USEPA and the PRPs for completion of the remedial action at the site was entered by the court on March 17, 1998. Funds have been obligated and physical construction of the remedy will begin in May, 1999. Construction of the groundwater/ leachate collection and treatment system, if determined to be necessary, will be initiated after one year of monitoring after completion of Phase 1 construction.

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**Region 5**

NPL Fact Sheet

CHEM-DYNE**OHIO**

EPA ID# OHD074727793

Last Update: May, 1999

EPA REGION 5Butler County
Hamilton**Other Names:**
Transenvironmental Services**8th Congressional District**

Site Description

The ten-acre Chem-Dyne site operated as an industrial chemical waste transfer, disposal, and storage facility located in the city of Hamilton. Hamilton has a population of approximately 87,000. A residential area is located less than 1,000 feet from the site. Other adjacent land uses include a recreational park and industrial facilities. Chemical wastes may have been trucked to the site beginning in 1974. In 1975, Spray-Dyne produced anti-freeze from recycled chemical wastes. The operation was expanded in 1976, and the Chem-Dyne Corporation was formed. Wastes that were unsuitable for recycling were stored in drums and tanks on the site or shipped to other disposal sites. More than 30,000 drums of waste and 300,000 gallons of bulk waste materials were left on site when operations ended in 1980. During its operation, a number of environmental incidents were reported at the site. From 1976 to 1979, at least five fish kills in the Great Miami River were attributable to the Chem-Dyne facility; one fish kill stretched for thirty-seven miles. Fires occurred at the site in 1976 and 1979. A storm sewer drained the site into the Ford Canal, which flows into the Great Miami River. The Ford Canal is used only for drainage and hydroelectric power generation. The Great Miami River is used for recreation. Water supplies in the area rely on groundwater as their source.

Site Responsibility: This site is being addressed through Federal, State, and potentially responsible parties' actions.

NPL Listing History: Proposed Date: 10/21/81
Final Date: 09/08/83

Threats and Contaminants

Groundwater is contaminated with volatile organic compounds (VOCs) and heavy metals, however no drinking water supplies have been affected. Soil was contaminated with VOCs, pesticides, other organic compounds, and heavy metals including mercury, arsenic, nickel, and beryllium. The on-site buildings were contaminated with polychlorinated biphenyls (PCBs).

Cleanup Progress

In 1980, USEPA stabilized, removed, and disposed of 17 potentially explosive drums to a treatment facility. Beginning in 1982, USEPA removed another 9,000 drums and solidified and removed 200,000 gallons of liquid and solid wastes in 33 storage tanks. Spilled materials were cleaned up and wastewater was treated for disposal. The storm drain in the loading dock area was plugged to prevent the discharge of contaminated waste into Ford Canal. The site was also fenced to prevent site access. In 1985, USEPA issued a Record of Decision (ROD) which required the installation of a system to extract the groundwater and treat it by air stripping. The contaminants are further treated with activated carbon before being released into the air. In addition, the buildings on the site were demolished, selected areas of soil were removed, and a synthetic cap with a clay layer was placed over the site. Under a 1985 Consent Decree (CD) signed by USEPA, Ohio Environmental Protection Agency (OEPA) and potentially responsible parties (PRPs) for site contamination, all surface cleanup activities were completed in 1987. The groundwater pump and treatment system has been in operation since 1988, and may continue to operate through 2008 or longer, to meet established cleanup standards. Approximately 3,500,000,000 gallons of groundwater have been treated and nearly 31,000 pounds of VOCs removed from the aquifer. To ensure a continued safe water supply, the state of Ohio is preventing the use of the contaminated aquifer as a source of drinking water.

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**Region 5**

NPL Fact Sheet

**CHEMICAL AND MINERALS
RECLAMATION, INC.**EPA REGION 5
Cuyahoga County
Cleveland

OHIO

EPA ID# OHD980614549

11th Congressional District

Last Update: May, 1999

Site Description

The Chemical Mineral Reclamation, Inc. site (CMR) covers a 3/4 acre area located on the north side of Cleveland, Ohio, on the floodplain of the Cuyahoga River. The site is located in a metropolitan area surrounded by the Cleveland Memorial Shoreway to the south west, the Old Cuyahoga River bed to the north, and industrial property to the east. The owner of the area, Plain Dealer, leased this land to CMR in 1979. CMR planned to use the site as a recycling facility, but in the end only collected and stored wastes in vats and barrels. The vats and barrels contained miscellaneous wastes including flammable and non-flammable solvents, paints, tar, grease, and resins. These storage operations continued until July 2, 1980, when a fire occurred at the warehouse on the site. As a result of the fire, the Cleveland Memorial Shoreway was closed temporarily, but no injuries were reported. The population surrounding the site was the city of Cleveland with an estimated 573,822 people according to the 1980 census. The entrance to the Cuyahoga River and Lake Erie is approximately 1 1/2 mile from the site. A boat docking area and several homes are nearby. A marina is located in the general vicinity. The city of Cleveland, the U. S. Coast Guard, the Ohio Environmental Protection Agency (OEPA), and U. S. Environmental Protection Agency (USEPA) all have participated in some phase of the cleanup activity.

Site Responsibility: The site is being addressed through Federal and State actions.

NPL Listing History: Deletion Date: 12/30/82

Threats and Contaminants

Soil was contaminated with volatile organic compounds (VOCs) including acetone, methyl ethyl ketone, methyl alcohol, toluene, xylene, trichloroethylene (TCE), and dichloroethylene, and sludge. These contaminants came from a variety of sources including flammable and non-flammable solvents (both chlorinated and non-chlorinated), paints, tar, grease, resins, and other miscellaneous wastes. The migration of contaminants off-site to groundwater, surface water, or soil was not suspected, and there was no indication that a potential threat existed to individuals or the environment near the site.

Cleanup Progress

In 1981, 2,000 containers, ranging in size from five to 55 gallons, of flammable and non-flammable solvents (both chlorinated and non-chlorinated), paints, tar, grease, resins, and other miscellaneous wastes were removed. Liquid and solid materials from six 3,500 gallon vats were also removed. Further action included compatibility testing of chemicals and the removal of chemicals to various recyclers, incinerators, and landfills. The building on site were demolished and the contaminated soil was removed to a licensed landfill. The site was placed on the Interim Priorities List in October, 1981. Site cleanup was completed in mid-1982. All cleanup actions were completed before the first proposed National Priorities List (NPL) was established. A Consent Decree (CD) was signed in 1987, between USEPA and all potential responsible parties (PRPs) to recover more than 85 percent of USEPA's cleanup costs. The site was deleted from the NPL in December, 1982.

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Region 5

NPL Fact Sheet

COSHOCTON LANDFILL

OHIO
EPA ID# OHD980509830

Last Update: May, 1999

EPA REGION 5
Coshocton County Coshocton

18th Congressional District

Site Description

The 80-acre Coshocton Landfill, located in Coshocton County, Ohio, was used for coal strip mining for an extensive period in the mid-1900's. The city built and operated a landfill at the site from 1968 to 1979. In 1977, an area of the site caught fire and burned for three days. Drummed liquid wastes including: alcohols, acetone, resins, xylene, perchloroethylene, mineral spirits, plasticizers and neoprene were landfilled at the site. These materials contaminated groundwater, surface water and soils. About 13,400 people live in the city of Coshocton which is located about THREE miles from the site. The city water supply is not threatened by the site.

Site Responsibility: This site is being addressed through Federal and County actions.

NPL Listing History: Proposed Date: 12/30/82
Final Date: 09/08/83

Threats and Contaminants

Groundwater has been contaminated with volatile organic compounds (VOCs) and heavy metals. Sediments on-site contain VOCs and pentachlorophenol (PCP). Soils on-site contain VOCs and phenols. Heavy metals and VOC acetone are found in the surface water. On-site workers and trespassers may be exposed to hazardous substances if they accidentally ingest or come into direct contact with the contaminated areas.

Cleanup Progress

A Consent Decree (CD) between USEPA and the potentially responsible parties (PRPs) was entered with the court on June 11, 1991. The PRPs designed the remedy, and in 1995-1996, they constructed a cap on the 40-acre landfill. Long-term monitoring is being conducted in order to ensure that contaminants do not leave the site. Low levels of contaminants have been detected off-site. No potable water supplies are currently threatened, but new wells installed down gradient from the site could be threatened. On September 25, 1995, a Close Out Report was signed. The Report documented that the response actions were constructed consistent with the approved remedial design, and with the ROD. Groundwater monitoring occurring subsequently to the Close Out Report documented that contaminants were found below the clean-up levels. For this reason, U.S. EPA, with concurrence from the State of Ohio, deleted this Site from the NPL. A Five-Year Review Report was signed for this Site January 21, 1999. The remedy selected remains protective of human health and the environment and complies with Federal and State requirements.

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Region 5

NPL Fact Sheet

**E. H. SCHILLING
LANDFILL**OHIO
EPA ID# OHD980509947EPA REGION 5
Lawrence County
1½ miles northwest of Hanging Rock
6th Congressional District

Last Update: May, 1999

Site Description

The E. H. Schilling Landfill, located in Hamilton Township, Lawrence County, Ohio, is a three-acre site that operated as a waste disposal facility from 1969 to 1980. During the operation, it accepted a wide variety of liquid and solid hazardous industrial and non-hazardous wastes including styrene, phenol, acetone, alcohol, wastewater treatment sludges, coal tar compounds and foam material. The waste material was deposited behind an earthen dam and under a soil cover. Depth of the waste material is approximately 45 feet. The landfill was closed by the state of Ohio in 1980, due to numerous permit violations. In March, 1987, an Administrative Order on Consent (AOC) was signed between U. S. Environmental Protection Agency (USEPA), the Ohio Environmental Protection Agency (OEPA) and two responsible parties (RPs) to investigate the site contamination. The investigation showed that the landfill was leaking volatile organic chemicals (VOCs), semi- VOCs and metals into the surrounding soil, sediment and groundwater. The earthen dam did not meet acceptable safety standards and the soil cover over the waste material did not prevent infiltration of rainwater into the waste material. A Record of Decision (ROD) was issued by USEPA in September, 1989, specified removing the liquid waste from within the landfill with treatment in a on-site treatment plant, preventing water infiltration through capping the landfill and installing a grout curtain/slurry wall, improving the structural stability of the earthen dam and treating contaminated groundwater near the landfill. Contaminated groundwater has not migrated off-site. The site is located in a rural area and approximately 2,000 people live within three miles of the site with some individuals on private wells.

Site Responsibility: This site is being addressed through Federal and potentially responsible parties' actions.

NPL Listing History: Proposed Date: 12/30/82
Final Date: 09/08/83

Threats and Contaminants

Nickel has been detected in air sampled near the landfill at levels exceeding Federal standards. Arsenic and VOCs have been found in groundwater. Leachate, soil, and stream sediments are contaminated with VOCs, polycyclic aromatic hydrocarbons (PAHs), and heavy metals. Individuals who accidentally ingest contaminated groundwater, soil, or sediments may potentially suffer adverse health effects.

Cleanup Progress

In May, 1991, a Consent Decree (CD) was signed between USEPA and four RPs to conduct the design and construction of the remedy. Construction of the site remedy was completed in August, 1993. A total of 3,100 cubic yards of contaminated soil and sediment was excavated and consolidated under the landfill cap. Approximately 8,000,000 gallons of liquids from within the landfill and groundwater have been treated in the on-site treatment plant. Treatment consists of metals removal, biological reactors for the VOCs and semi-VOCs and carbon adsorption as a final step for VOCs. Liquid levels within the landfill have decreased dramatically due to the pumping, landfill cap and grout curtain/slurry wall, but still remain at unacceptable levels. It has been estimated that the treatment plant may cease operation in a few years. The treatment plant discharge has met all Ohio substantive effluent limitations and is in compliance. A Five-Year Review was completed on September 29, 1997, and based upon the review, the remedy remains in compliance with the CD and no change is required to the site remedy. In December, 1993, the two remaining RPs agreed to an Administrative Order on Consent (AOC) to pay for the portion of USEPA oversight costs not collected in the 1991 CD.

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Region 5

NPL Fact Sheet

FIELDS BROOK

OHIO
EPA ID# OHD980614572

EPA REGION 5
Ashtabula County
Ashtabula

19th Congressional District

Last Update: May, 1999

Site Description

Fields Brook site, located approximately 55 miles east of Cleveland in the city and county of Ashtabula, Ohio, is a six square-mile watershed of a Brook where from 1940 to the present, up to 19 separate facilities operated. Activities range from metals-fabrication to chemicals production. Fields Brook flows into the Ashtabula River, which flows into Lake Erie approximately 1-1/2 miles downstream of the site. Sediments of Fields Brook and soils of the Fields Brook floodplain/wetlands area are contaminated with a wide variety of contaminants including polychlorinated biphenyls (PCBs), chlorinated solvents and metals. Several industrial properties surrounding Fields Brook are potentially recontaminating Fields Brook sediment, which has contaminated Ashtabula River sediments. Approximately 23,000 people live within one mile of the site in the city of Ashtabula.

Site Responsibility: This site is being addressed through Federal and potentially responsible parties' actions.

NPL Listing History: Proposed Date: 10/22/81
Final Date: 09/08/83

Threats and Contaminants

Sediments taken from the Ashtabula River are contaminated with PCBs, volatile organic compounds (VOCs), polycyclic aromatic hydrocarbons (PAHs), heavy metals, and phthalates. VOCs and heavy metals including mercury, lead, zinc, and cadmium have been detected in surface water from Fields Brook and the Detrex tributary. Contaminated sediments threaten drinking water intakes in Lake Erie. Contaminants detected in fish include VOCs and PCBs. The site poses a potential health risk to individuals who accidentally ingest or come into direct contact with contaminated water from Fields Brook and the Ashtabula River. Ingesting contaminated fish or sediments also may cause adverse health effects.

Cleanup Progress

In 1986, a final cleanup decision for the Fields Brook sediment operable unit was reached between USEPA and the state. In 1989, USEPA issued a Unilateral Administrative Order (UAO) to require the potentially responsible parties (PRPs) to design and implement the 1986 Record of Decision (ROD) for the Fields Brook sediment. Recognizing that contaminated sediment was

only part of the problem, USEPA required the PRPs to also investigate the adjacent floodplain/wetland area and conduct a search for the source(s) of site contamination.

The investigation of the floodplain/wetland areas along Fields Brook found that contamination, especially PCBs, did extend into the soils adjacent to the Brook. USEPA issued a ROD on June 30, 1997, to select the remedy for the floodplain/wetlands Operable Unit (OU). The remedy requires the excavation and disposal of PCB-contaminated soil in both industrial and residential portions of the OU. In addition, soils with low-level PCB contamination near residential areas will be covered to reduce erosion into the Brook. An on-site landfill will be built within the industrial area of the Fields Brook watershed to house PCB-contaminated soils and sediment from site.

In August, 1997, USEPA issued an Explanation of Significant Differences (ESD) which modified the original 1986 ROD. The ESD eliminated the need for on-site thermal treatment by allowing off-site treatment of contaminated sediment. The ESD also decreased the volume of sediment requiring excavation and eliminated the solidification requirement for sediments to be landfilled.

On September 30, 1997, USEPA issued a ROD to select remedies for six source areas that could potentially recontaminate the Brook. In general, remedies require excavation and containment.

In 1998, low-level radionuclides were discovered in the soil and mining residuals at the Millennium Inorganic Chemicals TiCl₄ facility (one of the industrial source areas addressed by the September 1997 source control ROD) and in Fields Brook sediment and floodplain/wetland soils. The discovery of the low-level radionuclides (primarily radium-226 and radium-228) complicated the cleanup designs that were then underway. On April 8, 1999, the U.S. EPA issued a Site-Wide ESD which modified all existing RODs for the site, established radionuclide cleanup levels, and outlined the design modifications necessitated by the presence of the radionuclides. Progress has resumed on the designs to address contamination in Fields Brook sediment and the floodplain/wetlands soils.

Cleanup work at the Fields Brook operable units is expected to proceed according to the following schedule:

Millennium Inorganic

Chemicals TiCl₄ Facility - Excavation of approximately 60,000 cubic yards of PCB- and radium-contaminated soil and mining residuals. Disposal in the existing Millennium on-site landfill. The work is expected to start in June of 1999 and should be physically complete by the end of 1999, with inspection and reporting requirements complete by March of 2000.

Fields Brook Sediment and

Floodplain/Wetland Soils - The 100% design is currently being prepared. Construction of an on-site landfill is expected to begin in the Spring of 2000. Following completion of the landfill, excavation of Fields Brook soil and floodplain/wetland sediment will begin. The major components of the brook and floodplain/wetlands cleanup are expected to be complete by the end of 2001, with some restoration, inspection and reporting activities left to be addressed in 2002.

RMI Metals - The excavation and disposal of PCB-contaminated soil will proceed when the Fields Brook landfill is complete. The cleanup work is expected to be performed in late 2000.

Acme Scrap Iron and

Metals / South Sewers - The excavation and disposal of PCB-contaminated soil will proceed when the Fields Brook landfill is complete. The South Sewers will then be cleaned. All work on this OU is expected to be performed in late 2000.

Detrex Inorganic Chemicals- Construction of a slurry wall and installation of DNAPL extraction wells is expected to start in early 2000. After an evaluation of the capture of the extraction wells, a determination will be made whether additional extraction wells are required.

North Sewers - The complete grouting and replacement of the contaminated North Sewers is expected to be performed in 2000.

Physical construction at the Conrail source control OU was completed in December of 1998. Arsenic-contaminated soil was excavated and shipped for disposal off-site. The Conrail cleanup has been inspected and U.S. EPA is awaiting a final report from the Responsible Parties.

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**Region 5**

NPL Fact Sheet

**FULTZ
LANDFILL****OHIO**
EPA ID# OHD980794630EPA REGION 5
Guernsey County
½ mile northeast of Byesville**18th Congressional District**

Last Update: May, 1999

Site Description

The Fultz Landfill is a 22-acre privately-owned landfill located one-half mile northeast of the city of Byesville and three miles southeast of the city of Cambridge. From 1954 to 1985, residential, commercial, and industrial solid wastes were disposed of. Beneath the landfill waste, the shallow aquifer consists of alluvial sediment and mine spoils which overlies a flooded coal mine aquifer. The city of Byesville uses the coal mine aquifer as its primary drinking water source. Stream A runs east to west along the toe (base) of the landfill discharging into Wills Creek. Wills Creek is the primary drinking water source for the city of Cambridge. Wetlands consisting of six ponds are also located along Stream A, at the toe of the landfill. During the period of operation, county and state officials cited the owner of the landfill for violations of the operating license including inadequate control of leachate and accepting unauthorized drums of hazardous waste. The state contacted businesses generating the drums and requested them to stop sending drums to the landfill. In the early 1980's leachate seeping from the landfill contained unacceptable levels of metals and phenolic compounds. A Record of Decision (ROD) was issued on September 30, 1991, to fence the site, collect, treat and discharge contaminated leachate and groundwater on-site, construct a 24 inch clay landfill cap, and to fill in the underlying coal mine to prevent cap damage. After the cleanup was designed, an Explanation of Significant Differences (ESD) was issued which called for a geosynthetic clay cap and membrane (more stretchable), eliminated filling in the underlying coal mine, and called for off-site treatment of groundwater and leachate (more cost effective than on site treatment).

Site Responsibility: This site is being addressed through Federal actions.

NPL Listing History: Proposed Date: 12/30/82

Final Date: 09/08/83

Threats and Contaminants

Records show that rollwash sludge, triblend, flammable waste paint and sludge (liquid & solid) containing hazardous metals, cyanide, chlorinated, non-chlorinated organic solvents and phthalates, were disposed of at the Fultz landfill. In 1991, U. S. Environmental Protection Agency (USEPA) completed the Remedial Investigation/Feasibility Study (RI/FS) which showed unacceptable metal contamination in the shallow aquifer groundwater e.g. arsenic, barium, copper, lead, manganese, mercury and vanadium. Vinyl chloride and 1,2-dichloroethane contamination were found in the coal mine aquifer.

Cleanup Progress

Initial negotiations with potentially responsible parties (PRPs) to design and construct the remedy ended unsuccessfully in 1992. After USEPA completed the design, negotiations were re-established for construction of the remedy. These negotiations concluded successfully with a Consent Decree (CD) between USEPA and some of the PRPs. The CD was entered in June 1997, which required the eight PRPs to construct the remedy. A CD with the one non-settling PRP for \$6,000,000 in past costs was signed by this PRP and USEPA in December 1997 and entered in April 1998. Another CD in which 11 settling defendants reached a final settlement was entered in March 1999.

In August 1997, the PRPs' contractor began construction. Construction has been completed, which was documented in the Preliminary Closeout Report dated September 29, 1998.

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Region 5

NPL Fact Sheet

INDUSTRIAL EXCESS LANDFILL

OHIO
EPA ID# OHD000377911

EPA REGION 5
Stark County
10 miles from Akron

14th Congressional District

Last Update: May, 1999

Site Description

Prior to 1966, the thirty-acre Industrial Excess Landfill (IEL) site, located in Stark County, Ohio, was used for mining sand and gravel. In 1966, the mining and excavation pit was converted into a landfill, which operated until 1980. During this time, the IEL received industrial waste primarily from the rubber industries in Akron, Ohio. An estimated 780,000 tons of solid waste and 1,000,000 gallons of liquid waste were dumped onto the ground and into an evaporation lagoon constructed on site. In 1972, the Stark County Board of Health ordered IEL to stop dumping chemical wastes. Besides industrial wastes, the landfill also accepted waste from hospitals, septic tank cleaning firms, and the general public. The landfill ceased operations in 1980, and was covered with soil. According to the 1990 Census, 27,121 people live within a three-mile radius of the site, including 3,912 children below the age of nine years.

Site Responsibility: This site is being addressed through Federal, State, and potentially responsible parties' actions.

NPL Listing History: Proposed Date: 10/15/84
Final Date: 06/10/86

Threats and Contaminants

Groundwater is contaminated with inorganics and volatile organic compounds (VOCs). On-site landfill gases contain VOCs. On-site sediments have been shown to contain heavy metals, cyanide, VOCs, phthalates, and pesticides.

Cleanup Progress

Between 1985 and 1988, USEPA installed a methane venting system at the site to control the migration of methane and landfill gases off site. During installation of this system, 53 drums of suspected industrial waste were uncovered. These drums were removed and disposed in a USEPA-approved facility. Residential well sampling performed in 1987 showed that ten private wells were being impacted by groundwater contaminated by VOCs. USEPA installed air strippers in the affected residences to remove the contaminants. In 1987, USEPA signed a Record of Decision (ROD) requiring that an alternate water supply be installed to an area comprised of 100 homes down gradient of the site where groundwater threatened to contaminate wells before an overall cleanup could eliminate the problem. Under order by the USEPA, several

potentially responsible parties (PRPs) constructed the alternate water supply, which was completed in 1991. In July 1989, USEPA signed a ROD selecting the following actions to clean up the site: covering the entire site with a multi-layer cap; expanding the landfill gas extraction and treatment system; extracting and treating contaminated groundwater; pumping groundwater to maintain the water table at a level that is below that of the wastes in the landfill; fencing the site; placing deed restriction of future use of the site, and continued monitoring of the site. In 1990, USEPA purchased 22 parcels of land, consisting of twelve residences and two businesses. These properties, which bordered the site, were needed for proper installation of the landfill cap. USEPA-prepared Remedial Design (RD) of the remedy is nearly complete. USEPA is in settlement discussions with the PRPs regarding past costs incurred by USEPA, as well as implementation of the cleanup. Based on results of latest monitoring data gathered in March 1997 and September 1998, U.S. EPA public noticed a proposed plan to modify the cleanup plans outlined in the July 1989 ROD. The data indicated that significantly fewer contaminants are present in the groundwater and that the concentrations of those detected are generally lower. Although there are still sporadic exceedances of drinking water standards for metals detected off-site, there is no evidence that a plume of contamination outside of the site boundaries still exists. As a result, the proposed plan recommends that the pump and treat system be eliminated, along with a redesigned landfill cover. A public meeting was held on March 2, 1999 to discuss this proposed agency action. The public comment period ended April 11, 1999. USEPA expects to have a signed ROD Amendment before the end of 1999. On April 21, 1999, members of the Technical Information Committee (TIC), comprising USEPA, Ohio EPA, ATSDR, local government and citizens groups, and responsible parties, met in Uniontown, Ohio to discuss future events following the public meeting on March 2, 1999. The TIC is an advisory group formed by the July 1989 ROD to provide input on remedial design documents that were prepared subsequent to the issuance of the ROD. Regular TIC meetings were held from 1990 to 1995 prior to the current one.

USEPA Ombudsman Robert Martin is currently conducting a preliminary review of this site, primarily on radiation issues, to determine if an investigation is warranted. Mr. Martin is expected to come out with his report, containing his recommendations, in the very near future.

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Region 5

NPL Fact Sheet

LASKIN/POPLAR OIL CO.

OHIO
EPA ID# OHD061722211

EPA REGION 5
Ashtabula County
Jefferson

Other Names:
Laskins Waste Oil Co.
Alaskain Greenhouse Waste Oil
Poplar Oil Co.

Last Update: May, 1999

19th Congressional District

Site Description

The Laskin/Poplar Oil Company site, which covers nine acres is located in Ashtabula County, Ohio. This was formerly the location of a waste oil storage site. The site was initially a greenhouse. The owners started using waste oil to heat the greenhouse. Some of the waste oil used was contaminated with polychlorinated biphenyls (PCBs) and other hazardous constituents. Later, the owner began collecting, reselling and disposing of waste oils. The operation was shut down by Court Order in 1981. Hazardous liquids stored in tanks and ponds had the potential to overflow or otherwise release contaminants into Cemetery Creek, which eventually could have affected a downstream drinking water supply. Approximately ten residences are within 1,000 feet of the site.

Site Responsibility: This site is being addressed through Federal and potentially responsible parties' actions.

NPL Listing History: Proposed Date: 07/16/82
Final Date: 09/08/83

Threats and Contaminants

The waste oils, contaminated water, and sludge contained polychlorinated biphenyls (PCBs), polyaromatic hydrocarbons (PAHs), phenolic compounds and volatile organic compounds (VOCs), including benzene, trichloroethylene, methylene chloride, tetrachloroethylene, and toluene. The shallow groundwater directly below the site was contaminated with polycyclic aromatic hydrocarbons (PAHs), and some VOCs. Sediments in the on-site retention pond were contaminated with PCBs, PAHs, some VOCs, and lead. On-site soils were contaminated with PCBs, PAHs, lead and pesticides. The boiler house was contaminated with PCBs, PAHs, dioxin, lead and zinc. After removal of the waste oils, contaminated water and sludge, a health threat still existed due to the potential for ingestion of contaminated soils and sediments by trespassers, including children. In addition, a health threat would exist if the site or the site ground water was developed for residential usage in the future.

Cleanup Progress

In 1981-1982, USEPA took several emergency actions, including draining two ponds, diversion of surface water run off to a retention pond, removal and off-site incineration of 302,000 gallons of waste oil, treatment and discharge of 430,000 gallons of contaminated surface water, and solidification of 205,00 gallons of sludge. In 1985-1986, under a Unilateral Administrative Order (UAO), private parties removed of 250,000 gallons of oil and wastewater from the pits and tanks.

In 1987, USEPA approved a Record of Decision (ROD) for source removal. Under UAOs, the private parties initiated work on design of the source removal work. Meanwhile in 1983-1989, USEPA conducted a Remedial Investigation/Feasibility Study (RI/FS). Groundwater and soils were contaminated by a large number of contaminants, including polyaromatic hydrocarbons, PCB, lead, and 2,3,7,8-tetrachlorodibenzodioxin. In 1989, USEPA issued a ROD for the final Remedial Actions (RAs) at the site, which primarily included diversion of groundwater from the site and construction of a low-permeability cap over the site.

In 1989, a group of private parties entered into a Consent Decree (CD) with USEPA to implement the 1987 and 1989 RODs. In 1991-1993, the private parties completed the source removal and construction work. The source removal work included on-site incineration of oils, sludge, tanks, drums, boiler house equipment, the boiler house structure and stack, boiler house soils, pit structures, and source soils. In all, 7,500 tons of source material was incinerated. In addition, 164,360 gallons of wastewater were treated and discharged, and 49.5 cubic yards asbestos material from the boiler house were removed. 40 cubic yards of the asbestos material was disposed in an off-site landfill, while 9.5 cubic yards were contained in an on-site vault because of dioxin contamination. The final remedial actions included construction of a groundwater diversion trench and slurry cut-off walls, which have successfully lowered the water table to below the contaminated soil. The soils are further isolated by a low-permeability cap over the site, which has successfully eliminated the direct contact threat and reduced infiltration. Since 1993, private parties have been conducting maintenance and monitoring activities, which has verified that the final remedial actions have remained effective.

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Region 5

NPL Fact Sheet

NORTH SANITARY LANDFILL

OHIO
EPA ID# OHD980611875

Last Update: May, 1999

EPA REGION 5
Montgomery County
Dayton, Ohio

Other Names:
Valleycrest Landfill

4th Congressional District

Site Description

The North Sanitary Landfill (NSL) site occupies almost 102 acres in Dayton, Ohio. More than half of those acres were used for landfilling industrial and municipal wastes into unlined former gravel pits which intersected the water table. Five disposal areas have been identified within the NSL site, one of which is a designated drum disposal area. The NSL site sits atop and within a federally designated sole-source aquifer composed of highly transmissive sands and gravels. The site is situated in between and in close proximity to the city of Dayton's two major municipal well fields. These well fields supply over 430,000 people in the greater Dayton metropolitan area with drinking water. The NSL site is located in a mixed residential/industrial setting and is surrounded on all sides by residential and industrial land use. Several residential drinking water wells in the area have become contaminated with organic substances believed to be related to the NSL site. It is believed that at this time all affected residents have been connected to the municipal water supply. Industrial wastes disposed of at the NSL site, some of which were disposed of beneath the water table, include used oils, solvents, scrap paint, lampblack, electrical transformers, brake grindings containing asbestos, and sewage. Numerous fires have occurred at the site, both during active disposal operations and after disposal operations had ceased. The most recent fire occurred in September of 1996, when the city of Dayton Fire Department, the Regional Hazmat Team, and Ohio Environmental Protection Agency (OEPA) Emergency Response personnel were called in to mitigate an underground fire in an area of the site known to contained drummed industrial wastes.

Site Responsibility: OEPA is the designated lead agency for RI/FS oversight through a cooperative agreement between the agencies.

NPL Listing History: Proposed Date: 06/23/93
Final Date: 05/31/94

Threats and Contaminants

Groundwater and soil at the site are contaminated with volatile organic compounds (VOCs), such as trichloroethylene (TCE), tetrachloroethene (PCE), 1,1-dichloroethene, vinyl chloride, and methylene chloride; semi-VOCs, such as Phenol and bis(2-ethylhexyl)phthalate; heavy metals, such as lead, mercury, cadmium, and cyanide; and polychlorinated biphenyls (PCBs). Long-term exposure or ingesting contaminated soil or groundwater could pose a health threat. An indepth evaluation of the potential health risks associated with the site will be completed when more comprehensive data become available via the RI/FS.

Cleanup Progress

On January 31, 1995 Ohio EPA entered into an Administrative Order on Consent (AOC) to complete a Remedial Investigation/Feasibility Study (RI/FS) with seven of the identified potentially responsible parties (PRPs) collectively known as the Valleycrest Landfill Site Group (VLSG). The VLSG is conducting the RI/FS through a phased approach. The first phase of the RI, roughly the equivalent of a (scoping phase) was based, in part, upon USEPA's Presumptive Remedy for Comprehensive Environmental Resource Compensation and Liability Act (CERCLA) Municipal Landfill sites guidance and Ohio EPA's Statement of Work. Use of the presumptive remedy guidance is intended to focus data collection, accelerate remedy selection, save costs and time, and provide consistency in remedy selection.

The issues in dispute between the Ohio EPA and the PRPs have been resolved. In late March, 1999 the PRPs submitted to Ohio EPA a draft RI/FS work plan addendum as the comprehensive RI/FS work plan required by the AOC. The parties agreed that a presumptive remedy approach could only be used upon a commitment by the PRPs to the remedy. The PRP's refusal to conduct non-intrusive investigatory activities for identified "hot spots" at the Site was resolved through an AOC between select PRPs and USEPA for removal of buried drums and drum impacted waste..

Removal Actions

Ohio EPA has required the VLSG to respond to two time critical emergencies situations at the Site. One situation involved the underground fire within an area of drum disposal. As part of this emergency action a drum removal action was completed in November 1997. Even though thousands of buried drums exist at the site the scope of work for this emergency action only required specific drums to be removed. The removal was limited to only drums currently protruding from the landfill surface and resulted in approximately 100 drums being excavated. The drummed waste and associated soil generated by this removal action were classified as hazardous waste. Analytical data for the drummed waste indicated the presence of Trichloroethylene [as high as 370,000 parts per million (ppm)] and other volatile organic compounds (VOCs). Additional buried drums of the same nature were visible in the resulting excavations. Analytical data for the impacted soils indicated the presence of several VOCs, semi-volatile organic compounds, heavy metals, and PCBs.

U.S. EPA Involvement

In January 1998, Ohio EPA referred the "hot spot" areas of the Site that represent principal threat waste to U.S. EPA's Emergency Response Section for evaluation. Pursuant to CERCLA §106, in September 1998, U.S. EPA entered into an AOC with selected PRPs to undertake a removal action for drum disposal areas at the Site and, in light of threats associated with the landfill gas, to install a landfill gas abatement system.

The PRPs installed a system to reduce or eliminate the migration of the landfill gas. Installation of the system was completed in September, 1998. The system underwent an evaluation and corrective action period to determine its effectiveness. The evaluation demonstrated that the system was not able to meet the criteria for controlling the migration of landfill gas and raised new concerns over the emissions from the system arose. The system is under going modifications in order to reduce the concentration of landfill gas to below 5% in the area of concern. This includes extending the system in areas of concern.

USEPA and Ohio EPA met with the PRPs on April 20, 1999 to discuss landfill gas emission issues. The PRPs will use an enclosed flare capable of destroying the high levels of VOCs in the landfill gas at the site. The Agency's have been recommending that the PRPs to do exactly that for some time now. This will require that the five separate legs of the existing system be manifolded together and channeled to a central point on the interior of the site where the

enclosed flare will be located. USEPA granted a 60-day extension to complete this work. The New Source Performance Standards (NSPS) under the Clean Air Act will likely be among the controlling ARARs for the landfill gas work. The PRPs have indicated that they do not agree that NSPS would apply. Further discussion on this issue is pending.

In October, 1998, the drum removal work plan was conditionally approved by U.S. EPA. Drum removal work began November, 1998. By the end of April 1999, the PRPs completed approximately 10% of the drum removal work which produced approximately 2,050 drums from one area of the site. The PRPs estimated that 53,000 drums may have been disposed of in this one portion of the site alone.

Current analytical data from the PRPs indicates the buried drums contain hazardous wastes which have caused extensive contamination to the surrounding media. The PRPs continued to investigate the vertical Extent of Contamination (EOC) investigation for the underlying area. The EOC investigation was only completed down to the seasonal water table but shown contaminant levels well in excess of hazardous waste regulatory limits to this depth. This also confirmed Ohio EPA's position of several years ago that waste was deposited directly into the sole source aquifer. The depth of the waste and extent of contamination below the water table has not been determined at this point.

The PRPs had originally proposed a 90-day schedule to complete Area 5 in the removal action work plan of which they did not meet. USEPA used their best professional judgement and extended the PRPs' schedule an additional 90 days (total time = 180 days) until June 30, 1999 to complete removal efforts in Area 5. The PRPs issued a notice of dispute with USEPA regarding the need to meet the 90-day extension for completing drum removal in Area 5. The PRPs assert that the 90-day time frame is not reasonably or safely achievable, and that it does not allow a consideration of on-site treatment options. The PRPs assert that the volume of material they have to deal with is not what they expected. The PRPs have not resumed drum removal (excavation) work for nearly two months nor have they done any work on evaluating available on-site treatment options. Apparently, the PRPs have not made good use of their time and may be intentionally delaying the work required by the consent agreement with USEPA.

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Region 5

NPL Fact Sheet

OLD MILL

OHIO
EPA ID# OHD980510200

Last Update: May, 1999

EPA REGION 5
Ashtabula County
Rock Creek
Other Names:
Valleycrest Landfill

19th Congressional District

Site Description

This site is located in the Village of Rock Creek, Ashtabula County, Ohio, and consists of two parcels of land referred to as the Henfield (three acres) and Kraus (ten acres) properties. Land use in the vicinity of the site is a mixture of residential, agricultural, and commercial/industrial developments. The site is in a rural village setting with the closest residences approximately 75 feet from the property boundary. Approximately 2,000 people live within a two-mile radius of the site.

Site Responsibility: This site is being addressed through Federal and potentially responsible parties' actions.

NPL Listing History: Proposed Date: 12/30/82
Final Date: 09/08/83

Threats and Contaminants

Volatile organic compounds (VOCs) are contaminating the groundwater underneath the Henfield Property and the Kraus Property. VOCs and heavy metals including lead were contaminating the soils near the silos on the Henfield Property and in the drum storage area of the Kraus Property. Studies indicated that the soils were principally contaminated with trichloroethene, dichloroethene, 1,1-dichloroethene, vinyl chloride, 1,1,1-trichloroethane, ethylbenzene, and xylene, with TCE as the principal contaminant. Potential health risks exist through accidental ingestion of or direct contact with the contaminated groundwater until ongoing treatment is complete.

Cleanup Progress

Response activity at the Old Mill site began in 1979, before the site was listed on the National Priorities List (NPL), when USEPA and Ohio Environmental Protection Agency (OEPA) found 1,200 drums of toxic waste, including solvents, oils, resins, and polychlorinated biphenyls (PCBs), stored on the two mentioned properties. Superfund emergency removal activities and enforcement action resulted in drum removal that began in November 1981 and was completed in October 1982. Some of the Potentially Responsible Parties (PRPs), who may have contributed to the contamination at the site, participated in removal activities by removing 580 of the drums. Under removal authorities, 80 cubic yards of contaminated soil was removed in November 1982 from a drum storage area of the Henfield property, and a fence was installed around a portion of

the site in 1984. Between August 1983 and December 1984, a Remedial Investigation (RI) was conducted at the site. In September 1983, notice letters were sent to approximately 30 PRPs giving notice of the Remedial Investigation/Feasibility Study. On February 23, 1984, a CERCLA Section 106 Administrative Order was issued to a former operator of the site requiring the installation of a fence around hot spots containing hazardous substances on-site. The former operator failed to comply with the Order, and EPA installed the fence to limit public access to the site. On November 2, 1984, demand letters were sent to several PRPs outlining their liability for payment of all past response costs as well as any other costs arising from remedial activities at the site. Negotiations were held, but no acceptable offers of settlement were received. A Record of Decision (ROD) was signed in August of 1985, to address the remaining contamination issues. EPA conducted the RA and is continuing to seek recovery of funds expended.

An extraction system was installed to recover contaminated groundwater from both the shallow and deep aquifers. Extracted groundwater is pumped to a treatment plant located on the southern edge of the Henfield property. The treatment plant includes a holding tank that collects groundwater pumped from the extraction system. An air stripper removes VOCs. A two stage activated carbon column provides for additional removal of organics from the air stripper effluent. Treated water is discharged by gravity to an underground storm water drain. An additional shallow aquifer intercepting trench was installed along with two monitoring wells in order to address a VOC plume that was extending beyond the original area of concern. A final inspection was held on August 18, 1989. A punch list was developed, and final modifications were requested. The Remedial Action Report was approved by USEPA on April 24, 1991.

USEPA completed a Five-Year Review on January 17, 1996. Routine operation and maintenance of the remedial system continues. In 1997, the carbon adsorption tanks were replaced by a new tank. USEPA is currently in negotiations with the PRPs regarding recovery of costs incurred and long-term operation and maintenance of the remedial system.

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**Region 5**

NPL Fact Sheet

ORMET CORP.**EPA REGION 5**Monroe County
Hannibal**18th Congressional District****OHIO**

EPA ID# OHD004379970

Last Update: May, 1999

Site Description

The 200-acre Ormet Corp., located in Monroe County, Ohio, is an aluminum processing facility that began operating in 1958. Between 1958 and 1968, about 85,000 tons of spent potliner material were stored in an unlined open storage area. The spent potliner was also placed in an unlined landfill adjacent to the Ohio River. About 1,500 people live within a three-mile radius of the site. The well that provides drinking water for over 3,000 employees of Ormet Corp. and the nearby Consolidated Aluminum Corp. is about 2,000 feet from the site. There are two interceptor wells installed by Ormet in 1973, which extract the contaminated plume before it reaches the drinking water well. These wells remove about 225 gallons of contaminated water a minute from the aquifer and this water is sent to an on-site treatment plant. A Remedial Investigation and Feasibility Study (RI/FS) was conducted by Ormet under a Consent Order and was completed on September 12, 1994.

Site Responsibility: This site is being addressed through Federal, State, and potentially responsible parties' actions.

NPL Listing History: Proposed Date: 09/18/85
Final Date: 07/21/87

Threats and Contaminants

The groundwater is contaminated with cyanides, arsenic and fluorides. The soils and sediments in a backwater area are contaminated with cyanide, fluoride and polychlorinated biphenyls (PCBs).

Cleanup Progress

The Consent Decree between U. S. Environmental Protection Agency (USEPA) and Ormet Corp. for design and construction was entered with the court on December 18, 1995. Ormet has completed the remedial design and the construction of the remedy. A Preliminary Closeout Report documenting the completion of construction was signed August 4, 1998. The remedy consists of:

1. Excavation of PCBs contaminated soils and sediment and placement of them in a Toxic Substance Control Act (TSCA) cell to be built inside the on-site landfill.
2. Capping of the landfill.
3. Installing a flushing system on the former spent potliner storage area.
4. Continue the extraction and treatment of the contaminated groundwater from beneath the site.

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Incorporated (SCA). This AOC required SCA to conduct a Remedial Investigation/Feasibility Study (RI/FS). USEPA issued a Record of Decision (ROD) on September 30, 1993, selecting cleanup actions including institutional controls, an improved landfill cap, excavation and consolidation of contaminated soils under the landfill cap, ground water monitoring, storm water/flood controls, active landfill gas collection and treatment with a flare, shallow groundwater and leachate extraction, on-site treatment and discharge to the river.

USEPA and OEPA entered negotiations with an expanded Potentially Responsible Party (PRP) group to perform the Remedial Design (RD) work as detailed in the 1993 ROD. In June, 1994, a three-party order became effective requiring the PRPs to design all phases of the cleanup. Special Notice Letters (SNLs) inviting participation in Remedial Action (RA) negotiations have been issued to appropriate PRPs by USEPA. A de minimis Consent Decree (CD) was offered to 196 parties in 1997. Approximately 90 parties subsequently settled with USEPA.

Data from 1983 through 1995, indicates that groundwater quality has improved or remained constant since 1988. For this reason, an Explanation of Significant Difference (ESD) was signed in January, 1997, to delay implementation of the groundwater treatment system and evaluate future groundwater trends. A second ESD was signed in 1997, to allow for treatment of leachate off-site at a Publicly Owned Treatment Works (POTW), pending POTW approval.

The 100% RD was approved in December, 1997. RA Consent Decree negotiations terminated in February, 1998. A Unilateral Administrative Order was issued in May 1998 and work on the cap, leachate and landfill extraction systems and other site work will begin in June, 1998, and is scheduled to be completed by the December, 1999. To date, a significant amount of construction work has been completed. All of the extraction wells for leachate have been drilled and the leachate and landfill gas conveyance piping is being installed. The excavations and consolidations under the cap are also almost complete. It appears that a permit will be issued to allow for the discharge of leachate to the Publicly Owned Treatment Works, thus eliminating the requirement for the on-site construction and operation of a leachate treatment plant.

Landfill gas/leachate collection/treatment and groundwater monitoring will be required for the long-term (30+ years). Depending upon the results of ongoing groundwater monitoring, implementation of the groundwater treatment system delayed under the ESD will be conducted or the groundwater treatment requirement will be eliminated. For this reason, a ROD amendment may be completed.

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Region 5

NPL Fact Sheet

PRISTINE, INC.

EPA REGION 5
Hamilton County
Reading

2nd Congressional District

OHIO

EPA ID# OHD076773712

Last Update: May, 1999

Site Description

The Pristine, Inc. site is located in an industrial/residential area within Reading, Ohio, and is a former liquid waste disposal facility that operated from 1974 to 1981. Prior to this, the site had been used for the manufacturing of sulfuric acid and a permit was obtained in 1977, to convert the facility to a hazardous waste incinerator. Due to numerous permit violations, the site was closed by the Ohio Environmental Protection Agency (OEPA) in 1981. At the time of closure, over 10,000 drums and several hundred thousand gallons of bulk liquids were on-site consisting of acids, pesticides, solvents containing volatile organic compounds (VOCs) and semi-VOCs, sludges containing VOCs and semi-VOCs, polychlorinated biphenyls (PCBs) and cyanide waste. In 1983, a Consent Order between OEPA and Pristine, Inc. was used to remove most of the drummed material. In 1984, an Administrative Order on Consent (AOC) was used by U. S. Environmental Protection Agency (USEPA) and the responsible parties (RPs) to remove sludges and heavily contaminated soil from the site. In the Fall of 1987, USEPA funded an investigation of the Pristine site and subsequent remedy determination. The city of Reading Well Field which is 300 feet northwest of the site and provides drinking water for over 15,000 people was affected by contamination from the Pristine site. The well field was closed by the OEPA in March, 1994, due to high levels of VOC contamination.

Site Responsibility: This site is being addressed through Federal, State, and potentially responsible parties' actions.

NPL Listing History: Proposed Date: 12/30/82
Final Date: 09/08/83

Threats and Contaminants

The investigation determined that soils on-site were contaminated with pesticides, including DDT, VOCs, semi-VOCs and metals. Groundwater is contaminated with VOCs, semi-VOCs, and heavy metals. Compounds detected in the soil and sediments included VOCs, polycyclic aromatic hydrocarbons (PAHs), heavy metals, and pesticides. The presence of trace levels of VOCs in groundwater does not present an immediate health risk to people, since the Reading Well Field is no longer used as a public water supply.

Cleanup Progress

In December, 1987, USEPA issued a Record of Decision (ROD) for the Pristine site. A Consent

Decree (CD), including a de minimis settlement for the design and construction of the site remedy, was finalized between the USEPA and 111 responsible parties (RPs) in October, 1990. A second de minimis settlement was signed between USEPA and 8 RPs in February, 1993. The site remedy was amended in March, 1991, to demolition of the former hazardous waste incinerator and associated structures and tanks, thermal treatment of soil, soil vapor extraction (SVE) including a cap over the site and groundwater pump and treatment. The demolition phase was completed in January, 1992, with most of the metal being cleaned and recycled. In May, 1994, treatment was completed on approximately 13,000 tons of soil contaminated with pesticides, semi-VOCs and VOCs using thermal desorption. Construction of the SVE system was completed in November, 1995. Since the SVE treatment system and groundwater treatment system are combined, startup of the SVE system occurred when the 150 gallons per minute (gpm) groundwater system was completed. Construction was completed on the 150 gpm groundwater treatment plant in September 1997 and the facility is currently in compliance. The 150 gpm groundwater treatment system consists of metals precipitation, air stripping with catalytic oxidation for the air emissions and finally carbon adsorption. The SVE system is scheduled to operate for 10 years and the 150 gpm groundwater pump and the treatment system will operate for at least 30 years.

A second and final groundwater pump and treatment system was constructed at the site in 1998. This 300 gpm system includes 3 extraction wells to draw contaminated groundwater from the downgradient edge of the contaminant plume. The 300 gpm system became operational in September of 1998 and is currently in compliance. The 300 gpm pump and treatment system will operate for approximately 30 years, or as long as is necessary to remediate the outer portion of the groundwater contaminant plume.

A Preliminary Closeout Report for the Pristine, Inc. Site was signed in September 1998, documenting that all construction has been completed at the site.

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**Region 5**
NPL Fact Sheet**REILLY TAR &
CHEMICAL CORP.
(DOVER PLANT)**EPA REGION 5
Tuscarawas County
DoverOHIO
EPA ID# OHD98061004218th Congressional District

Last Update: February, 1998

Site Description

The Reilly Tar and Chemical Company site is a 3.66 acre parcel of land situated in Dover, Ohio, on Third Street, southeast of the junction of State Route 211 and State Route 39, three-quarters of a mile north of the junction of Sugar Creek and the Tuscarawas River. The site operated from 1932 to 1956 as a coal tar refinery. During that time, coal tar wastes accumulated on the ground from spillage and other site activities. The site is bordered on the northeast by an abandoned canal turning basin, which functions today as a drainage ditch directing storm water runoff from the city of Dover into the Tuscarawas River. Current land use adjacent to the study area is mainly commercial and residential north of the site toward the Dover downtown area, and industrial to the west and southwest. Public power and sewage facilities are immediately east of the site, and an open and undeveloped industrial area south of the site is currently used for fill and borrow disposal. The site is currently inactive, is fenced, and is located on the sand and gravel deposits of the Tuscarawas River basin. The aquifer in the deposits is the sole source of drinking water for approximately 28,700 people served by the municipal water systems of Dover and New Philadelphia. An additional 4,000 people obtain drinking water from private wells within three miles of the site.

Site Responsibility: This site is being addressed through Federal and potentially responsible parties' actions.

NPL Listing History: Proposed Date: 06/24/88
Final Date: 08/30/90

Threats and Contaminants

Groundwater and soil are contaminated with petrochemicals from coal tar wastes. Potential health threats include ingesting or coming into direct contact with contaminated groundwater or soil. Potential contact with hazardous substances is limited, because the site is fenced.

Cleanup Progress

Reilly Industries removed 1,442 tons of coal tar and asphalt materials from the site during June/July, 1990, under a Unilateral Administrative Order (UAO) dated March 29, 1989. Three types of surficial coal tar materials were encountered during the Expedited Response Action (ERA). A Record of Decision (ROD) for the site was signed on March 31, 1997, selecting the following response actions: institutional controls; excavation and off-site thermal treatment of drainage ditch and river sediments, surface soils, and contaminated material from the collection trench installation; off-site disposal of solidified tarry materials; excavation and on-site disposal of surface water drainage ditch and river sediments, surface soils and; a Resource Conservation and Recovery Act (RCRA) Subtitle D cap over on-site disposed materials; a soil cover over the remainder of the site; hydraulic control and collection of perched groundwater; natural attenuation and long-term monitoring of shallow groundwater; and continued sampling and analysis of river sediments to monitor long term ecological¹ effects.

USEPA and Reilly Industries arrived at a settlement agreement regarding past costs and future Remedial Design/Remedial Action (RD/RA) work at the site in December, 1997. RD of the remedy will commence in 1998, and RA will be undertaken during the 1999 construction season.

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Region 5

NPL Fact Sheet

REPUBLIC STEEL CORP. QUARRY

OHIO

EPA ID# OHD980903447

EPA REGION 5

Lorain County
Elyria13th Congressional District

Last Update: May, 1999

Site Description

The Republic Steel Quarry (RSQ) site consists of a five-acre quarry containing water and seven acres of fenced land surrounding the quarry. From 1950 to 1975, the Republic Steel Corporation discharged about 200,000 gallons per day of waste pickle liquor and rinse water consisting of sulfuric acid and dissolved metal oxides into the quarry via a ditch. In 1977, the quarry and the seven surrounding acres of land were sold by Republic Steel to the city of Elyria. The site was proposed for the National Priorities List (NPL) due to the findings of heavy metals in the groundwater. The Remedial Investigation (RI) conducted between 1986 and 1988, indicated that all contamination caused by past disposal practices were limited to quarry sediments, the pickle liquor discharge ditch and several soil locations around the quarry's edge. Carcinogenic polynuclear aromatic hydrocarbons (PNAs) and heavy metals posed the greatest potential risks. Both the quarry and the Black River, which borders the site on the east, are used for recreational purposes such as swimming and fishing. Drinking water is currently supplied to surrounding residents via the Elyria municipal water supply system.

Site Responsibility: This site was addressed through Federal and State actions.

NPL Listing History: Proposed Date: 10/15/84

Final Date: 06/12/86

Threats and Contaminants

Groundwater and quarry surface water were contaminated with heavy metals, such as beryllium, cadmium, and manganese. Other metals in the ground and surface water included barium, iron and copper. Quarry sediments were contaminated with volatile organic compounds (VOCs), carcinogenic and non-carcinogenic PNAs, heavy metals, and phthalates. Heavy metals and PNAs were also contaminants of concern in the site soils. Significant health risks could result from accidental ingestion and/or direct contact with contaminated groundwater, surface water, soil, or quarry sediments. Physical hazards exist at the site as well due to the sheer quarry walls and deep water.

Cleanup Progress

USEPA conducted a streamlined remedy selection and removal action. In 1988, a Record of Decision (ROD) was signed which led to the excavation and removal of 190 cubic yards of

combined sediment and soils from the drainage ditch and hot spots around the edge of the quarry; further groundwater monitoring to determine potential threat; and a fish and biota study to determine potential threat. The contaminated quarry sediments were to be left in place because these contaminants lay below the mixing zone and fish are not likely to come in contact with the contaminants. USEPA concluded that remediation would likely entrain contaminated sediments in the water, thereby increasing the likelihood of exposure to contaminants by fish. The studies confirmed that no unacceptable risks were present at the time, however, during the time period between the baseline risk assessment and a post-ROD risk assessment, some contaminants were reassigned higher cancer potency factors by USEPA, thereby increasing the carcinogenic risk. The Preliminary Close Out Report was issued on December 31, 1992. USEPA determined it would be more prudent to conduct a detailed Five-Year Remedy Assessment prior to site deletion. The Level II Five-Year Review was completed June 26, 1998, and indicated that no unacceptable risks from chemical contaminants exist at the site under current use (casual trespassing) conditions, however regular use of the quarry via swimming or fish consumption would present unacceptable risks. Chemical and physical hazards currently at the site will be addressed via fencing improvements and enhanced site security. The Review also recommended continued periodic monitoring of quarry surface water, quarry fish tissue and groundwater. Because anticipated future land use is non-residential, no unacceptable future risks from contaminants are expected. USEPA is pursuing the adoption of codified land use restrictions for the City of Elyria in conjunction with the upcoming deletion activities in 1999. As the only remaining Responsible Party (RP), the city of Elyria settled with USEPA for \$25,000 in 1996.

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Region 5

NPL Fact Sheet

SANITARY LANDFILL CO. (INDUSTRIAL WASTE)

OHIO
EPA ID# OHD093895787

Last Update: May, 1999

EPA REGION 5
Montgomery County
Dayton

Other Names:
Cardington Road Landfill

3rd Congressional District

Site Description

The 36-acre Cardington Road/Sanitary Landfill Co., located in Montgomery County, Ohio, was operated as a landfill from 1965 to 1980. The landfill accepted municipal wastes and various types of industrial wastes including solvents. The groundwater and soils are contaminated with solvents and metals including chromium, copper, cadmium, and lead. The closest residence is located less than 150 feet from the site. About 125,000 people draw drinking water from wells located within 3 miles of the site. The Great Miami River is located near the site.

Site Responsibility: This site is being addressed through Federal and potentially responsible parties' actions.

NPL Listing History: Proposed Date: 10/15/84
Final Date: 06/10/86

Threats and Contaminants

Groundwater is contaminated with solvents and heavy metals including chromium, copper, cadmium, and lead. The soil contains solvents, and the heavy metals chromium, copper, cadmium, and lead. Potential health risks to people include accidentally ingesting or coming into direct contact with contaminated soil, inhaling volatile organic compounds (VOCs) in indoor air and outdoor ambient air, and ingesting on-site groundwater. Access to the site is restricted by a fence.

Cleanup Progress

USEPA, the State of Ohio, and several of the Settling Defendants, known as the Cardington Road Coalition (CRC) entered into a three-party Administrative Order by Consent (AOC) which was effective December 16, 1987. Pursuant to the AOC, the CRC performed a Remedial Investigation and Feasibility Study (RI/FS) for the site. The RI was completed on January 10, 1992 and the FS was completed on November 12, 1992. Subsequently, the Record of Decision (ROD) was signed on September 27, 1993. The components of the remedy included a solid waste landfill cap, on-site subsurface gas controls, surface run-off controls, long-term monitoring, institutional controls, and a supplemental site investigation to determine if a ground

water extraction/treatment system was necessary. A Consent Decree (CD) between the USEPA and the CRC was entered by the court on August 12, 1996 to perform the Remedial Design/Remedial Action (RD/RA). The RD was completed on April 16, 1996. As a result of the supplemental investigation performed during the RD, it was determined that ground water extraction and treatment was not necessary at the site. The RA was initiated in July 1997. During implementation of the RA, a new area of waste was identified. During installation of landfill gas monitoring probes east of the site, a waste area was discovered and high levels of methane were found in the bore holes. Gas monitors were placed in nearby businesses. The landfill gas system was extended to include the waste areas found east of the site. USEPA and the Ohio EPA conducted a pre-final inspection on September 17, 1998, which concluded that all construction activities have been completed. The RA Report for the site has been submitted to USEPA and Ohio EPA for review.

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Region 5

NPL Fact Sheet

SKINNER LANDFILL

OHIO

EPA ID# OHD063963714

EPA REGION 5

Butler County
West Chester

8th Congressional District

Last Update: May, 1999

Site Description

The 78-acre Skinner Landfill site is located on a ridge above the east fork of Mill Creek in West Chester. The landfill accepted hazardous and demolition wastes since the late 1950's. The actual landfill area covers approximately ten acres and includes a lagoon less than one acre in size, containing hazardous waste and approximately 100 drums of solvents, pesticides, and heavy metals. Approximately 40 feet of demolition material are on top of this lagoon. Demolition waste was accepted until July, 1990. The remaining sixty acres of the site contain scrap metal, the owner's residence, and buildings used by the owner for his general contracting business. Waste disposed at the landfill was municipal, commercial, industrial and construction waste. Based largely upon World War II-era activities, the Department of Defense (DOD) is a potentially responsible party (PRP) at the site, as well as a number of municipalities, Fortune 500 companies, and small transporters in the Cincinnati area.

U. S. Environmental Protection Agency (USEPA) placed the Skinner Landfill site on the National Priorities List (NPL) in December, 1982. USEPA completed Phase I and II Remedial Investigations (RI), which included the sampling of groundwater, surface water, and soils. Contaminants of concern detected include volatile organic compounds (VOCs), semi-VOCs, pesticides, metals, polychlorinated biphenyls (PCBs), dioxins and furans. The Feasibility Study (FS) was completed in April, 1992. A Record of Decision (ROD) for an interim action Operable Unit (OU) was signed by the Regional Administrator of Region 5, USEPA, on September 30, 1992. The ROD consisted of site fencing, connections to the Butler County public water system for potentially affected local users of groundwater, and groundwater monitoring. A Unilateral Administrative Order (UAO) for the performance of the actions required by the interim action OU was issued to the twenty then- identified PRPs on December 9, 1992. Several PRPs organized the Skinner Landfill PRP group, and this group fully complied with the requirements of the UAO. Several other PRPs refused to comply with the UAO.

The ROD for the final OU at the site was signed on June 4, 1993. The final ROD calls for a multi-layered Resource Conservation and Recovery Act (RCRA) cap, which will be constructed over the area covered by the former dump and the buried waste lagoon. Any contaminated materials found outside of the area to be capped, including contaminated soils found in buried waste pits on-site, will be dug up and moved onto the area to be covered by the cap. Contaminated groundwater down gradient of the area to be capped will be intercepted, captured, and discharged to the Publicly Owned Treatment Works (POTW).

On March 29, 1994, USEPA entered into an Administrative Order on Consent (AOC) with the Skinner Landfill PRP group for performance of the Remedial Design (RD) of the final remedy contained in the June 4, 1993 ROD. The final design was approved in June, 1996. The costs of implementing the approved final design are estimated at \$9 million.

Site Responsibility: The site is being addressed through Federal and potentially responsible parties' actions.

NPL Listing History: Proposed Date: 12/30/82
Final Date: 09/08/83

Threats and Contaminants

Liquid sludge in the on-site lagoon is contaminated with heavy metals including cyanide, cadmium, and chromium; VOCs and semi-VOCs; pesticides; PCBs; dioxins; and furans. Groundwater is contaminated with various VOCs and semi-VOCs. Two creeks that border the site contain sediments contaminated with VOCs from sludge migration. Potential health threats include accidental ingestion of and direct contact with contaminated liquid sludge, groundwater, or river sediments. The potential exists for wildlife in the creeks to become contaminated from migrating contaminated sludge.

Cleanup Progress

USEPA initiated an Alternative Dispute Resolution (ADR) convening procedure resulting in a privately-funded agreement to use a neutral party to allocate responsibility for response costs. Almost simultaneously, the Skinner Steering Committee filed contribution lawsuits against most of the PRPs named by USEPA (and a few municipalities which the Agency did not name). The Steering Committee has moved in the contribution lawsuit for the entry of a case management order which would make the private allocation procedure mandatory for all of the contribution defendants. Most of the defendants have already agreed to participate in the allocation procedure; others oppose the process. The Remedial Action (RA) at the site could not begin until the ADR allocation procedure was completed. This allocation procedure was completed in April, 1999. Special Notice Letters were sent to the PRPs in February, 1999 to initiate Remedial Action (RA) negotiations. Negotiations between the parties is currently on-going. Physical work at the site is expected to start in 1999, but probably will not be completed until 2000. However, USEPA plans to expedite construction of the RA at the site before FY 2000.

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Region 5

NPL Fact Sheet

SOUTH POINT PLANT

OHIO

EPA ID# OHD071650592

Last Update: May, 1999

EPA REGION 5

Lawrence County
South Point

Other Names:

South Point Ethanol Plant
Ashland Oil South Point Facility

6th Congressional District

Site Description

The South Point Plant site, located in Lawrence County, Ohio, is a 610-acre industrial area where numerous potentially responsible parties (PRPs), including Allied-Signal, Ashland Oil, and South Point Ethanol (SPE), produced ammonia fertilizer and formaldehyde and operated a coal-water fuel pilot plant, a pitch prilling test plant, and an ethanol production plant. The site contains three unlined landfills that contain a variety of wastes including fly ash, plant refuse, coal cinder, and small quantities of chemicals. In addition, numerous activities have contributed to the contamination of groundwater and soils, including a number of major spills at the site. The site is located on the eastern flood plain of the Ohio River. Approximately 65,000 people live within three miles of the site. The Village of South Point is the nearest town. The intake for the Ashland, Kentucky municipal water supply, which serves approximately 24,000 people, is located on the Ohio River about one mile downstream of the site. The Village of South Point draws its water supply from a well field, located near the site that supplies drinking water to an estimated 4,000 people.

Site Responsibility: This site is being addressed through Federal and potentially responsible parties' actions.

NPL Listing History: Proposed Date: 09/08/83
Final Date: 09/21/84

Threats and Contaminants

Groundwater is predominantly contaminated with chloride, nitrate, and sulfate, with lesser amounts of the heavy metals iron and manganese. Soils are predominantly contaminated with heavy metals, including arsenic, and lesser amounts of chloride, nitrate, ammonium, and sulfate. Potential health threats exist from accidental ingestion and direct contact with soils and groundwater.

Cleanup Progress

The PRPs, who are past owners, operators, and generators, voluntarily entered into an Administrative Order on Consent (AOC) with United States Environmental Protection Agency (USEPA) to perform a Remedial Investigation/Feasibility Study (RI/FS). The AOC was signed by USEPA on April 21, 1987. The PRPs submitted a Final RI Report with a Risk Assessment

that confirmed the presence of volatile organic compounds, semi-VOCs, and metals in soils and groundwater. Due to the potential for municipal wells to be affected by contamination from the site, one the PRPs, SPE, entered an agreement, dated November 1983, with the Village of South Point to continue pumping some on-site process wells that effectively contained any contaminated groundwater on-site. Even though SPE has gone out of business, the remaining PRPs continue to honor the agreement. This containment system, which has been shown to be removing mass contaminants, will continue to operate at a rate of 2.0 million to 4.0 million gallons per day, until the contaminants in groundwater have dropped to acceptable health based levels, estimated to be 10 years. A final version of the FS was approved on June, 1997. The Record of Decision (ROD) was signed in September, 1997. A Consent Decree was entered final in November, 1998 for the PRPs to conduct the Remedial Design/Remedial Action (RD/RA). RD work started in November, 1998 and is expected to be completed by June, 2000 with the RA expected to start soon after.

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Region 5

NPL Fact Sheet

SUMMIT NATIONAL

OHIO
EPA ID# OHD980609994

Last Update: May, 1999

EPA REGION 5
Portage County
Deerfield

13th Congressional District

Site Description

The fifteen-acre Summit National site is located in Portage County, Ohio, on a former coal strip mine containing a coal wash pond and a coal stockpile. From 1974 to 1978, the site was used as a waste disposal facility and received such wastes as oils, resins, paint and metal plating sludges, flammable solvents and chlorinated solvents. Two surface water ponds and an incinerator were also located on site. The facility received liquid wastes which were stored in drums, an open pit, or in bulk tanks. Some wastes were incinerated, others were buried and some were dumped on the soil. The groundwater, soil and surface water were contaminated with volatile organic compounds (VOCs), phenols, phthalates, polychlorinated biphenyls (PCBs) and heavy metals including arsenic, chromium, and cadmium. About 4,500 people live within three miles of the site. Surface water flow from the site goes to the Berlin Lake Reservoir which is a standby water supply for the city of Youngstown.

Site Responsibility: This site is being addressed through Federal, State, and potentially responsible parties' actions.

NPL Listing History: Proposed Date: 10/22/81
Final Date: 09/08/83

Threats and Contaminants

The groundwater is contaminated with various VOCs, phenols, and phthalates. VOCs, phenols, and heavy metals including arsenic, cadmium and antimony were contaminating the soil. The surface water was contaminated with VOCs, phenols, polycyclic aromatic hydrocarbons (PAHs), PCBs, and heavy metals including arsenic and chromium. The contaminated groundwater could pose a health risk if accidentally touched or ingested.

Cleanup Progress

In 1980, USEPA, Ohio Environmental Protection Agency (OEPA) and the potentially responsible parties (PRPs) removed drums, tanks and a small amount of soil from the site. In 1987, USEPA removed liquids and strengthened dikes to prevent contaminants from overflowing the ponds and flowing to the Berlin Reservoir. A Consent Decree (CD) between USEPA, OEPA and the Potentially Responsible Parties (PRP's) was entered on June 11, 1991. The PRPs completed a design and then took the following actions at the direction of the agencies. In 1994, the PRPs dredged contaminants from the adjacent drainage ditches. In 1995, the PRPs excavated and incinerated 21,000 tons of contaminated soils and sediments, excavated and took off-site for disposal 484 drums and constructed a collection trench and a treatment plant for the groundwater. About 25 million gallons of contaminated water have been treated. Over the past few years contaminant levels have steadily declined at the site based on these findings, the PRPs have requested and submitted a proposal for natural attenuation and the agency is currently reviewing the proposal.

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**Region 5**

NPL Fact Sheet

**TRW, INC.
(MINERVA PLANT)**OHIO
EPA ID# OHD004179339EPA REGION 5
Stark County
Minerva16th Congressional District

Last Update: May, 1999

Site Description

The TRW Minerva site is located in a rural area within Minerva, Ohio (population 5,000), and is over 135 acres in size. A TRW facility, subsequently sold in 1986, produces aircraft components and is located on the property. Past disposal practices associated with the facility were responsible for the site contamination. Degreasers which contained volatile organic compounds (VOCs) were used by the facility and directly discharged to a ditch. Polychlorinated biphenyls (PCBs) were also used by the facility. The city of Minerva well field is located approximately one mile southwest of the site. In May, 1985, an Administrative Order on Consent (AOC) between the Ohio Environmental Protection Agency (OEPA) and TRW was used to remediate the surface soil and sediment. In May, 1986, a second AOC was agreed to by TRW and the OEPA to investigate and remediate the groundwater.

Site Responsibility: This site is being addressed through Federal, State, and potentially responsible parties' actions.

NPL Listing History: Proposed Date: 06/10/86
Final Date: 03/31/89

Threats and Contaminants

TRW began an investigation in 1981, and determined that PCBs and VOCs had contaminated soils and sediments and that VOCs had migrated to the groundwater. PCBs were discovered as high as 10,000 parts per million (ppm) and a wide variety of VOCs, as high as 2,000 ppm, including trichloroethene, 1,2 dichloroethene, 1,1,1 trichloroethane and others. Above acceptable OEPA levels, these contaminants could pose a health hazard if they are accidentally touched or ingested.

Cleanup Progress

The remedy for the soil and sediment consisted of a three acre on-site containment cell for the soils and sediments containing PCBs and VOCs. The PRP excavated over 25,000 cubic yards of soil and sediment for placement in the secure cell. Construction of the on-site containment cell was completed in May, 1986. The groundwater pump and treatment system was completed in February, 1987. Treatment consists of air stripping with effluent discharge through a National Pollution Discharge Elimination System (NPDES) permit. Approximately 5,000,000,000 gallons of groundwater has been treated since startup in 1987, with approximately 7,200 pounds of VOCs removed from the groundwater. Groundwater contamination, to date, has not affected the Minerva well field. Contamination within the groundwater has steadily decreased and additional enhancements, such as air sparging are planned for the Summer of 1997. The groundwater may reach cleanup numbers within five years.

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**Region 5**
NPL Fact Sheet**UNITED SCRAP
LEAD CO., INC.**OHIO
EPA ID# OHD018392928EPA REGION 5
Miami County
Troy8th Congressional District

Last Update: May, 1999

Site Description

From 1948 until 1980, the 25-acre United Scrap Lead (USL) Co., Inc. site, located in the city of Troy, Concord Township, Miami County, Ohio, was used to reclaim lead batteries. An estimated 32,000 cubic yards of crushed battery cases were generated and used as fill material. The battery acid and the rinse water were disposed of on-site. Beginning in 1972, the acid was neutralized with ammonia prior to discharge on-site. In 1974, the state recommended implementing a more effective on-site treatment system. USL did not implement the suggested treatment because operations ceased, and the facility was closed shortly thereafter. The USL site was proposed for listing on the National Priorities List (NPL) of hazardous waste sites on September 8, 1983, and was made final on the NPL on September 21, 1984. There are about 20,000 people who live in the area of the site. The city of Troy's water supply is furnished by a well located approximately two miles up gradient of the site.

Site Responsibility: This site is being addressed through Federal and potentially responsible parties' (PRPs) actions.

NPL Listing History: Proposed Date: 09/08/83
Final Date: 09/21/84

Threats and Contaminants

Current sampling and analysis of groundwater and residential wells indicates that there is no groundwater contamination at this time, due to site contamination. An estimated 56,000 cubic yards of lead-contaminated battery casing chips, and approximately 20,000 cubic yards of lead-contaminated soils remain on-site.

Cleanup Progress

In 1985, the U.S. Environmental Protection Agency (U.S. EPA) excavated contaminated soil and battery casings from the western portion of the site and moved them away from nearby residents to the interior of the site. A Remedial Investigation was conducted from January 1986, to February 1988. In August, 1988, the Feasibility Study was completed. A Record of Decision (ROD) was signed by the U.S. EPA on September 16, 1988. On September 12, 1991, an Administrative Order by Consent was executed under which certain PRPs constructed a fence around the perimeter of the USL Site to prohibit access. This action was an emergency protective

measure to eliminate direct contact with the hazardous materials at the USL site.

Following a December 1991, Order by the District Court, the PRPs/Defendants, the U.S. EPA and the Department of Justice entered into settlement negotiations. These negotiations continued for several years, while the U.S. EPA explored alternative remedies for the contaminated soil and battery casing chips. In August, 1992, the U.S. EPA implemented certain components of the 1988 ROD remedy, while the other components were being reconsidered. This first phase of the Remedial Action (Phase I - RA) addressed off-site contaminated areas, secured on-site soils and battery casing chips, and also secured other site-related areas, leaving only on-site contaminated soil and battery casing chips (within the area fenced during the 1991 emergency action), to be remediated. A ROD Amendment was signed on June 27, 1997, that revised the cleanup levels for lead-contaminated soils at the USL site. As a result, the projected costs for remediating the site have been revised downward to \$16.6 million from approximately \$74 million. Remedial Design (RD)/Remedial Action (RA) negotiations ended on July 31, 1998. The Settling Defendants signed a Consent Decree (CD) for RD/RA that was lodged in Federal court in Dayton, Ohio, on July 31, 1998, and entered on September 28, 1998. On April 23, 1998, the U.S. EPA issued a Notice of Authorization to Proceed with the RA. Completion of RA is scheduled for calendar year 1999.

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Region 5

NPL Fact Sheet

VAN DALE JUNKYARD

OHIO
EPA ID# OHD980794606

Last Update: May, 1999

EPA REGION 5
Washington County
1 ½ miles northeast of Marietta

Other Names:
Vandalis Junkyard

6th Congressional District

Site Description

The Van Dale Junkyard is located in Washington County, Ohio. The site occupies a 31-acre parcel of land, of which ten acres had been used for a junkyard. The site was a licensed junkyard since the early 1960's, and may have been operating since the 1940's. It received a variety of materials for disposal or salvage, including general wastes such as scrap metal, appliances, furniture, automobiles, tires, and batteries. Disposal records also indicate that, in the late 1970's, the site received several thousand drums of industrial waste. The site received wastes until 1980. Portions of Fearing and Marietta townships, and the entire city of Marietta are within a three-mile radius of the site. Approximately 10,000 people live within two miles of the site. The Remedial Investigation (RI) was initiated by the potentially responsible parties (PRP) in 1988, and Ohio Environmental Protection Agency (OEPA) assumed responsibility for completion of the RI in 1990. The Final RI Report was issued in 1992.

Site Responsibility: This site is being addressed through Federal and potentially responsible parties' actions.

NPL Listing History: Proposed Date: 10/15/84
Final Date: 06/10/86

Threats and Contaminants

The RI found that on-site sediments, soils, and solid wastes are contaminated with polycyclic aromatic hydrocarbons (PAHs), phthalates, volatile organic compounds (VOCs), and metals. On-site groundwater was found to be contaminated with various VOCs and metals.

Cleanup Progress

The EPA Region 5 issued a Unilateral Administrative Order (UAO) to the major potentially responsible parties (PRPs) in 1994 for Remedial Design and Remedial Action (RD/RA). Region 5 issued a second UAO to additional PRPs on October 16, 1995, for RD/RA. In 1997, the PRPs completed the off-site treatment and disposal action described in Region 5's 1994 Record of Decision (ROD). This action included the disposal of over 1,200 tons of hazardous soil and drum waste, over 650 tons of non-hazardous soil and drum waste, and treatment of hazardous and non-hazardous liquid waste and water. PRPs submitted their final design for the Final RA Report to Region 5 in January, 1997. The Region approved the PRPs' report in the same month.

Final construction activities began in April, 1997. The current remedy in the ROD calls for the installation of a Resource Conservation and Recovery Act (RCRA) Subtitle C hazardous waste cap of approximately five acres in size. Due to geological shifting in and around the proposed waste cap area, construction has been delayed. The PRPs conducted physical and environmental sampling and analysis. Based on the analytical results, the PRPs prepared a Modified, Final Design that was approved by the Region in February, 1999, after close consultation with the Ohio Environmental Protection Agency (OEPA) and the United States Army Corps of Engineers (USACE). The main, additional design feature of the Modified, Final Design is the construction of an earthen buttress beneath the cap to stabilize the capped area.

The PRPs restarted construction in May, 1999. Construction is expected to be complete by the end of the 1999 calendar year. Upon construction completion, the PRPs will be responsible for maintenance and monitoring to ensure that groundwater, surface water, and sediments clean-up standards are attained.

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**Region 5**
NPL Fact Sheet**ZANESVILLE
WELL FIELD****OHIO**
EPA ID# OHD980794598**EPA REGION 5**
Muskingum County
Northeast of Zanesville**18th Congressional District**

Last Update: May, 1999

Site Description

The one-acre Zanesville Well Field site supplies water to the city of Zanesville and is adjacent to the Muskingum River. In 1981, the state found that three of the thirteen production wells were highly contaminated. A groundwater study conducted by Ohio Environmental Protection Agency (OEPA) identified trichloroethylene (TCE) as a primary contaminant. The city took the three contaminated wells out of service and began flushing to remove contaminants remaining in the water lines. By 1982, the contaminated wells still were not in use, but were being continually pumped to reduce the contamination and to prevent its further migration into the well field. A nearby production well also was not in use because of the danger of contamination. The city conducts a regular monitoring program at the site. A neighboring industry, after studying its operation, began to excavate buried wastes and to treat local groundwater. Approximately 40,000 people reside within three miles of the site. Fourteen city wells supply water to the population.

Site Responsibility: This site is being addressed through Federal, State, local, and potentially responsible parties' actions.

NPL Listing History: Proposed Date: 12/30/82
Final Date: 09/08/83

Threats and Contaminants

The groundwater and soil contain volatile organic compounds (VOCs). The soil also contains some heavy metals. Accidentally ingesting or coming into direct contact with contaminants could pose a potential health threat.

Cleanup Progress

An investigation to determine the nature and extent of contamination and to identify alternatives for final cleanup was completed in 1991. Cleanup remedies include pumping and treating the groundwater with discharge of treated water into the Muskingum River, metal contaminated soil removal, and extracting VOCs from the soil through vapor extraction. The responsible parties' (RPs) design was completed in 1995. The design included an additional cleanup task, not required in the Record of Decision (ROD) that would enhance the soil vapor extraction and speed up the cleanup. EPA approved this addition. The addition appears to increase the extraction of soil VOC contaminants by several pounds per hour. The potentially responsible party (PRP) cleanup activities started in 1995, and were completed in 1996. The pump and treat and the vapor extraction systems are still operating.

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**Region 5**

NPL Fact Sheet

**MIAMI COUNTY
INCINERATOR****OHIO**

EPA ID# OHD980611800

Last Update: May, 1999

EPA REGION 5Miami County
2 miles north of Troy**8th Congressional District**

Site Description

The 65-acre Miami County Incinerator site, located in Miami County, Ohio, contains five areas of concern including: the South Landfill; the North Landfill; the Liquid Disposal Area; the Ash Disposal Pit; the Ash Pile; and the Groundwater. The incinerator and landfills were opened in 1968, to process and dispose of municipal and industrial wastes. Combustible wastes were to be incinerated and the non-combustible wastes were to be land filled, however large volumes of combustible wastes were land filled along with non-combustible wastes. Liquid wastes including waste oils and solvents were dumped or buried on-site. A contaminated plume of organic chemicals flows from the liquid disposal area into the Great Miami River. This plume contaminated wells of many residents who live near the site. Municipal wells serving 19,000 people are located within three miles of the site. The plume contaminates a sole source aquifer.

Site Responsibility: This site is being addressed through Federal and potentially responsible parties' actions.

NPL Listing History: Proposed Date: 09/08/83
Final Date: 09/21/84

Threats and Contaminants

Volatile organic compounds (VOCs) and heavy metals including arsenic, barium, and cadmium were detected in groundwater near the Liquid Disposal Area. Sediments along the unnamed creek are contaminated with pesticides and polychlorinated biphenyls (PCBs). VOCs, polycyclic aromatic hydrocarbons (PAHs), PCBs, dioxins, pesticides, and heavy metals including arsenic, lead, cadmium, and chromium were detected in soil below the surface of the Liquid Disposal Area. Potential health risks exist for those who ingest contaminated water or soil. Cleanup workers and children playing on the site may be most at risk. However, the site does have ground cover, lessening the opportunity for direct contact with the soil.

Cleanup Progress

The potentially responsible parties (PRPs) voluntarily connected residents with affected wells to city water in 1989-1990. A Consent Decree (CD) between USEPA and the PRPs was lodged with the court on December 18, 1989. The CD was not entered by the court until March 30, 1993. The PRPs then took the following actions. The Remedial Action (RA) was designed in 1993-1994. In 1994, the Ash pit was capped with an impermeable cap. In 1995, the Ash Pile was placed on the South Landfill which was then capped. In 1996, the North Landfill and Liquid Disposal areas were capped, a soil vapor extraction system was installed in the Liquid Disposal area and a groundwater extraction and treatment system was installed. Between 4,000,000 and 6,000,000 gallons of contaminated groundwater are being extracted and sent to the Troy treatment plant each month. Treatment will continue until groundwater standards are met which may take 10 to 15 years.

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Region 5

NPL Fact Sheet

NEASE CHEMICAL

OHIO
EPA ID# OHD980610018

Last Update: May, 1999

EPA REGION 5
Columbiana County
Salem

Other Names:
Ruetgers Nease Chemical Company/
Salem Plant

17th Congressional District

Site Description

The Nease Chemical site is located 2.5 miles northwest of the city of Salem, Ohio, in northern Columbiana County. The site covers approximately 44 acres and is surrounded by lightly developed land on three sides and an industrial plant to the northeast and 124 homes located within one mile of the site. Between 1961 and 1973, Nease Chemical produced various chemical compounds including household cleaning compounds, fire retardants, and pesticides (most notably mirex, a probable human carcinogen). During the facility's operation, hazardous substances were released to the soils and groundwater through five unlined ponds on-site that were used to treat manufacturing process waste. Contaminants were also released to the soils and groundwater when hazardous substances escaped from drums that had been buried on-site. Contamination was released to the Middle Fork of Little Beaver Creek (MFLBC) through surface water runoff from the ponds into creek tributaries that run through the site. U. S. Environmental Protection Agency (USEPA) and Ohio Environmental Protection Agency (OEPA) conducted investigations and inspections on and around the Nease property and documented contamination of soils, sediments, surface water, groundwater and fish along a thirty-mile reach of MFLBC. The MFLBC, its ecological corridor and associated wetlands are considered an important natural resource to this region with certain stretches designated as wild and scenic.

Site Responsibility: This site is being addressed through Federal and potentially responsible parties' actions.

NPL Listing History: Proposed Date: 12/30/82
Final Date: 09/08/83

Threats and Contaminants

Groundwater, soil, and sediments are contaminated with volatile organic compounds (VOCs) and semi-VOCs. A 1987 USEPA study showed contamination of fish, creek and adjacent floodplains sediments with mirex, a pesticide and fire retardant. Dairy herds on two nearby farms were also affected by mirex through exposure to creek and floodplain contamination. Access to the site and certain off-site areas are restricted by fencing and bridges. In 1989, the Ohio Department of Health (ODH) detected concentrations of mirex in the bloodstream of some local residents/workers. The ODH subsequently issued a health advisory against fishing and swimming along certain portions of the MFLBC.

Cleanup Progress

Nease Chemical closed the facility in 1975 pursuant to a Consent Order with OEPA to address its wastewater violations. During that time, Nease voluntarily drained the ponds, removed 115 buried drums and 5,700 cubic yards of soil from two highly contaminated areas onsite, and preliminarily assessed the nature and extent of contamination. Pursuant to the Administrative Order by Consent (AOC), effective February, 1988, Nease (now Ruetgers-Nease Corp.) is conducting a multi-phase Remedial Investigation/Feasibility Study (RI/FS) which is being overseen by USEPA and OEPA. The study has included: installation and seasonal monitoring of a 70-well groundwater and residential monitoring system; air monitoring, geophysical-cal studies, extensive onsite and offsite soil and sludge sampling, pond and MFLBC tributary sediment sampling. Additional phases included in-depth studies of mirex and related compounds in fish, sediments, water and floodplain soils along the 30-mile stretch, investigation of habitats and endangered species along the MFLBC ecological corridor, and hydrogeologic investigation of Dense Non-Aqueous Phase Liquids (DNAPL) in groundwater. To abate the immediate threat to human health and the environment posed by surface water runoff and sediment migration (a major transport mechanism of mirex), a removal AOC was effected November, 1993, whereby Nease installed a leachate collection and on-site treatment system, numerous sediment barriers and surface water diversion structures. Sediment studies have confirmed the effectiveness of these removal actions until they are integrated into a site-wide final remedial solution. Current status-removal system remains in operation. Remedial Investigation/Risk Assessment is in progress. Record of Decision (ROD) scheduled in second quarter of FY 2000.

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Region 5

NPL Fact Sheet

NEW LYME LANDFILL

OHIO
EPA ID# OHD980794614

Last Update: May, 1999

EPA REGION 5
Ashtabula County
New Lyme

Other Names:
Ashtabula County Waste, Inc.

11th Congressional District

Site Description

The New Lyme Landfill Superfund site is on Dodgeville Road, approximately twenty miles south of the city of Ashtabula, Ohio. The landfill began operations in 1969. The site was initially managed by two farmers. The landfill was licensed by the state of Ohio, and operations were taken over by a licensed landfill operator in 1971. During its years in operation, the New Lyme Landfill received household, industrial, commercial, and institutional wastes and construction and demolition debris. Fifty-five gallon drums of cyanide sludge are believed by Ohio Environmental Protection Agency (OEPA) to have been buried at the site. Documents indicate that wastes at the New Lyme Landfill site include: coal tar distillates, asbestos, coal tar, resins and resin tar, paint sludge, oils, paint, chlorinated solvents, 2,4-D and laboratory chemicals. In August, 1978, the landfill was closed by the Ashtabula County Health Department due to recurrent violations of the license, the Ohio Revised Code, and the Ohio Administrative Code. The site lies entirely within the Lebanon Creek Watershed. The northern portion of the site drains directly into Lebanon Creek. The remainder of the site drains southward to an unnamed tributary of Lebanon Creek. Lebanon creek drains into Rock Creek, upstream of Lake Roaming Rock, a public water supply.

Site Responsibility: This site is being addressed through Federal actions.

NPL Listing History: Proposed Date: 12/30/82
Final Date: 08/30/90

Threats and Contaminants

Data collected during the Remedial Investigation (RI) indicated contamination in the soil, groundwater, and leachate from the landfill. The principal contaminants found were ethyl benzene, toluene and polynuclear aromatic hydrocarbons (PNAs).

Cleanup Progress

In September 1985, USEPA issued a Record of Decision (ROD) which included:

- Installation of a Resource Conservation and Recovery Act (RCRA) cap over the landfill.
- Installation of extraction/treatment wells around the perimeter of the landfill to dewater the landfill and eliminate leachate production. Wells to operate indefinitely.
- On-site treatment of contaminated groundwater and leachate using rotating biological contractors, sodium hydroxide precipitation, and granulated activated carbon until leachate is no longer produced and treatment becomes unnecessary (estimate of 15 years).
- On-site consolidation of contaminated sediment.
- Gas control, fence, groundwater monitoring.

The remedy was implemented between 1990 and 1994, when the site transferred to operation and maintenance. The state of Ohio now has primary responsibility for the operation of the facility. USEPA and a group of potentially responsible parties (PRPs), led by Rockwell International, have arrived a settlement agreement in principal, to settle past costs and the future management of the site. The PRPs took over the management of the site from OEPA in early 1997. The PRPs have also undertaken a field study of site conditions in an effort to persuade USEPA to modify the current remedy from containment to natural attenuation and has presented a report to USEPA and OEPA for review. The agencies are finalizing the remedy modifications which will include changes in the enforcement agreement with the PRPs.

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Attachment IV

Recycling Superfund Sites
Sites Returned to Productive Use

Site Name and Location	NPL Status	Reuse Category	Pre-Cleanup Use	Post-Cleanup Use
ALASKA				
Standard Steel & Metals Salvage Yard (US Department of Transportation), Anchorage, AK	NPL	Actual Use	Scrap yard	Parking and storage
ARIZONA				
Indian Bend Wash Area, Scottsdale/Tempe/Phoenix, AZ	NPL	Actual Use	Groundwater contamination	Student dormitory for Arizona State University and a portion of a state highway
Phoenix Goodyear Airport, Goodyear, AZ	NPL	Actual Use	Airport	Prefabricated homes manufacturing (Cawco Company)
CALIFORNIA				
Coalinga	Deleted	Actual Use	Asbestos processing area	K-Mart and residential community
CTS Printer, Inc. Mountain View, CA	NPL	Continued Use	Circuit board manufacturer	Circuit board manufacturer
Del Amo Facility, Los Angeles, CA	Non-NPL	Actual Use	Rubber plant	Commercial complex
Felchold Semiconductor, Mountain View, CA	NPL	Actual Use	Semiconductor solvent storage	Commercial development of research and office facilities
Firestone Tire & Rubber Co. (Salinas Plant), Salinas, CA	NPL	Actual Use	Firestone Tire & Rubber Co. operated a tire-manufacturing plant. The site includes a 43-acre building on 256 acres of land.	Industrial park
George Air Force Base (GAFB), Victorville, CA	NPL	Actual Use	Military Base	BRAC facility, Major cargo hub, planned prison, and police headquarters and training academy
Lorentz Barrel & Drum Co., San Jose, CA	NPL	Planned Use	Lorentz Barrel & Drum Co. recycled drums on this 5-acre site	Planned parking lot for neighboring sports venues
McColl, Fullerton, CA	NPL	Actual Use	Waste disposal facility	Golf course and wildlife sanctuary
Norton Air Force Base, San Bernardino, CA	NPL	Actual Use	Military base	BRAC facility, public/private mixed use

**Recycling Superfund Sites
Sites Returned to Productive Use**

Site Name and Location	NPL Status	Reuse Category	Pre-Cleanup Use	Post-Cleanup Use
Sacramento Army Depot, Sacramento, CA	NPL	Actual Use	Military base	BRAC facility, Packard Bell assembly/ distribution plant, and Foodlink warehouses
South Bay Asbestos, San Jose, CA	NPL	Planned Use	Asbestos-contaminated fill used in areas of city	Planned R&D offices, retail, light industrial, restaurant uses
Treasure Island Naval Station (Hunters Point), San Francisco, CA	NPL	Actual Use	Military base	BRAC facility; The San Francisco Police Department uses the site as a crime lab; artists and caterers lease several properties, at the dry dock, a metals-recycler dismantles Navy ships
COLORADO				
California Gulch, Leadville, CO	NPL	Actual Use	Mining	Tourism and recreational use
Denver Radium, Denver, CO	NPL	Actual Use	Radium processing facility, then brick manufacturing facility	Home Depot retail store
Smuggler Mountain, Aspen, CO	NPL	Actual Use	Silver and lead mines	Homes and historic tour service
Rocky Mountain Arsenal, Commerce City, CO	NPL	Actual Use	Military base and manufacturing complex	Wildlife refuge
Central City Clear Creek, Central City, CO	NPL	Actual Use	Mining	Outdoor recreation, casinos, hotels, and restaurants
Summitville Mine, Summitville, CO	NPL	Actual Use	Abandoned gold mine	Agricultural
CONNECTICUT				
Raymark Industries Stratford, CT	NPL	Planned Use	Automotive parts manufacturer	Planned retail shopping center
Cheshire Ground Water Contamination, Cheshire, CT	Deleted	Actual Use	Plastic molding manufacturing facility	Automotive parts manufacturer
DELAWARE				
Army Creek Landfill, New Castle, DE	NPL	Actual Use	Municipal and hazardous waste disposal facility	Wildlife enhancement area and wetlands
Delaware Sand and Gravel, New Castle, DE	NPL	Actual Use	Industrial waste landfill	Equipment storage
Dover Gas, Dover, DE	NPL	Restored Use	Coal gasification plant; then parking lot for museum	A museum and parking lot

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**Recycling Superfund Sites
Sites Returned to Productive Use**

Site Name and Location	NPL Status	Reuse Category	Pre-Cleanup Use	Post-Cleanup Use
E.I. DuPont Newport Newport, DE	NPL	Continued Use	Pigment manufacturer	Pigment manufacturer
NCR Corp (Milleboro Plant) Millsboro, DE	NPL	Continued Use	Electronic component plant and later a credit card company	First Freedom Center - Major credit card processing facility
New Castle Spill, New Castle, DE	Deleted	Actual Use	Chemical storage and processing area	New headquarters for the New Castle Department of Public Works
Standard Chlorine, DelaWare City, DE	NPL	Continued Use	Chemical manufacturer	Chemical manufacturer
Tybouts Corner Landfill, Wilmington, DE	NPL	Actual Use	Sand and gravel operation accepted municipal and industrial wastes	Wildlife habitat
Wildcat Landfill, Dover, DE	NPL	Actual Use	Disposal facility for municipal and industrial waste	Wildlife habitat and wetlands
FLORIDA				
Alpha Chemical Corp. Galloway, FL	Deleted	Continued Use	Polyester resin manufacturer	Polyester resin manufacturer
Cabot Carbon/Koppers, Gainesville, FL	NPL	Planned Use	Wood treater	Planned Dodge dealership
Cecil Field Naval Air Station, Jacksonville, FL	NPL	Actual Use	Military base	BRAC facility, Computer-based training software and technical manuals shop and jet component repair shop
City Industries, Inc., Orlando, FL	NPL	Actual Use	Recycling and transferring station	Sheet metal work, other industrial use
Miami Drum Services, Miami, FL	NPL	Actual Use	Drum recycling business	Dade County maintenance and repair yard
Northwest 58th Street Landfill, Miami, FL	Deleted	Actual Use	Municipal landfill/incinerator	Ecological reuse and hiking trails
Parramore Surplus, Mt. Pleasant, FL	Deleted	Continued Use	Storage and distribution facility for Navy and Air Force surplus equipment	Storage and distribution facility for Navy and Air Force surplus equipment
Stauffer Chemical, Tarpon Springs, FL	NPL	Planned Use	Phosphorus manufacturer	Planned golf course
Tri-City Oil Conservation, Tampa, FL	Deleted	Actual Use	Waste oil collection and distribution center	Gas/service station

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Recycling Superfund Sites
Sites Returned to Productive Use

Site Name and Location	NPL Status	Reuse Category	Pre-Cleanup Use	Post-Cleanup Use
GEORGIA				
Luminous Processes, Inc., Athens, GA	Deleted	Actual Use	Watch factory	McDonalds restaurant
Marzone, Inc., Tifton, GA	NPL	Actual Use	Chemical company	Auto service company
Monsanto Corporation (Augusta), Augusta, GA	Deleted	Continued Use	Industrial facility	Industrial facility
Woolfolk Chemical Works, Fort Valley, GA	NPL	Actual Use	Chemical plant	Library and planned literacy center
IDAHO				
Bunker Hill Mining, Smelterville, ID	NPL	Actual Use	Mine, mill and concentrator, lead smelter, electrolytic zinc plant, phosphoric acid and fertilizer plant, cadmium plant, and sulfuric acid plants	Native, coniferous forest; development of nearby ski area facilitated construction of a gondola on site
ILLINOIS				
Circle Smelting Corporation, Beckemeyer, IL	Proposed	Actual Use	Zinc smelter	Parking lot for local trucking company
Dupage County Landfill/Blackwell Forest Preserve, Warrenville, IL	NPL	Actual Use	Municipal landfill	Recreation area with picnic and camping areas, trails, a lake and a 120-foot sledding and hiking hill
Peterson Sand & Gravel, Libertyville, IL	Deleted	Actual Use	Quarry	Lake/outdoor recreation area that will include an educational center, banquet rooms, boat launch, canoes, picnic area, swimming beach and hiking trails
INDIANA				
Columbus Old Municipal Landfill #1, Columbus, IN	NPL	Actual Use	Landfill	Portion of site used in expansion of major highway
Continental Steel Corp., Kokomo, IN	NPL	Actual Use	Steel scrap reclamation	Just-a-Wee floral warehouse
International Minerals Company, Terre Haute, IN	NPL	Actual Use	Chemical plant	Little-league ball fields

**Recycling Superfund Sites
Sites Returned to Productive Use**

Site Name and Location	NPL Status	Reuse Category	Pre-Cleanup Use	Post-Cleanup Use
Southside Sanitary Landfill, Indianapolis, IN	Deleted	Actual Use	Landfill	Landfill; methane gas supplier to Rolls Royce jet engine factory
Whiteford Sales and Service/ National Lease (WSS), South Bend, IN	Deleted	Actual Use	Truck washing and leasing facility	Highway overpass
IOWA				
Aidex Corporation, Council Bluffs, IA	Deleted	Actual Use	Pesticide production facility	Equipment storage
LeBounty Site, Charles City, IA	Deleted	Actual Use	Manufacturer of veterinary pharmaceuticals	Equipment Storage for Construction Company
KANSAS				
Arkansas City Dump, Arkansas, KS	Deleted	Actual Use	Refinery/hump	Restaurant; industrial park in continued use
Cherokee County Cherokee County, KS	NPL	Actual Use	Mining	Wildlife enhancement area
LOUISIANA				
Agriculture Street Landfill, New Orleans, LA	NPL	Continued Use	Residential and commercial development occurred over a landfill that closed in 1958	The site area includes both private and public housing, an elementary school, community center, and commercial businesses. Cleanup is underway.
Bayou Bontouca, Slidell, LA	NPL	Actual Use	Wood treating facility	Local government offices and equipment storage; boat landing and recreational area
PAB Oil & Chemical Service, Inc., Abbeville, LA	NPL	Planned Use	Oil field waste disposal area	Planned driving range
MAINE				
Bangor Gas Works, Bangor, ME	Non-NPL	Actual Use	Coal gasification plant	Shaw Supermarket; community park
Loring Air Force Base, Limestone, ME	NPL	Actual Use	Military base	BRAC facility; public/private mixed use
Seco Maine Municipal Landfill, Saco, ME	NPL	Planned Use	Municipal landfill	Planned community recreational center

Recycling Superfund Sites
Sites Returned to Productive Use

Site Name and Location	NPL Status	Reuse Category	Pre-Cleanup Use	Post-Cleanup Use
MARYLAND				
Chemical Metals Industries, Baltimore, MD	Deleted	Actual Use	Precious metals recovery facility and gas station	Neighborhood park with parking area, Maryland Department of Environmental Protection field office Golf driving range
Kane & Lombard, Baltimore, MD	NPL	Actual Use	Landfill	
Mid-Atlantic Wood Preservers, Harmons, MD	NPL	Actual Use	Wood treatment facility	Parking lot for neighboring industry
MASSACHUSETTS				
Army Materials Technological Laboratory (US ARMY), Watertown, MA	NPL	Planned Use	Military base	BRAC facility; Planned yacht club, business center, public park, and weapons research
Cannon Engineering Corporation, Bridgewater, MA	NPL	Actual Use	Waste disposal facility	Propane distribution business
Fort Devens, Fort Devens, MA	NPL	Actual Use	Military base and training complex	BRAC facility; Public/private mixed use; warehouse and distribution center; research and development facilities for general computer and graphics firms, a jobs corps Center, a wildlife refuge, and army training site
Fort Devens - Sudbury Annex, Sudbury, MA	NPL	Actual Use	Military base and training annex to Fort Devens	BRAC facility; Wildlife refuge
Industri-Plex, Woburn, MA	NPL	Planned Use	Chemical manufacturer	Planned Target retail store
South Weymouth Naval Air Station (SWNAS), Weymouth, MA	NPL	Planned Use	Military base	BRAC facility; Planned shopping mall and entertainment center, office space, elderly housing, shelter for the homeless, a golf course, and recreational and open space
MICHIGAN				
Allied Paper/Portage Creek/ Kalamazoo River, MI	NPL	Restored Use	Paper mill	Organic roofing material manufacturer
Anderson Development Co. Adrian, MI	Deleted	Continued Use	Specialty chemical manufacturer	Specialty chemical manufacturer
Folkertama Refuse, Grand Rapids, MI	Deleted	Continued Use	Sanitary and industrial landfill; pallet manufacturer	Pallet manufacturer

Recycling Superfund Sites
Sites Returned to Productive Use

Site Name and Location	NPL Status	Reuse Category	Pre-Cleanup Use	Post-Cleanup Use
H. Brown Company, Inc., Kent, MI	NPL	Actual Use	Nonferrous metals reclamation	Warehouse and light industrial complex
Hedburn Industries, Oscoda, MI	NPL	Actual Use	Automobile parts manufacturer	Aircraft tool company
Lower Ecorse Creek Dump, Wyandotte, MI	NPL	Continued Use	Residential	Residential
Wurtsmith Air Force Base, Oscoda, MI	Proposed	Actual Use	Military base	BRAC facility; Commercial use
MINNESOTA				
Boise Cascade/Onan Corp./Medtronics, Inc., Fridly, MN	Deleted	Continued Use	Railroad tie and pole treatment until the 1960's, Power generator system manufacturer and corporate headquarters of medical products manufacturer	Power generator system manufacturer and corporate headquarters of medical products manufacturer
General Mills/Henkel Corp., Minneapolis, MN	NPL	Actual Use	Technical center and research laboratories	Business enterprise development facility supporting nearly 100 start-up businesses
Koppers Coke, Oroville, MN	NPL	Actual Use	Coking facility	Hi-tech industrial park
MacGillis & Gibbs Co/ Bell Lumber and Pole Site, New Brighton, MN	NPL	Actual Use	Manufacturing plant	Purchased by City of New Brighton for public, commercial, and industrial use
NL IND Taracorp Golden Auto, St. Louis Park, MN	NPL	Actual Use	Lead smelter	Parking lot for adjacent hospital
Reilly Tar & Chem (St. Louis Park Plant), Plehnopin, MN	NPL	Actual Use	Creosole production plant	Park, apartment building, town homes
Waite Park Wells, Waite Park, MN	NPL	Actual Use	Burlington Northern railroad	City owned little league baseball fields; planned indoor recreation facility, office warehouses, and office buildings
Whittaker Corp., Minneapolis, MN	Deleted	Actual Use	Industrial coating manufacturer	Welding supply company
Union Scrap, Minneapolis, MN	Deleted	Actual Use	Lead battery recycler	Parking lot for supply company

Recycling Superfund Sites
Sites Returned to Productive Use

Site Name and Location	NPL Status	Reuse Category	Pre-Cleanup Use	Post-Cleanup Use
MISSISSIPPI Flowood Site, Flowood, MS	Deleted	Continued Use	Manufacturing plant	Manufacturing plant
MISSOURI Fulbright Landfill, Springfield, MO	NPL	Planned Use	Municipal landfill	Planned walking trails
Oronogo-Quenweg (Jasper Co), Jasper County, MO	NPL	Actual Use	Mining	Scrap metal recycling center, Missouri Dept. of Transportation plans to use a portion of the site to construct a highway
Times Beach Site, Times Beach, MO	NPL	Actual Use	The City of Times Beach with widespread road contamination	Waterfowl sanctuary, horse back riding
Wheeling Disposal Service Co. Landfill, Anazonia, MO	NPL	Actual Use	Industrial waste disposal facility	Wildlife reserve
MONTANA Anaconda Company Smelter, Anaconda, MT	NPL	Actual Use	Smelting operations	Golf course
East Helena, East Helena, MT	NPL	Actual Use	Lead smelter contamination	School constructed; planned residential and commercial areas; baseball field
Milltown Reservoir, Milltown, MT	NPL	Actual Use	Tailings pile	Wildlife/recreational/educational area with a trail system including a foot bridge across an existing reservoir
Silver Bow Creek, Silver Bow/Deer Lodge County, MT	NPL	Actual Use	Mine	Bat fields, wetlands
NEBRASKA Hastings Groundwater Contamination, Hastings, NE	NPL	Actual Use	Contaminated groundwater, agricultural, industrial, and residential uses	Treated groundwater used in cooling operations at local power plant and to water an area park; continued agricultural, industrial, and residential uses
Lindsay Manufacturing Co., Lindsay, NE	NPL	Actual Use	Manufacturing plant; contaminated groundwater	Treated groundwater re-directed for crop irrigation

**Recycling Superfund Sites
Sites Returned to Productive Use**

Site Name and Location	NPL Status	Reuse Category	Pre-Cleanup Use	Post-Cleanup Use
NEW HAMPSHIRE Pease Air Force Base, Portsmouth/Newington, NH	NPL	Actual Use	Military base	BRAC facility; 1,110 acres National wildlife refuge; 3,265 acres available to Pease Development Authority; commercial airport and high technology/ corporate center
NEW JERSEY American Cyanamid Company, Bound Brook, NJ	NPL	Planned Use	Industrial waste disposal facility	Planned 6,300 seat minor league baseball stadium and 700,000 square feet of retail/hotel or office space
Cooper Road, Voorhees Township, NJ	Deleted	Actual Use	Midnight dumping area	Residential
DeReval Chemical Company, Kingwood Township, NJ	NPL	Actual Use	Chemical manufacturing	Part of the site will be used as a bike path
Lipari Landfill, Pittman, NJ	NPL	Actual Use	Chemical waste dump	Recreational area
Vineyard State School, Vineyard, NJ	Deleted	Continued Use	Unregulated incinerator and landfill located at school for mentally handicapped women	School for mentally handicapped women
NEW YORK Kenmark Textile Corporation Farmingdale, NY	NPL	Continued Use	Textile dye printing, and screening	Textile dye, printing, and screening
Love Canal, Love Canal, NY	NPL	Restored Use	Industrial landfill; residential	Residential; light commercial industry
Marathon Battery, Cold Spring, NY	Deleted	Actual Use	Nickel-cadmium battery plant	Purchased by Hudson River Scenic Land in order to preserve wildlife area
Old Bathpage Landfill, Oyster Bay, NY	NPL	Actual Use	Landfill	Waste transfer station; commercial methane gas supplier
Rosen Brothers Scrap Yard/Dump, Corland, NY	NPL	Planned Use	Wire manufacturing and scrap yard	Part of the site (5 acres) will be used for an access road to an intermodal rail facility
SMS Instruments, Inc., Dear Park, NY	NPL	Actual Use	Metal degreasing and refurbishing operations	Kitchen, bathroom, and household utensils manufacturer

Recycling Superfund Sites
Sites Returned to Productive Use

Site Name and Location	NPL Status	Reuse Category	Pre-Cleanup Use	Post-Cleanup Use
Tronic Plating Company, Farmingdale, NY	NPL	Actual Use	Electroplating and anodizing services	Small businesses on the site
Wide Beach Development, Brant, NY	Deleted	Continued Use	Residential	Residential
NORTH CAROLINA				
Celaneas Corporation, Shelby, NC	Partially Deleted	Continued Use	Chemicals, fibers and plastics manufacturer	Manufacturer of polyester resin and fiber
OHIO				
Bowers Landfill, Circleville, OH	Deleted	Actual Use	Landfill	Wetlands
OREGON				
Martin-Marietta Aluminum Co., The Dalles, OR	Deleted	Restored Use	Aluminum production	Aluminum production
PENNSYLVANIA				
Center County Kepone, State College Borough, PA	NPL	Actual Use	Chemical manufacturer	Sidewalk, road improvements and storm piping system
Commodore Semiconductor Group Site, Norstown, PA	NPL	Restored Use	Semi-conductor chip manufacturer	Prospective Purchaser Agreement with EPA enabled a new owner to reopen the bankrupt semiconductor chip manufacturing plant
Crossley Farms, Hersford Township, PA	NPL	Continued Use	Farm	Farm
Drake Chemical, Lock Haven, PA	NPL	Continued Use	Specialty and chemical manufacturer	Specialty and chemical manufacturer
Enterprise Avenue, Philadelphia, PA	Deleted	Planned Use	Unauthorized dumping ground for sludge, solvents, oils and resins	Planned commuter runway at Philadelphia International Airport under construction
Hellertown Manufacturing Co., Hellertown, PA	NPL	Actual Use	Spark plug manufacturer	Small manufacturer
Kimberton Site, Kimberton Borough, PA	NPL	Continued Use	Asphalt manufacturer	Asphalt manufacturer

**Recycling Superfund Sites
Sites Returned to Productive Use**

Site Name and Location	NPL Status	Reuse Category	Pre-Cleanup Use	Post-Cleanup Use
Metropolitan Mirror and Glass, Flackville, PA	NPL	Continued Use	Glass manufacturer until 1982; St. Jude Polymer began recycling plastic bottles in 1987	St. Jude Polymer Co. continues to recycle plastic bottles
Mill Creek Dump, Erie, PA	NPL	Planned Use	Dump for foundry sands, solvents, waste oils, and other industrial and municipal wastes	Planned golf course
North Penn Area 12 Site Worcester, PA	NPL	Planned Use	Electric motor manufacturer	Planned tool catalog sales distribution operation
Ohio River Park, Neville, PA	NPL	Actual Use	Dumping ground for coke, cement, pesticides, coal tar, benzene, arsenic, mercury and phenols	Sports-recreation center with two indoor ice-skating rinks has been constructed and is in use; other recreational facilities are under construction
Publicker Industries Inc., Philadelphia, PA	NPL	Planned Use	Alcohol distillation and production	Planned construction of a \$250 million multi- purpose shipping terminal in the Port of Philadelphia expansion project
Resin Disposal Jefferson Borough, PA	NPL	Planned Use	Landfill	Methane gas collection facility and bird habitat
Revere Chemical, Nockamixon Township, PA	NPL	Actual Use	Metals reclamation company	Migratory birds habitat
Seagertown Industrial Area, Seagertown, PA	Partially Deleted	Continued Use	Polymer manufacturing facility	Polymer manufacturing facility
Stanley Kessler (King of Prussia), King of Prussia, PA	NPL	Continued Use	Welding wire manufacturing operation	Welding wire manufacturing operation
Westinghouse, Sharon, PA	NPL	Actual Use	Electrical equipment manufacturer	Sheet galvanizing plant; tubular products warehouse
Westinghouse Elevator Company Plant, Gettysburg, PA	NPL	Continued Use	Elevator manufacturer	Elevator manufacturer
Westline Site Westline, PA	Deleted	Continued Use	Wood processing facility and chemical plant; the Westline Inn opened on-site in the 1950's	Westline Inn - hotel, restaurant, and recreation area

**Recycling Superfund Sites
Sites Returned to Productive Use**

Site Name and Location	NPL Status	Reuse Category	Pre-Cleanup Use	Post-Cleanup Use
PUERTO RICO Naval Security Group Activity, Sabana, PR	Deleted	Actual Use and Continued Use	Naval communications station; Public Works Department and Pest Control Shop area contaminated with pesticides	Naval communications station; pesticide contamination area remediated and asphalt cap used for parking
RHODE ISLAND Davisville - NBCB, North Kingston, RI	NPL	Actual Use	Military base	BFAC facility; beverage warehouse, public works garage, plastic/metal recycling facility, plastic film manufacturing, current port & commerce park w/ room for expansion
Peterson-Puritan, Cumberland, RI	NPL	Actual Use	Several manufacturing plants	Prospective Purchaser Agreement with EPA enabled a new company to occupy a closed manufacturing facility at the site
SOUTH CAROLINA Carolawn, Inc., Fort Lawn, SC	NPL	Actual Use	The Carolawn, Inc. site is an abandoned 3-acre waste storage and disposal facility that was owned by various companies until the Carolawn Company bought the site in 1977.	Turkey feed mill
Independent Nail Company Beaufort, SC	Deleted	Restored Use	Screw and fastener manufacturing	Panel nail coating operation
Lexington County Landfill, Cayce, SC	NPL	Actual Use	Landfill	Golf driving range
Rock Hill Chemical Co., Rock Hill, SC	NPL	Actual Use	Solvent distillation facility	Automotive services
SOUTH DAKOTA Whitehead Creek, Whitehead, SD	Deleted	Continued Use	Mining area and tailings dumps; residential properties; creek used for irrigation, watering livestock and recreation	Residential properties; creek used for irrigation, watering livestock and recreation

**Recycling Superfund Sites
Sites Returned to Productive Use**

Site Name and Location	NPL Status	Reuse Category	Pre-Cleanup Use	Post-Cleanup Use
TEXAS				
Crystal City Airport, Crystal City, TX	Deleted	Restored Use	Private airport and crop dusting operation	Public airport
French, Ltd., Crosby, TX	NPL	Actual Use	Waste pit	Management consulting firm and nature walks and fishing
RSR Corporation, Dallas, TX	NPL	Actual Use	Smelter	Retail shopping center
UTAH				
Monticello Mill Tailings, Monticello, UT	NPL	Planned Use	Vanadium mill	Planned golf course
Pallas Yard, Murray City, UT	Proposed	Planned Use	Freight railyard	Planned commuter light rail
Tooele Army Depot, Tooele, UT	NPL	Actual Use	Consolidated maintenance facility	BRAC facility; Detroit Diesel engine refurbishing plant
VIRGINIA				
Abex, Portsmouth, VA	NPL	Planned Use	Railroad bearings casting plant	Planned police and fire department headquarters and recreation center
Atlantic Wood Industries, Portsmouth, VA	NPL	Continued Use	Lumberyard	Lumberyard and pre-stressed concrete operations
Chisman Creek, Seaford, VA	NPL	Actual Use	Disposal area for fly ash	Recreational park facility with sports fields and walking trails
Saunders, Chuckatuck, VA	NPL	Continued Use	Lumber yard	Lumber yard; plant nursery
WASHINGTON				
ALCOA (Vancouver Smelter), Vancouver, WA	Deleted	Continued Use	Aluminum smelter and disposal areas	Aluminum smelter
American Crossarm, Chehalis, WA	NPL	Actual Use	Smelter	Light industrial park with wetlands
Asarco Smelter, Tacoma, WA	NPL	Planned Use	Smelter	Planned amphitheater
Bonneville Power Admin Ross (USDOE) Vancouver, WA	Deleted	Continued Use	Electric power station	Electric power station

**Recycling Superfund Sites
Sites Returned to Productive Use**

Site Name and Location	NPL Status	Reuse Category	Pre-Cleanup Use	Post-Cleanup Use
Commencement Bay/Near Shore Tide Flats, Pierce County, WA	NPL	Actual Use	Smelter	Port redevelopment
FMC Corp (Yakima Pfl), Yakima, WA	NPL	Actual Use	Pesticide formulations plant	Metal fabricator
Hartford Site 1100 Area, Benton County, WA	Deleted	Actual Use	DCE nuclear complex	Diesel locomotive maintenance company
Northwest Transformer (South Harkness St), Everson, WA	Deleted	Actual Use	Transformer refurbisher/manufacturer	Public parking lot
Pacific Sound Resources, Seattle, WA	NPL	Actual Use	Wood treater	Part of container port expansion project
Port Hadlock (US NAVY), Indian Island, WA	NPL	Actual Use	Landfill	Recreational beach access, fishing area
Silver Mountain Mine, Loomis, WA	Deleted	Actual Use	Precious metal extraction operation	Cattle grazing land
Spokane Junkyard, Spokane, WA	Deleted	Actual Use	Junkyard	Sports fields
Wyckoff Co./Eagle Harbor, Bainbridge, WA	NPL	Actual Use	Woodtreater, ferry navigation lanes, marinas, boat yards, and boat transit	Portion of shipyard converted to parking lot for ferry traffic
Toftdahl Drums, Brush Prairie, WA	Deleted	Actual Use	Drum cleaning and re-sale operation	Residential Homes
WISCONSIN				
Northern Engraving Co., Sparta, WI	Deleted	Continued Use	Decorative metal company/metal finishing	Decorative metal company/metal finishing

**Recycling Superfund Sites
Sites Returned to Productive Use**

Site Name and Location	NPL Status	Reuse Category	Pre-Cleanup Use	Post-Cleanup Use
WEST VIRGINIA Leetown Pesticide Leetown, WV	Deleted	Continued Use	Beef & dairy cattle, operating landfill, pesticide disposal area, U.S. Fish & Wildlife facility	Dairy cattle, U.S. Geological Survey facility (formerly U.S. Fish & Wildlife)

Attachment VI

Progress of Cleanup is Accelerated

Almost Three Times the Number of Construction Completions in the Past Six Years (Through FY98) Than the First 12 Years Combined

