

Wednesday
February 21, 1990

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Environmental Protection Agency

Part II

**Environmental
Protection Agency**

40 CFR Part 300
National Priorities List for Uncontrolled
Hazardous Waste Sites; Final Rule

500179

**ENVIRONMENTAL PROTECTION
AGENCY**
40 CFR Part 300
[FRL 3724-6]
**National Priorities List for
Uncontrolled Hazardous Waste Sites**
AGENCY: Environmental Protection Agency.

ACTION: Final rule.

SUMMARY: The Environmental Protection Agency ("EPA") is amending the National Oil and Hazardous Substances Pollution Contingency Plan ("NCP"), 40 CFR part 300, which was promulgated on July 16, 1982, pursuant to section 105 of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 ("CERCLA"). CERCLA has since been amended by the Superfund Amendments and Reauthorization Act of 1986 ("SARA") and is implemented by Executive Order 12580 (52 FR 2923, January 29, 1987). CERCLA requires that the NCP include a list of national priorities among the known releases or threatened releases of hazardous substances, pollutants, or contaminants throughout the United States, and that the list be revised at least annually. The National Priorities List ("NPL"), initially promulgated as appendix B of the NCP on September 8, 1983 (48 FR 40658), constitutes this list and is being revised today by the addition of 71 sites, including 14 Federal facility sites. Based on a review of public comments on these sites, EPA has decided that they meet the eligibility requirements of the NPL and are consistent with the Agency's listing policies. In addition, today's action removes one site from the proposed NPL. Information supporting these actions is contained in the Superfund Public Dockets.

This rule results in a final NPL of 1,081 sites, 93 of them in the Federal section; 137 sites are proposed to the NPL, 24 of them in the Federal section. Final and proposed sites now total 1,218.

EFFECTIVE DATE: The effective date for this amendment to the NCP shall be March 23, 1990. CERCLA section 305 provides for a legislative veto of regulations promulgated under CERCLA. Although *INS v. Chadha*, 462 U.S. 919, 103 S. Ct. 2764 (1983), cast the validity of the legislative veto into question, EPA has transmitted a copy of this regulation to the Secretary of the Senate and the Clerk of the House of Representatives. If any action by Congress calls the effective date of this regulation into question, the Agency will publish a

notice of clarification in the Federal Register.

ADDRESSES: Addresses for the Headquarters and Regional dockets follow. For further details on what these dockets contain, see section I of the "Supplementary Information" portion of this preamble.

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SUPPLEMENTARY INFORMATION:
Table of Contents

- I. Introduction
- II. Purpose and Implementation of the NPL
- III. NPL Update Process
- IV. Statutory Requirements and Listing Policies
- V. Disposition of Sites in Today's Final Rule
- VI. Disposition of All Proposed Sites/Federal Facility Sites
- VII. Contents of the NPL
- VIII. Regulatory Impact Analysis
- IX. Regulatory Flexibility Act Analysis

I. Introduction
Background

In 1980, Congress enacted the Comprehensive Environmental Response, Compensation, and Liability Act, 42 U.S.C. 9601-9657 ("CERCLA" or the "Act"), in response to the dangers of uncontrolled hazardous waste sites. CERCLA was amended in 1986 by the Superfund Amendments and Reauthorization Act ("SARA"), Public Law No. 99-499, stat. 1613 *et seq.* To implement CERCLA, the Environmental Protection Agency ("EPA" or "the Agency") promulgated the revised National Oil and Hazardous Substances Pollution Contingency Plan ("NCP"), 40 CFR part 300, on July 16, 1982 (47 FR 31180) pursuant to CERCLA section 105 and Executive Order 12316 (46 FR 42237, August 20, 1981). The NCP, further revised by EPA on September 16, 1985 (50 FR 37624) and November 20, 1985 (50 FR 47912), sets forth guidelines and procedures needed to respond under CERCLA to releases and threatened releases of hazardous substances, pollutants, or contaminants. On December 21, 1988 (53 FR 51394), EPA proposed revisions to the NCP in response to SARA.

Section 105(a)(8)(A) of CERCLA, as amended by SARA, requires that the NCP include "criteria for determining priorities among releases or threatened releases throughout the United States for the purpose of taking remedial action and, to the extent practicable taking into account the potential urgency of such action, for the purpose of taking removal action." Removal action involves cleanup or other actions that are taken in response to releases or threats of releases on a short-term or temporary basis (CERCLA section 101(23)). Remedial action tends to be long-term in nature and involves response actions that are consistent with a permanent remedy for a release (CERCLA section 101(24)). Criteria for determining priorities for possible remedial actions financed by the Trust Fund established under CERCLA are included in the Hazard Ranking System ("HRS"), which EPA promulgated as appendix A of the NCP (47 FR 31219, July 16, 1982).

On December 23, 1988 (53 FR 51962), EPA proposed revisions to the HRS in response to CERCLA section 105(c), added by SARA. EPA intends to issue the revised HRS as soon as possible. However, until the revised HRS is in effect, EPA will continue to use the current HRS in accordance with CERCLA section 105(c)(1) and Congressional intent, as explained in 54 FR 13299 (March 31, 1989).

Based in large part on the HRS criteria, and pursuant to section 105(a)(8)(B) of CERCLA, as amended by SARA, EPA prepared a list of national priorities among the known releases or threatened releases of hazardous substances, pollutants, or contaminants throughout the United States (the "National Priorities List" or "NPL"). The list has been promulgated as Appendix B of the NCP. A site can undergo CERCLA-financed remedial action only after it is placed on the NPL, as provided in the NCP at 40 CFR 300.66(c)(2) and 300.68(a).

As is stated in CERCLA section 105(a)(8)(b), the NPL is a listing of "releases or threatened releases" of hazardous substances, pollutants, or contaminants. For simplicity, the discussion below may refer to these "releases or threatened releases" simply as "releases," "facilities," or "sites."

An original NPL of 406 sites was promulgated on September 8, 1983 (48 FR 40658). Pursuant to CERCLA section 105(a)(8)(B), which requires that the NPL be revised at least annually, the NPL has been updated periodically, most recently on November 21, 1989 (54 FR 48184). The Agency also has proposed adding new sites to the NPL, most recently on October 26, 1989 (54 FR 43778).

EPA may delete sites from the NPL when no further response is appropriate, as provided in the NCP at 40 CFR 300.66(c)(7). To date, the Agency has deleted 28 sites from the final NPL, most recently on September 22, 1989 (54 FR 38994), where Cecil Lindsey, Newport, Arkansas, was deleted.

This rule adds 71 sites, including 14 Federal facility sites, to the NPL, and drops 1 site from the proposed NPL. EPA has carefully considered public comments submitted for the sites in today's final rule and has made certain modifications in response to those comments. This rule results in a final NPL of 1,081 sites, 93 of them in the Federal section; 137 sites remain in proposed status, 24 of them in the Federal section. In addition, today's final rule removes 1 site from the proposed NPL. With these changes, final and proposed sites now total 1,218.

Information Available to the Public

The Headquarters and Regional public dockets for the NPL (see ADDRESSES portion of this notice) contain documents relating to the evaluation and scoring of sites in this final rule. The dockets are available for viewing, by appointment only, after the appearance of this notice. The hours of operation for the Headquarters docket are from 9:00 a.m. to 4:00 p.m., Monday through Friday, excluding Federal holidays.

Please contact individual Regional dockets for hours.

The Headquarters docket contains HRS score sheets for each final site; a Documentation Record for each site describing the information used to compute the score; pertinent information for any site affected by special study waste or other requirements, or Resource conservation and Recovery Act or other listing policies; a list of documents referenced in the Documentation Record; comments received; and the Agency's response to those comments. The Agency's responses are contained in the "Support Document for the Revised National Priorities List—Final Rule, February 1990."

Each Regional docket includes all information available in the Headquarters docket for sites in that Region, as well as the actual reference documents, which contain the data principally relied upon by EPA in calculating or evaluating the HRS scores for sites in that Region. These reference documents are available only in the Regional dockets. They may be viewed, by appointment only, in the appropriate Regional Docket or Superfund Branch office. Requests for copies may be directed to the appropriate Regional docket or Superfund Branch.

An informal written request, rather than a formal request, should be the ordinary procedure for obtaining copies of any of these documents.

II. Purpose and Implementation of the NPL

Purpose

The primary purpose of the NPL is stated in the legislative history of CERCLA (Report of the Senate Committee on Environment and Public Works, Senate Rep. No. 96-959, 96th Cong., 2d Sess. 60 (1980)):

The priority lists serve primarily informational purposes, identifying for the States and the public those facilities and sites or other releases which appear to warrant remedial actions. Inclusion of a facility or site on the list does not in itself reflect a judgment of the activities of its owner or operator. It does not require those persons to undertake any action, nor does it assign liability to any person. Subsequent government action in the form of remedial actions or enforcement actions will be necessary in order to do so, and these actions will be attended by all appropriate procedural safeguards.

The purpose of the NPL, therefore, is primarily to serve as an informational and management tool. The initial identification of a site for the NPL is intended primarily to guide EPA in determining which sites warrant further investigation to assess the nature and

extent of the public health and environmental risks associated with the site and to determine what CERCLA-financed remedial action(s), if any, may be appropriate. The NPL also serves to notify the public of sites EPA believes warrant further investigation.

Federal facility sites are eligible for the NPL pursuant to the NCP at 40 CFR 300.66(c)(2). However, section 111(e)(3) of CERCLA, as amended by SARA, limits the expenditure of CERCLA moneys at Federally owned facilities. Federal facility sites also are subject to the requirements of CERCLA section 120, added by SARA.

Implementation

A site may undergo remedial action financed by the Trust Fund established under CERCLA ("Superfund") only after it is placed on the final NPL as outlined in the NCP at 40 CFR 300.66(c)(2) and 300.68(a). However, EPA may take enforcement actions under CERCLA or other applicable statutes against responsible parties regardless of whether the site is on the NPL, although, as a practical matter, the focus of EPA's enforcement actions has been and will continue to be on NPL sites. Similarly, in the case of removal actions, EPA has the authority to act at any site, whether listed or not, that meets the criteria of the NCP at 40 CFR 300.65-67.

EPA's policy is to pursue cleanup of NPL sites using the appropriate response and/or enforcement actions available to the Agency, including authorities other than CERCLA. Listing a site will serve as notice to any potentially responsible party that the Agency may initiate CERCLA-financed remedial action. The Agency will decide on a site-by-site basis whether to take enforcement or other action under CERCLA or other authorities, proceed directly with CERCLA-financed response actions and seek to recover response costs after cleanup, or do both. To the extent feasible, once sites are on the NPL, EPA will determine high-priority candidates for Superfund-financed response action and/or enforcement action through both State and Federal initiatives. These determinations will take into account which approach is more likely to most expeditiously accomplish cleanup of the site while using CERCLA's limited resources as efficiently as possible.

Remedial response actions will not necessarily be funded in the same order as a site's ranking on the NPL—that is, its HRS score. The information collected to develop HRS scores is not sufficient in itself to determine either the extent of contamination or the appropriate response for a particular site. EPA relies

on further, more detailed studies in the remedial investigation/feasibility study (RI/FS) to address these concerns.

The RI/FS determines the nature and extent of the threat posed by the release or threatened release. It also takes into account the amount of contaminants in the environment, the risk to affected populations and environment, the cost to correct problems at the site, and the response actions that have been taken by potentially responsible parties or others. Decisions on the type and extent of action, if any, to be taken at these sites are made in accordance with the criteria contained in Subpart F of the NCP. After conducting these additional studies, EPA may conclude that it is not desirable to initiate a CERCLA remedial action at some sites on the NPL because of more pressing needs at other sites, or because a private party cleanup is already underway pursuant to an enforcement action. Given the limited resources available in the Trust Fund, the Agency must carefully balance the relative needs for response at the numerous sites it has studied. It is also possible that EPA will conclude after further analysis that the site does not warrant remedial action.

Revisions to the NPL such as today's rulemaking may move some previously listed sites to a lower position on the NPL. However, if EPA has initiated an action such as an RI/FS at a site, it does not intend to cease such actions to determine if a subsequently listed site should have a higher priority for funding. Rather, the Agency will continue funding site studies and remedial actions once they have been initiated, even if higher-scoring sites are later added to the NPL.

RI/FS at Proposed Sites. An RI/FS may be performed at proposed sites (or even non-NPL sites) pursuant to the Agency's removal authority under CERCLA, as outlined in the NCP at 40 CFR 300.68(a)(1). Section 101(23) of CERCLA defines "remove" or "removal" to include "such actions as may be necessary to monitor, assess and evaluate the release or threat of release" The definition of "removal" also includes "action taken under section 104(b) of this Act" which authorizes the Agency to perform studies, investigations, and other information-gathering activities.

Although an RI/FS generally is conducted at a site after the site has been placed on the NPL, in a number of circumstances the Agency elects to conduct an RI/FS at a proposed NPL site in preparation for a possible CERCLA-financed remedial action, such as when the Agency believes that a delay may create unnecessary risks to human

health or the environment. In addition, the Agency may conduct an RI/FS to assist in determining whether to conduct a removal or enforcement action at a site.

Facility (Site) Boundaries. The Agency, on occasion, has received inquiries concerning whether EPA could (or would) revise NPL "site boundaries." The issue frequently arises where a landowner seeks to sell an allegedly uncontaminated portion of an NPL site. The Agency's position is that the NPL does not describe releases in precise geographical terms, and that it would be neither feasible nor consistent with the limited purpose of the NPL (as the mere identification of releases), for it to do so.

CERCLA section 105(a)(8)(B) directs EPA to list national priorities among the known "releases or threatened releases" of hazardous substances. Thus, the purpose of the NPL is merely to identify releases of hazardous substances that are priorities for further evaluation. Although a CERCLA "facility" is broadly defined to include any area where a hazardous substance release has "come to be located" (CERCLA section 101(9)), the listing process itself is not intended to define or reflect the boundaries of such facilities or releases.¹ Of course, HRS data upon which the NPL placement was based will, to some extent, describe which release is at issue; that is, the NPL site would include all releases evaluated as part of that HRS analysis (including noncontiguous releases evaluated under the NPL aggregation policy, see 48 FR 40663 (September 8, 1983)).

EPA regulations do provide that the "nature and extent of the threat presented by a release" will be determined by an RI/FS as more information is developed on site contamination (40 CFR 300.63(d)). During the RI/FS process, the release may be found to be larger or smaller than was originally known, as more is learned about the source and the migration of the contamination. However, this inquiry focuses on an evaluation of the threat posed; the boundaries of the release need not be defined, and in any event are independent of the NPL listing. Moreover, it generally is impossible to discover the full extent of where the contamination "has come to be located" before all necessary studies and

¹ Although CERCLA section 101(9) sets out the definition of "facility" and not "release," those terms are often used interchangeably. [See CERCLA section 105(a)(8)(B), which defines the NPL as a list of "releases" as well as of the highest priority "facilities."] (For ease of reference, EPA also uses the term "site" interchangeably with "release" and "facility.")

remedial work are completed at a site; indeed, the boundaries of the contamination can be expected to change over time. Thus, in most cases, it will be impossible to describe the boundaries of a release with certainty.

Because the Agency does not formally define the geographic extent of releases (or sites) at the time of listing, there is no administrative process to "delist" allegedly uncontaminated areas of an NPL site (or to expand sites to follow the contamination where it has come to be located).² Such a process would be time-consuming, subject to constant re-verification, and wasteful of resources. For the same reason, the NPL need not be amended if further research into the extent of the contamination expands the apparent boundaries of the release. Further, the NPL is only of limited significance, as it does not assign liability to any party or to the owner of any specific property. See Report of the Senate Committee on Environment and Public Works, Senate Rep. No. 96-848, 96th Cong., 2d Sess. 60 (1980), quoted at 48 FR 40659 (September 8, 1983). If a party contests liability for releases on discrete parcels of property, it may do so if and when the Agency brings an action against that party to recover costs or to compel a response action at that property.

At the same time, however, the RIFS or the Record of Decision (which defines the remedy selected) may offer a useful indication to the public of the areas of contamination at which the Agency is considering taking a response action, based on information known at that time. For example, EPA may evaluate (and list) a release over a 400-acre area, but the Record of Decision may select a remedy over 100 acres only. This information may be useful to a landowner seeking to sell the other 300 acres, but it would result in no formal change in the fact that a release is included on the NPL. The landowner (and the public) also should note in such a case that if further study (or the remedial construction itself) reveals that the contamination is located on or has spread to other areas, the Agency may address those areas as well.

This view of the NPL as an initial identification of a release that is not subject to constant re-evaluation is consistent with the Agency's policy of not rescoring NPL sites:

² The Agency has already discussed its authority to follow contamination as far as it goes, and then to consider the release or facility for response purposes to be the entire area where the hazardous substances have come to be located (54 FR 13298, March 31, 1989).

EPA recognizes that the NPL process cannot be perfect, and it is possible that errors exist or that new data will alter previous assumptions. Once the initial scoring effort is complete, however, the focus of EPA activity must be on investigating sites in detail and determining the appropriate response. New data or errors can be considered in that process. . . . [T]he NPL serves as a guide to EPA and does not determine liability or the need for response. (49 FR 37061 (September 21, 1984)).³

III. NPL Update Process

There are three mechanisms for placing sites on the NPL. The principal mechanism is the application of the HRS. The HRS serves as a screening device to evaluate the relative potential of uncontrolled hazardous substances to cause human health or safety problems, or ecological or environmental damage. The HRS score is calculated by estimating risks presented in three potential "pathways" of human or environmental exposure: ground water, surface water, and air. Within each pathway of exposure, the HRS considers three categories of factors "that are designed to encompass most aspects of the likelihood of exposure to a hazardous substance through a release and the magnitude or degree of harm from such exposure": (1) Factors that indicate the presence or likelihood of a release to the environment; (2) factors that indicate the nature and quantity of the substances presenting the potential threat; and (3) factors that indicate the human or environmental "targets" potentially at risk from the site. Factors within each of these three categories are assigned a numerical value according to a set scale. Once numerical values are computed for each factor, the HRS uses mathematical formulas that reflect the relative importance and interrelationships of the various factors to arrive at a final site score on a scale of 0 to 100. The resultant HRS score represents an estimate of the relative "probability and magnitude of harm to the human population or sensitive environment from exposure to hazardous substances as a result of the contamination of ground water, surface water, or air" (47 FR 31180, July 16, 1982). Those sites that score 28.50 or

greater on the HRS are eligible for the NPL.

Under the second mechanism for adding sites to the NPL, each State may designate a single site as its top priority, regardless of the HRS score. This mechanism is provided by section 105(a)(8)(B) of CERCLA, as amended by SARA, which requires that, to the extent practicable, the NPL include within the 100 highest priorities, one facility designated by each State representing the greatest danger to public health, welfare, or the environment among known facilities in the State.

The third mechanism for listing, included in the NCP at 40 CFR 300.66(b)(4) (50 FR 37624, September 16, 1985), has been used only in rare instances. It allows certain sites with HRS scores below 28.50 to be eligible for the NPL if all of the following occur:

- The Agency for Toxic Substances and Disease Registry (ATSDR) of the U.S. Department of Health and Human Services has issued a health advisory that recommends dissociation of individuals from the release.
- EPA determines that the release poses a significant threat to public health.
- EPA anticipates that it will be more cost-effective to use its remedial authority than to use its removal authority to respond to the release.

All of the sites in today's final rule have been placed on the NPL based on their HRS scores.

States have the primary responsibility for identifying non-Federal sites, computing HRS scores, and submitting candidate sites to the EPA Regional Offices. EPA Regional Offices conduct a quality control review of the States' candidate sites, and may assist in investigating, sampling, monitoring, and scoring sites. Regional Offices also may consider candidate sites in addition to those submitted by States. EPA Headquarters conducts further quality assurance audits to ensure accuracy and consistency among the various EPA and State offices participating in the scoring. The Agency then proposes the sites that meet one of the three criteria for listing (as well as statutory requirements and EPA's listing policies) and solicits public comment on the proposal. Based on these comments and further review by EPA, the Agency determines final HRS scores and places those sites that still qualify on the final NPL.

IV. Statutory Requirements and Listing Policies

CERCLA restricts EPA's authority to respond to certain categories of releases of hazardous substances, pollutants, or contaminants by expressly excluding

some substances, such as petroleum, from the response program. In addition, CERCLA section 105(a)(8)(B) directs EPA to list priority sites "among" the known releases or threatened releases of hazardous substances, pollutants, or contaminants, and section 105(a)(8)(A) directs EPA to consider certain enumerated and "other appropriate" factors in doing so. Thus, as a matter of policy, EPA has the discretion not to use CERCLA to respond to certain types or releases. For example, EPA has chosen not to list sites that result from contamination associated with facilities licensed by the Nuclear Regulatory Commission (NRC), on the grounds that NRC has the authority and expertise to clean up releases from those facilities (48 FR 40661, September 6, 1983). Where other authorities exist, placing the site on the NPL for possible remedial action under CERCLA may not be appropriate. Therefore, EPA has chosen to defer certain types of sites from the NPL even though CERCLA may provide authority to respond. If, however, the Agency later determines that sites deferred as a matter of policy are not being properly responded to, the Agency may place them on the NPL.

The Agency has solicited comment on a policy to expand deferral to other Federal and State authorities (53 FR 51415, December 21, 1988); however, that policy is not currently in effect and has not been applied to sites in this rule. The Agency has committed not to implement any part of an expanded deferral policy until public and Congressional concerns have been fully reviewed and analyzed, and a decision reached on whether or not to implement such a policy.

The listing policies and statutory requirements of relevance to this final rule cover Resource Conservation and Recovery Act (RCRA) (U.S.C. 6901-6991i) sites, Federal facility sites with "special study wastes," and mining waste sites. These and other listing policies and statutory requirements have been explained in previous rulemakings, the latest being October 4, 1989 (54 FR 41000).

Releases From Resource Conservation and Recovery Act (RCRA) Sites

On June 10, 1986 (51 FR 21054), EPA announced a decision on components of a policy for the listing or the deferral from listing on the NPL of several categories of non-Federal sites subject to RCRA subtitle C corrective action authorities. Under the policy, sites not subject to RCRA Subtitle C corrective action authorities will continue to be placed on the NPL. Examples of such sites include:

³ See also *City of Stoughton, Wisc. v. U.S. EPA*, 858 F.2d 747, 751 (D.C. Cir. 1984).

Certainly EPA could have permitted further comment or conducted further scoring (on proposed NPL sites). Either course would have consumed further assets of the Agency and would have delayed a determination of the risk priority associated with the site. Yet . . . "the NPL is simply a rough list of priorities, assembled quickly and inexpensively to comply with Congress' mandate for the Agency to take action straightaway." *Eagle-Prober Industries v. EPA*, 11, 750 F.2d (D.C. Cir. 1985).

- Facilities that ceased treating, storing, or disposing of hazardous waste prior to November 19, 1980 (the effective date of Phase I of the Subtitle C regulations) and to which the RCRA corrective action or other authorities of Subtitle C cannot be applied.

- Sites at which only materials exempted from the statutory or regulatory definition of solid waste or hazardous waste are managed.

- Contamination areas resulting from the activities of RCRA hazardous waste handlers to which RCRA subtitle C corrective action authorities do not apply, such as hazardous waste generators or transporters, which are not required to have Interim Status or a final RCRA permit.

Further, the policy stated that certain RCRA sites at which Subtitle C corrective action authorities are available also may be listed if they meet the criterion for listing (i.e., an HRS score of 28.50 or greater) and they fall within one of the following categories.

- Facilities whose owners have demonstrated an inability to finance corrective action as evidenced by their invocation of the bankruptcy laws.

- Facilities that have lost authorization to operate, and for which there are additional indications that the owner or operator will be unwilling to undertake corrective action.

- Facilities, analyzed on a case-by-case basis, whose owners or operators have a clear history of unwillingness to undertake corrective action.

On August 9, 1988 (53 FR 30005), EPA announced a policy for determining whether RCRA facilities are unwilling to perform corrective actions, and therefore should be proposed to the NPL. Additionally, on August 9, 1988 (53 FR 30002), EPA requested comment on a draft policy for determining when an owner/operator should be considered unable to pay for addressing the contamination at a RCRA-regulated site; that draft policy is still under review.

On June 24, 1988 (53 FR 23978), EPA announced its intent to list several other categories of RCRA facilities that the Agency considers appropriate for the NPL. These categories are non- or late filers, converters (i.e., facilities whose part A permits have been withdrawn), protective filers, and sites holding RCRA permits issued before enactment of the Hazardous and Solid Waste Amendments (HSWA) of 1984. (Further definition of these terms is contained in the June 24, 1988 policy announcement.) Consistent with this policy, 23 RCRA sites were placed on the final NPL on October 4, 1989 (54 FR 41000).

In this final rule, EPA is adding to the NPL six sites that are subject to RCRA

subtitle C corrective action authorities. These sites are not appropriate for deferral under the NPL/RCRA deferral because policy either the site owners are unable to finance corrective action, as evidenced by their invocation of the bankruptcy laws, or the sites are converters.

Releases from Federal Facility Sites

On March 13, 1989 (54 FR 10520), the Agency announced a policy for listing Federal facility sites on the NPL if they meet the prescribed eligibility criteria (e.g., an HRS score of 28.50 or greater), even if the Federal facility also is subject to the corrective action authorities of RCRA subtitle C. In that way, cleanup, if appropriate, could be effected at those sites under CERCLA.

Federal facility sites are placed in a separate section of the NPL. This rule adds 14 Federal facility sites to the final NPL, bringing the total number of final Federal facility sites to 93. Currently, 24 Federal facility sites are proposed to the NPL.

Releases of Special Study Wastes

Section 105(g) of CERCLA, as amended by SARA, requires EPA to consider certain factors before adding sites involving RCRA "special study wastes" to the NPL. Section 105(g) applies to sites that (1) were not on or proposed for the NPL as of October 17, 1986 and (2) contain significant quantities of special study wastes as defined under RCRA sections 3001(b)(2) [drilling fluids], 3001(b)(3)(A)(ii) [mining wastes], and 3001(b)(3)(A)(iii) [cement kiln dusts]. Before these sites can be added to the NPL, section 105(g) requires that the following information be considered.

- The extent to which the HRS score for the facility is affected by the presence of the special study waste at or released from the facility.

- Available information as to the quantity, toxicity, and concentration of hazardous substances that are constituents of any special study waste at, or released from, the facility; the extent of or potential for release of such hazardous constituents; the exposure or potential exposure to human population and environment; and the degree of hazard to human health or the environment posed by the release of such hazardous constituents at the facility.

This final rule includes one site containing or potentially containing special study wastes subject to section 105(g). EPA has placed in the docket an addendum that evaluates for the site the information called for in section 105(g). The addendum indicates that the special

study waste presents a threat to human health and the environment, and that the site should be added to the NPL.

CERCLA section 125, as amended by SARA, addresses specific special study wastes described in RCRA section 3001(b)(3)(A)(i) (fly ash and related wastes). No sites in this rule are subject to section 125.

Response to Public Comments on Special Study Waste Sites

When EPA proposed to include on the NPL the special study waste site in today's final rule, the Agency received several public comments. The Agency's responses to site-specific comments are contained in the "Support Document for the Revised National Priorities List—Final Rule, February 1990." (See Section V in today's final rule.)

EPA also received general (i.e., non-site-specific) comments from one organization concerning the Agency's evaluation of coal tar special study waste sites. A summary of the issues raised in these comments and the Agency's response follow. EPA's response generally applies to all special study waste sites, not just to the one in today's final rule.

The commenter said that "it can be argued" that coal tar wastes, found at the special study waste site in today's rule (see Section V), are "generated primarily from the combustion of coal or other fossil fuels" and, therefore, could be considered the type of special study waste governed by CERCLA section 125. However, the commenter said that, "[f]or purposes of these comments, we concur with EPA's categorization" of coal tar waste as a waste from the "extraction, beneficiation, and processing of ores and minerals" governed by CERCLA section 105(g).

In response, EPA has stated that wastes produced in the coal gasification process are subject to CERCLA section 105(g), not section 125. See 54 FR 15319, April 17, 1989; 54 FR 36642, September 1, 1989; and 54 FR 39301-2, September 25, 1989. The Agency's interpretation of RCRA section 3001(b)(3)(A)(ii), and, therefore, CERCLA section 105(g), as applying to wastes generated in the coal gasification process, also was stated in a September 15, 1987 memorandum from Marcia Williams, then the Director of EPA's Office of Solid Waste, and Christina Kaneen, EPA Assistant General Counsel for RCRA, to Robert Duprey, Director of the Waste Management Division in EPA Region 8. (This memorandum is included in the Superfund docket for this final rule.) Therefore, the site with coal tar wastes in today's rule was evaluated as a

CERCLA section 105(g) special study waste site.

The commenter also questioned EPA's interpretation of statutory requirements in evaluating special study waste sites. The commenter criticized "EPA's apparent position" that the requirements imposed on the Agency by CERCLA section 125 for listing sites with special study wastes described in RCRA section 3001(b)(3)(A)(i) [fly ash and related wastes] are equivalent to those imposed by CERCLA section 105(g) for listing other special study waste sites. The commenter stated that CERCLA section 125 imposes "burdens beyond those imposed by section 105(g) with respect to listing fossil fuel combustion waste sites pending revision of the HRS."

In response, in EPA's view, the sites referred to by the commenter do not contain substantial volumes of wastes subject to CERCLA section 125. If, in the future, EPA proposes to include such a site on the NPL using the current HRS, the Agency will carefully evaluate and comply with the requirements of that section, and respond to the specific concerns raised by the commenter regarding the difference between sections 125 and 105(g). (No such sites have been listed to date since the enactment of section 125.)

The commenter also stated that section 105(g) requires EPA to "consider the enumerated site-specific factors to determine whether the HRS score overestimates the actual risks posed by the site." He stated that if risks are overestimated, EPA must reassess its initial decision to list a site. He suggested that this reassessment could be done by revising the inputs used to score the site or by making a new listing decision based on an analysis of site-specific factors listed in section 105(g). The commenter stated that the HRS scoring packages, including the special study waste addenda, did not indicate that such a reassessment had been made.

In response, EPA notes that CERCLA section 105(g) requires that certain factors (listed earlier in this preamble) be "considered" in ranking facilities containing special study wastes, but does not set forth a specific procedure to be followed in doing so. As required by section 105(g)(2)(A), EPA reviewed each site included in this final rule to determine whether the presence of any special study waste at, or release of such waste from, the site may have had an effect on the HRS score. As noted above, only one site in today's final rule was affected. The information referred in section 105(g)(2)(B), to the extent available within the meaning of that

section, was gathered as reflected in the addendum to the scoring package.

EPA is satisfied that, in considering this and other special study waste sites, it has complied with the directive in section 105(g) to consider factors relating to special study waste sites. In the absence of specific direction from Congress as to the process by which those factors should be considered, EPA assembles the available information on each of those factors and summarizes that information in the addendum for each site. Where the HRS evaluation for a site is based at least in part on the presence of special study wastes or contaminants found in special study wastes, the Agency includes in the addendum a qualitative analysis related to the risks posed by the site to complement the HRS evaluation. That analysis includes an evaluation of the toxicity of the contaminants present, an evaluation of potential or actual human exposures, and an assessment of the potential hazards at any possible points of exposure. In the case of the special study waste site included in today's final rule, based on information assembled in the addendum, EPA has concluded that the site presents a threat to human health and the environment and that inclusion on the NPL is warranted (53 FR 23992, June 24, 1988).

EPA notes that the requirements for consideration of special study wastes in CERCLA section 105 differ significantly from those in CERCLA section 125, which applies only to sites containing waste described in RCRA section 3001(b)(3)(A)(i) (fly ash and certain other fossil fuel combustion wastes). Section 125, added by SARA, specifically prohibits EPA from including on the NPL any site for which the ranking was based principally on volume and not concentration of the constituents of the section 3001(b)(3)(A)(i) waste. No such prohibition is contained in section 105(g), also added by SARA. The legislative history of section 105(g) demonstrates that Congress had considered and rejected language similar to that used in section 125 in an earlier version of section 105(g). The intentional revision of section 105(g) to distinguish it from section 125 demonstrates that Congress decided to give EPA wide discretion in adding special study waste facilities to the NPL. In particular, section 105(g) permits sites to be listed even if the ranking is based principally on total waste volume.

The commenter also stated that EPA has failed to comply with CERCLA section 105(g) in proposing special study waste sites for the NPL, because EPA

did not estimate quantities of hazardous constituents at each site. The commenter said that any decision to list such a site must "be based on an assessment of the actual risks posed by the hazardous constituents of the wastes . . ."

In response, where data on factors such as quantity or concentration of hazardous substance constituents are not readily available, EPA is not required by SARA to collect new information. SARA directs EPA to consider only "available information," and the Report to SARA explains that "[i]n the course of determining whether to add facilities containing special study wastes to the NPL in the interim period, if the President has sampling data from past or present on-site or off-site examination of the facility or releases from the facility available, he shall consider it" (H.R. Rep. No. 962, 99th Cong., 2d Sess. 202 (1986)).

At sites where information on hazardous constituent quantity is available, EPA does consider that information, as discussed above. However, the Conference Report cited above emphasizes that although EPA is required to "consider" available information, this consideration should not involve "the conduct of risk assessments." Thus, at those sites where some concentration data are available, the Agency has broad discretion in determining how the available information will be considered in listing decisions.

The commenter also stated that the analysis of special study waste sites should not focus on the highest concentration of hazardous constituents but should consider the range of concentrations.

In response, SARA directs EPA only to consider "available information" on "concentrations of hazardous substances" in special study wastes; it does not specify in further detail how to analyze the site where multiple samples show differing levels of concentration, and that decision is therefore within the Agency's discretion. The commenter is correct in noting that EPA generally uses the highest concentrations found in order to ensure that the most severe threats identified are taken into account. Many of the hazardous constituents of the special study wastes have been found at high concentrations at the coal tar waste sites referred to by the commenter. Listing such sites is not inconsistent with the Congressional concern that "high volume, low toxicity waste sites posing low risk . . ." not be listed on the NPL (131 Cong. Rec. S 11681, September 18, 1985). Furthermore,

Because data generally are limited at the inspection stage, high concentrations of certain hazardous substances in some samples may indicate that more extensive sampling later at the remedial stage will reveal elevated levels of these or other hazardous substances. These factors, taken together, justify EPA's approach of using the highest concentration data. This approach is consistent with EPA's approach to other similar scoring issues; for example, where multiple contaminants are found at a site, the most toxic constituent is used for scoring purposes.

The commenter also stated that EPA has failed to consider readily available site-specific information on the direction of ground water flow in preparing special study waste addenda.

In response, the Agency does not believe that section 105(g) requires assessing site-specific information on ground water flow direction. Nowhere in the statutory language or the legislative history of section 105 or other provisions of CERCLA, as amended, does Congress instruct EPA to consider the direction of ground water flow in scoring sites with special study wastes. Rather, Congress gives the Agency broad discretion to "rank sites as accurately as the agency believes is feasible, using information from preliminary assessments and site inspections, . . . and identification of

potentially and actually contaminated water supplies for sensitive environments" (H.R. Rep. No. 962, 99th Cong., 2d Sess. 200 (1986)).

The principal concern of Congress in enacting section 105(g) was that the current HRS may "introduce a bias in the hazard ranking system against large quantities of waste with the presence of trace toxic metals, such as typical mining wastes" (Senate Rep. No. 99-11, 99th Cong., 1st Sess. 40 (1985)). Ground water flow direction is unrelated to this concern. In any case, at the site inspection stage, determining the extent of population actually exposed or threatened based on ground water flow information generally is not practicable (47 FR 31190, July 16, 1982). In many instances, this information is not available, and in others, the flow direction varies over time. Requiring a precise measure of the affected population would substantially delay the listing of sites and substantially increase the costs associated with scoring sites. As stated in the legislative history for section 105, "[n]either the revised Hazard Ranking System required by this section nor any other provision of law or regulation requires the conduct of risk assessments at unlisted or listed facilities" (H.R. Rep. No. 962, 99th Cong., 2d Sess. 202 (1986)).

In analyzing any site, the Agency generally uses a radius of 3 miles or less

around a site when determining the distance to the nearest well in the contaminated aquifer and the population at risk due to actual or potential contamination. This methodology is reasonable because it recognizes the potential for future population growth at locations downgradient from the site and for new data that indicate a different flow direction. Furthermore, the purpose of the HRS is not only to protect current ground water users, but more broadly to identify and protect valuable ground water resources.

V. Disposition of Sites in Today's Final Rule

This final rule promulgates 71 sites (table 1) and drops 1 site from several proposed rulemakings. These 72 sites are from the following proposed updates:

- Update #2 (49 FR 40320, October 15, 1984): 1 site
- Update #3 (50 FR 14115, April 10, 1985): 1 site
- Update #4 (50 FR 37950, September 18, 1985): 3 sites
- Update #5 (51 FR 21099, June 10, 1986): 4 sites
- Update #6 (52 FR 2492, January 22, 1987): 6 sites
- Update #7 (53 FR 23988, June 24, 1988): 4 sites
- Update #9 (54 FR 29820, July 14, 1989): 8 sites

TABLE 1.—NATIONAL PRIORITIES LIST, NEW FINAL SITES (BY RANK), FEBRUARY 1990

NPL		State	Site Name	City/County
Gr ¹	Rank ₁			
2	70	WA	ALCOA (Vancouver Smelter)	Vancouver.
3	143	KY	Brantley Landfill	Island.
3	150	VT	Parker Sanitary Landfill	Lyndon
4	163	DE	E.I. Du Pont (Newport Plant L8)	Newport.
4	197	MI	Hi-Mill Manufacturing Co.	Highland.
5	211	TN	Carner Air Conditioning Co.	Collierville.
6	280	OK	Oklahoma Refining Co.	Cyril.
7	318	WA	Pasco Sanitary Landfill	Pasco.
8	363	MA	Atlas Tack Corp.	Fairhaven.
8	370	FL	Airco Plating Co.	Miami.
8	380	WA	Pacific Car & Foundry Co.	Renton.
8	381	IA	John Deere (Ottumwa Works Lndfils)	Ottumwa.
8	384	IN	Himco Dump	Elkhart.
8	391	PA	Avco Lycoming (Williamsport Div.)	Williamsport.
8	396	MI	State Disposal Landfill, Inc.	Grand Rapids.
9	412	GA	Cedartown Industries, Inc.	Cedartown.
10	457	SC	Rock Hill Chemical Co.	Rock Hill.
10	483	IL	Amoco Chemicals (Joliet Landfill)	Joliet.
10	486	OR	Allied Plating, Inc.	Portland.
11	515	FL	Beulah Landfill	Pensacola.
11	524	OK	Mosley Road Sanitary Landfill	Oklahoma City.
11	537	NC	FCX, Inc. (Statesville Plant)	Statesville.
11	538	MI	Michigan Disposal (Cork Street Lf)	Kalamazoo.
12	553	SC	Sangamo/ Twelve-Mile/Hartwell PCB	Pickens.
12	563	MI	Bendix Corp./Allied Automotive	St. Joseph.
12	567	VA	Arrowhead Assoc./Scovill Corp.	Montross.

TABLE 1.—NATIONAL PRIORITIES LIST, NEW FINAL SITES (BY RANK), FEBRUARY 1990—Continued

NPL		State	Site Name	City/County
Gr ¹	Rank			
12	568	VA	Atlantic Wood Industries, Inc.	Portsmouth.
12	598	SC	Townsend Saw Chain Co.	Pontiac.
13	602	VA	Suffolk City Landfill.	Suffolk.
13	622	IL	DuPage Cty Ldl/Blackwell Forest.	Warrenville.
13	636	NY	Niagara Mohawk Power (Saratoga Sp).	Saratoga Springs.
13	648	KS	29th & Mead Ground Water Contamin.	Wichita.
14	677	IL	H.O.D. Landfill.	Antioch.
14	695	MI	Kaydon Corp.	Muskegon.
14	700	MI	Muskegon Chemical Co.	Whitehall.
15	713	DE	Tyler Refrigeration Pnt.	Smyrna.
15	723	SC	Helena Chemical Co. Landfill.	Fairfax.
15	739	NY	Carroll & Dubies Sewage Disposal.	Port Jervis.
15	744	CT	Linemaster Switch Corp.	Woodstock.
16	754	NY	Jones Chemicals, Inc.	Caledonia.
16	755	PA	Saegertown Industrial Area.	Saegertown.
16	762	CA	CTS Pnntex, Inc.	Mountain View.
16	770	CA	Sola Optical USA, Inc.	Petaluma.
16	781	KY	General Tire/Rubber (Mayfield Lnf).	Mayfield.
16	789	WI	Madison Metro Sewer Distnct Lag.	Blooming Grove.
16	795	SC	Beaunit Corp (Circular Knt & Dye).	Fountain Inn.
17	831	CA	TRW Microwave, Inc (Building 825).	Sunnyvale.
18	861	MO	Missouri Electric Works.	Cape Girardeau.
18	867	FL	Piper Aircraft/Vero Beach Wtr&Swr.	Vero Beach.
18	871	FL	Anodyne, Inc.	North Miami Beach.
18	880	AL	Redwing Camers, Inc. (Saraland).	Saraland.
18	897	WA	Northwest Transformer (S Harkness).	Everson.
19	933	CA	Hewlett-Packard(620-40 Page Mill).	Palo Alto.
19	939	ME	Saco Municipal Landfill.	Saco.
19	947	WA	Old Inland Pit.	Spokane.
20	966	PA	North Penn—Area 12.	Worcester.
20	977	MI	Metal Working Shop.	Lake Ann.

¹ Sites are placed in groups (Gr) corresponding to groups of 50 on the final NPL. Number of New Final Sites: 57.

NATIONAL PRIORITIES LIST, FEDERAL FACILITY SITES, NEW FINAL (BY RANK), FEBRUARY 1990

NPL Gr ¹	State	Site Name	City/County
1	CA	Riverbank Army Ammunition Plant.	Riverbank.
3	MD	Aber Prov Ground-Edgewood Area.	Edgewood.
5	WA	Naval Air Sta, Whid Is (Ault).	Whidbey Island.
7	NJ	Picatinny Arsenal.	Rockaway Township.
9	CA	Fort Ord.	Manna.
10	WA	Naval Air Sta, Whid Is (Seaplane).	Whidbey Island.
10	NH	Pease Air Force Base.	Portsmouth/Newington.
10	WY	F.E. Warren Air Force Base.	Cheyenne.
12	CA	El Toro Marine Corps Air Station.	El Toro.
13	MA	Fort Devens-Sudbury Training Ann.	Middlesex County.
14	ME	Loring Air Force Base.	Limestone.
16	CA	George Air Force Base.	Victorville.
17	AZ	Yuma Marine Corps Air Station.	Yuma.
19	MO	Weldon Spring Form Army Ord Works.	St. Charles County.

¹ Sites are placed in groups (Gr) corresponding to groups of 50 on the final NPL. Number of New Final Federal Facility Sites: 14.

EPA read all comments received on these sites, including late comments. In past rules, EPA responded even to late comments. However, given the volume and number of late comments received and the need to make final decisions on all currently proposed sites prior to the date that the revised HRS takes effect, EPA was not able to respond to all late

comments received for sites in this rule. EPA has responded (in the Support Document) to those comments received no later than October 31, 1988 for all sites included in this final rule that were proposed in Updates #2, 3, 4, 5, 6, and 7 and to those comments received no later than October 3, 1989 for sites in this final rule that were proposed in Update

#9. (EPA had previously indicated that it may no longer be able to consider late comments (53 FR 23990, June 24, 1988 and 54 FR 19527, May 5, 1989)). Although EPA has not responded to all late comments, it has read all late comments, and has endeavored to respond in the Support Document to those late comments that bring to the Agency's

attention a fundamental error in the scoring of a site. In addition, the Agency as routinely responded to late comments resulting from EPA correspondence that provided commenters with more recent data or requested that the commenters be more specific in their comments.

Based on the comments received on the proposed sites, as well as investigation by EPA and the States (generally in response to comment), EPA recalculated the HRS scores for individual sites where appropriate. Where the public comments or additional information dropped a score below 28.50, the site has been removed from the NPL. EPA's response to site-specific public comments and explanations of any score changes made as a result of such comments are addressed in the "Support Document for the Revised National Priorities List—Final Rule, February 1990."

RCRA Sites

Six sites are subject to Subtitle C corrective action authorities, but either the site owner has invoked the protection of the bankruptcy laws, or the Part A permit has been withdrawn (converter status). These sites are being added to the final NPL consistent with the NPL/RCRA listing policy:

- CTS Printex, Inc., Mountain View, California (converter)
- John Deere (Ottumwa Works Landfills), Ottumwa, Iowa (converter)
- Oklahoma Refining Co., Cyril, Oklahoma (bankruptcy)
- Allied Plating Inc., Portland, Oregon (bankruptcy)
- Townsend Saw Chain Co., Pontiac, South Carolina (converter)
- Carrier Air Conditioning Co., Collierville, Tennessee (converter)

Federal Facility Sites

This final rule adds 14 Federal facility sites to the NPL (Table 1).

Special Study Waste Sites

One site containing or possibly containing special study wastes is being added to the NPL in this rule:

- Niagara Mohawk Power Corp. (Saratoga Springs Plant), Saratoga Springs, New York (coal tar wastes).

Score Revisions

EPA has revised the HRS scores for 19 sites based on its review of comments and additional information developed by EPA and the States (table 2). Some of the changes have placed the sites in different groups of 50 sites. For one of these sites, the public comments have resulted in scores below the cut-off of 0. Accordingly, this site is being

dropped from the proposed NPL at this time:

- Keyser Avenue Borehole, Scranton, Pennsylvania

TABLE 2—SITES WITH HRS SCORE CHANGES

State/Site Name	Location	HRS Score	
		Proposed	Final
AZ/Yuma Marine Corps Air Station	Yuma	29.66	32.24
CA/CTS Printex, Inc.	Mountain View	35.39	33.62
CA/EI Toro Marine Corps Air Station	El Toro	40.83	37.43
CA/Soia Optical USA, Inc.	Petaluma	35.57	33.39
DE/Tyler Refrigeration Pnt.	Smyrna	29.41	33.94
IL/Amoco Chemicals (Joliet Landfill)	Joliet	32.47	33.44
IL/H.O.D. Landfill	Antioch	52.02	34.68
KS/29th & Mead Ground Water Contamination	Wichita	42.79	35.35
KY/Grantley Landfill	Island	58.15	52.73
MA/Atlas Tack Corp	Fairhaven	31.89	42.60
Mi/Metal Working Shop	Lake Ann	30.12	28.82
MO/Missouri Electric Works	Cape Girardeau	33.40	31.20
MO/Weldon Spring Former Army Ordnance Works	St. Charles Co.	30.77	30.26
PA/Keyser Avenue Borehole	Scranton	30.24	00.00
SC/Rock Hill Chemical Co.	Rock Hill	49.76	40.29
TN/Carner Air Conditioning Co.	Collierville	35.37	48.91
VA/Atlantic Wood Industries, Inc.	Portsmouth	40.77	37.14
VT/Parker Sanitary Landfill	Lyndon	46.25	52.29
WA/Naval Air Station, Whidbey Island (Ault)	Whidbey Island	48.48	47.58

Name Revisions

The name of one site addressed in this final rule has been changed in response to information received during the comment period. The change is intended to reflect more accurately the location, nature, or potential sources of contamination at the site:

- North Penn—Area 12 (proposed as Transcoil, Inc.), Worcester, Pennsylvania

VI. Disposition of All Proposed Sites/ Federal Facility Sites

To date, EPA has proposed 10 major updates to the NPL. Today's rule results in a total of 113 non-Federal sites and 24 Federal facility sites that continue to be proposed pending completion of response to comment, resolution of technical issues and resolution of various policy issues (table 3). All sites that remain proposed will be considered for future final rules. Although these sites remain proposed, the comment periods have not been extended or reopened.

TABLE 3—NPL PROPOSALS

Update No	Date/FEDERAL REGISTER Citation	Number of Sites/ Federal Facility Sites	
		Proposed	Remain-ing Proposed
1	9/6/83, 46 FR 40674	132/1	1/0
2	10/15/84, 49 FR 40320	208/36	16/3
3	4/10/85, 50 FR 14115	26/6	0/0
4	9/18/85, 50 FR 37950	38/3	0/0
5	5/10/86, 51 FR 21099	43/2	4/0
6	1/22/87, 52 FR 2432	63/1	7/0
7	6/24/88, 53 FR 23988	215/14	57/2
8	5/5/89, 54 FR 12526	10/0	5/0
9	7/14/89, 54 FR 29220	0/52	0/17
10	10/26/89, 54 FR 43778	23/2	23/2
ATSDR	8/16/89, 54 FR 35846	2/0	0/0
Total		760/117	113/24

VII. Contents of the NPL

The 71 new sites added to the NPL in today's rule (Table 1) have been incorporated into the NPL in order of their HRS scores except where EPA modified the order to reflect top priorities designated by the States, as discussed in greater detail in previous rulemakings, the most recent on March 31, 1989 (54 FR 13296).

The NPL appears at the end of this final rule and will be codified as part of Appendix B to the NCP. Sites on the NPL are arranged according to their scores on the HRS. The NPL is presented in groups of 50 sites to emphasize that minor differences in HRS scores do not necessarily represent significantly different levels of risk. Except for the first group, the score range within the groups, as indicated in the list, is less

than 4 points. EPA considers the sites within a group to have approximately the same priority for response actions. For convenience, the sites are numbered.

The following three sites previously were placed on the NPL because they met the requirements of the NCP at § 300.66(b)(4), as explained in section III of this rule:

- Forest Glen Mobile Home Subdivision, Niagara Falls, New York
- Radium Chemical Co., Inc., Woodside, New York City, New York
- Lansdowne Radiation Site, Lansdowne, Pennsylvania

These sites have HRS scores less than 28.50, and appear at the end of the list.

This rule adds 14 new sites to the Federal facility section of the NPL by group number.

VIII. Regulatory Impact Analysis

The costs of cleanup actions that may be taken at sites are not directly attributable to placement on the NPL, as explained below. Therefore, the Agency has determined that this rulemaking is not a "major" regulation under Executive Order 12291. EPA has conducted a preliminary analysis of economic implications of today's amendment to the NCP. EPA believes that the kinds of economic effects associated with this revision generally are similar to those effects identified in the regulatory impact analysis (RIA) prepared in 1982 for the revisions to the NCP pursuant to section 105 of CERCLA and the economic analysis prepared when amendments to the NCP were proposed (50 FR 5662, February 12, 1985). The Agency believes the anticipated economic effects related to adding these 71 sites to the NPL can be characterized in terms of the conclusions of the earlier RIA and the most recent economic analysis. This rule was submitted to the Office of Management and Budget for review as required by Executive Order 12291.

Costs

EPA has determined that this rulemaking is not a "major" regulation under Executive Order 12291 because inclusion of a site on the NPL does not itself impose any costs. It does not establish that EPA necessarily will undertake remedial action, nor does it require any action by a private party or determine its liability for site response costs. Costs that arise out of site responses result from site-by-site decisions about what actions to take, not directly from the act of listing itself. Nonetheless, it is useful to consider the costs associated with responding to all sites included in this rulemaking.

The major events that follow the proposed listing of a site on the NPL are a search for potentially responsible parties and a remedial investigation/feasibility study (RI/FS) to determine if remedial actions will be undertaken at a site. Design and construction of the selected remedial alternative follow completion of the RI/FS, and operation and maintenance (O&M) activities may continue after construction has been completed.

EPA initially bears costs associated with responsible party searches. Responsible parties may bear some or all the costs of the RI/FS, remedial design and construction, and O&M, or EPA and the States may share costs.

The State cost share for site cleanup activities has been amended by section 104 of SARA. For privately-owned sites, as well as at publicly-owned but not publicly-operated sites, EPA will pay for 100% of the costs of the RI/FS and remedial planning, and 90% of the costs associated with remedial action. The State will be responsible for 10% of the remedial action. For publicly-operated sites, the State cost share is at least 50% of all response costs at the site, including the RI/FS and remedial design and construction of the remedial action selected. After the remedy is built, costs fall into two categories:

- For restoration of ground water and surface water, EPA will share in startup costs according to the criteria in the previous paragraph for 10 years or until a sufficient level of protectiveness is achieved before the end of 10 years.
- For other cleanups, EPA will share for up to 1 year the cost of that portion of response needed to assure that a remedy is operational and functional. After that, the State assumes full responsibilities for O&M.

In previous NPL rulemakings, the Agency estimated the costs associated with these activities (RI/FS, remedial design, remedial action, and O&M) on an average per site and total cost basis. EPA will continue with this approach, using the most recent (1988) cost estimates available; these estimates are presented below. However, there is wide variation in costs for individual sites, depending on the amount, type, and extent of contamination. Additionally, EPA is unable to predict what portions of the total costs responsible parties will bear, since the distribution of costs depends on the extent of voluntary and negotiated response and the success of any cost-recovery actions.

Cost category	Average total cost per site ¹
RI/FS	1,300,000
Remedial Design	1,500,000
Remedial Action	*25,000,000
Net present value of O&M ²	*3,770,000

¹ 1988 U.S. dollars

² Includes State cost-share

* Assumes cost of O&M over 30 years, \$400,000 for the first year and 10% discount rate.

Source: Office of Program Management, Office of Emergency and Remedial Response, U.S. EPA.

Costs to States associated with today's final rule arise from the required State cost-share of: (1) 10% of remedial actions and 10% of first-year O&M costs at privately-owned sites and sites that are publicly-owned but not publicly-operated; and (2) at least 50% of the remedial planning (RI/FS and remedial design), remedial action, and first-year O&M costs at publicly-operated sites. States will assume the cost for O&M after EPA's period of participation. Using the assumptions developed in the 1982 RIA for the NCP, EPA has assumed that 90% of the 57 non-Federal sites added to the NPL in this rule will be privately-owned and 10% will be State- or locally-operated. Therefore, using the budget projections presented above, the cost to States of undertaking Federal remedial planning and actions, but excluding O&M costs, would be approximately \$211 million. State O&M costs cannot be accurately determined because EPA, as noted above, will share O&M costs for up to 10 years for restoration of ground water and surface water, and it is not known how many sites will require this treatment and for how long. However, based on past experience, EPA believes a reasonable estimate is that it will share startup costs for up to 10 years at 25% of sites. Using this estimate, State O&M costs would be approximately \$183 million.

Placing a hazardous waste site on the final NPL does not itself cause firms responsible for the site to bear costs. Nonetheless, a listing may induce firms to clean up the sites voluntarily, or it may act as a potential trigger for subsequent enforcement or cost-recovery actions. Such actions may impose costs on firms, but the decisions to take such actions are discretionary and made on a case-by-case basis. Consequently, precise estimates of these effects cannot be made. EPA does not believe that every site will be cleaned up by a responsible party. EPA cannot project at this time which firms or industry sectors will bear specific portions of the response costs, but the

Agency considers: the volume and nature of the waste at the sites; the strength of the evidence linking the wastes at the site to the parties; the parties' ability to pay; and other factors when deciding whether and how to proceed against the parties.

Economy-wide effects of this amendment to the NCP are aggregations of effects on firms and State and local governments. Although effects could be felt by some individual firms and States, the total impact of this amendment on output, prices, and employment is expected to be negligible at the national level, as was the case in the 1982 RIA.

Benefits

The real benefits associated with today's amendment placing additional sites on the NPL are increased health and environmental protection as a result of increased public awareness of potential hazards. In addition to the potential for more federally-financed remedial actions, expansion of the NPL could accelerate privately-financed, voluntary cleanup efforts. Listing sites as national priority targets also may give States increased support for funding responses at particular sites.

As a result of the additional CERCLA remedies, there will be lower human exposure to high-risk chemicals, and higher-quality surface water, ground water, soil, and air. These benefits are expected to be significant, although difficult to estimate in advance of completing the RI/FS at these sites.

IX. Regulatory Flexibility Act Analysis

The Regulatory Flexibility Act of 1980 requires EPA to review the impacts of this action on small entities, or certify that the action will not have a significant impact on a substantial number of small entities. By small entities, the Act refers to small businesses, small government jurisdictions, and nonprofit organizations.

While modifications to the NPL are considered revisions to the NCP, they are not typical regulatory changes since the revisions do not automatically impose costs. The placing of sites on the NPL does not in itself require any action of any private party, nor does it determine the liability of any party for the cost of cleanup at the site. Further, no identifiable groups are affected as a whole. As a consequence, it is hard to predict impacts on any group. Placing a site on the NPL could increase the likelihood that adverse impacts to responsible parties (in the form of cleanup costs) will occur, but EPA cannot identify the potentially affected business at this time nor estimate the number of small businesses that might be affected.

The Agency does expect that certain industries and firms within industries that have caused a proportionately high percentage of waste site problems could be significantly affected by CERCLA actions. However, EPA does not expect the impacts from the listing of these 57 non-Federal sites to have a significant economic impact on a substantial number of small businesses.

In any case, economic impacts would occur only through enforcement and cost-recovery actions, which are taken at EPA's discretion on a site-by-site basis. EPA considers many factors when determining what enforcement actions to take, including not only the firm's contribution to the problem, but also the firm's ability to pay.

The impacts (from cost recovery) on small governments and nonprofit organizations would be determined on a similar case-by-case basis.

List of Subjects in 40 CFR Part 300

Air pollution control, chemicals, Hazardous materials, Intergovernmental relations, Natural resources, Oil pollution, Reporting and recordkeeping requirements, Superfund, Waste treatment and disposal, Water pollution control, Water supply.

Dated: February 9, 1990.

Don R. Clay,

Acting Assistant Administrator, Office of Solid Waste and Emergency Response.

40 CFR part 300 is amended as follows:

PART 300—[AMENDED]

1. The authority citation for part 300 continues to read as follows:

Authority: 42 U.S.C. 9605; 42 U.S.C. 9620; 33 U.S.C. 1321(c)(2); E.O. 11735 (38 FR 21243); E.O. 12580 (52 FR 2923).

2. Appendix B of part 300 is revised to read as set forth below.

BILLING CODE 6560-50-M

Appendix B-National Priorities List

National Priorities List (by Rank)
February 1990

National Priorities List (by Rank)
February 1990

MPL Rank	EPA Reg	St	Site Name	City/County
1	02	MI	Lipari Landfill	Allen
2	03	DE	Tybout Corner Landfill *	New Castle County
3	03	PA	Bruin Lagoon	Bruin Borough
4	02	MI	Helix Krome Landfill	Manitou Township
5	01	MA	Industrial Pile	Woburn
6	02	MI	Price Landfill *	Pleasantville
7	02	NY	Pollution Abatement Services *	Oswego
8	07	IA	Ladowny Site	Charles City
9	03	DE	Army Creek Landfill	New Castle County
10	02	MI	CPS/Medison Industries	Old Bridge Township
11	01	MA	Wyandz Chemical Waste Dump	Ashland
12	02	MI	SEB Landfill	Gloucester Township
13	05	MI	Berlin & Perce	Swartz Creek
14	01	MA	Beird & McGuire	Holbrook
15	02	MI	Lone Pine Landfill	Freehold Township
16	01	MA	Somersworth Sanitary Landfill	Somersworth
17	05	MI	FMC Corp. (Fridley Plant)	Fridley
18	06	AR	Vertac, Inc.	Jacksonville
19	01	MA	Keefe Environmental Services	Epping
20	08	MT	Silver Bow Creek/Butte Area	Silt Bow/Dier Lodge
21	08	ND	Whitehead Creek *	Whitehead
22	06	TX	French, Ltd.	Crosby
23	05	MI	Liquid Disposal, Inc.	Utica
24	01	MA	Sylwester *	Washou
25	03	PA	Tysons Dump	Upper Merion Twp
26	03	PA	McAdoo Associates *	McAdoo Borough
27	06	TX	Motco, Inc. *	La Marque
28	05	OH	Arccum Iron & Metal	Darke County
29	08	MT	East Helena Site	East Helena
30	06	TX	Sites Disposal Pits	Crosby
31	06	AL	Triana/Tennessee River	Limestone/Morgan
32	09	CA	Stringfellow *	Olen Avon Heights
33	01	ME	Hickin Co.	Gray
34	06	TX	Crystal Chemical Co.	Houston
35	02	MI	Bridgeport Petrol & Oil Services	Bridgeport
36	08	CO	Sand Creek Industrial	Commerce City
37	06	TX	Genens Industries/Fuhrman Energy	Houston
38	01	MA	V.R. Grace & Co Inc (Acton Plant) *	Acton
39	05	MI	Reilly Tar (St. Louis Park Plant) *	St. Louis Park
40	05	MI	New Brighton/Arden Mills	New Brighton
41	06	FL	Schuykill Metals Corp.	Plant City
42	08	MI	Vineyard Chemical Co., Inc.	Vinland
43	08	MI	Burnt Fly Bay	Marlboro Township
44	03	PA	Publiclor Industries Inc.	Philadelphia
45	02	NY	Old Bathpage Landfill	Oyster Bay
46	02	MI	Shieldley Corp.	Newfield Borough
47	04	FL	Reeves Southeast Galvanizing Corp	Tampa
48	08	MT	Anacoda Co. Smelter	Anacoda
49	10	WA	Washach Processing Co., Inc.	Kent
50	05	VI	Orange Hills North Landfill	Germentown

Group 1 (NRB Scores 75.60 - 58.54)

MPL Rank	EPA Reg	St	Site Name	City/County
51	04	FL	American Concrete (Pensacola Pit)	Pensacola
52	02	NY	Caldwell Trucking Co.	Fairfield
53	02	NY	GE Korea	South Glen Falls
54	06	OK	Tar Creek (Ottawa County)	Ottawa County
55	07	KS	Cherokee County	Cherokee County
56	05	IN	Seymour Recycling Corp. *	Seymour
57	05	OH	United Scrap Lead Co., Inc.	Troy
58	04	FL	Peak C.I. Co./Ray Drum Co.	Tampa
59	02	MI	Brick Township Landfill	Brick Township
60	02	MI	Brook Industrial Park	Bound Brook
61	05	RI	American Anodco, Inc.	Tonla
62	10	WA	Frontier Mfg Chrome, Inc.	Vancouver
63	05	VI	Janesville Old Landfill	Janesville
64	05	MI	Northmaine Paving	Cadillac
65	04	SC	Kaluda Specialty Chemicals	Beaufort
66	04	SC	Independent Mill Co.	Beaufort
67	05	VI	Janesville Ash Beds	Janesville
68	04	FL	Davie Landfill	Davie
69	05	OH	Alcoa (Yancovich Smelter)	Troy
70	10	WA	Alcoa (Yancovich Smelter)	Vancouver
71	04	FL	Gold Cold Oil Corp.	Miami
72	10	WA	General Electric (Spokane Shop)	Spokane
73	09	AZ	Tucson International Airport Area	Tucson
74	05	IN	International Minerals (E. Plant)	Terré Haute
75	05	VI	Wheeler Pit	Le Prairie Township
76	05	CA	Operating Industries, Inc. Landfill	Monterey Park
77	02	NY	Wide Beach Development	Grant
78	09	CA	Iron Mountain Mine	Redding
79	05	MI	Gretiot County Landfill *	St. Louis
80	01	RI	Picillo Farm *	Coventry
81	01	MA	New Bedford Site *	New Bedford
82	06	LA	Old Inger Oil Refinery *	Barron
83	05	OH	Chem-Dyne *	Hamilton
84	04	SC	SCDD Sluff Road *	Columbia
85	01	CT	Laurel Park, Inc. *	Wagawagatuk Borough
86	05	CO	Marshall Landfill *	Boulder County
87	05	IL	Outboard Marine Corp. *	Waukegan
88	06	MI	South Valley *	Albuquerque
89	01	VT	Pine Street Canal *	Burlington
90	03	WV	West Virginia Ordnance *	Point Pleasant
91	07	MO	Ellisville Site *	Ellisville
92	08	MO	Arsenic Tristide Site *	Southeastern MO
93	07	IA	Aldex Corp.	Council Bluffs
94	05	VI	M.V. Mauthe Co., Inc. *	Appleton
95	04	TX	North Hollywood Dump *	Memphis
96	04	TX	A.T. Taylor (Valley of Drums) *	Brooks
97	09	GU	Ordot Landfill *	Duan
98	04	MS	Flowood Site *	Flowood
99	08	UT	Rose Park Sludge Pit *	Salt Lake City
100	07	KS	Arkansas City Dump *	Arkansas Cit

Group 2 (NRB Scores 58.41 - 56.16, except for state top priority sites)

National Priorities List (by Rank)
February 1990

MPL Rank	EPA Reg St	Site Name	City/County
Group 4 (HHS Scores 52.29 - 49.33)			
151	05 MI	Vela/Col Chemical (Michigan)	St. Louis
152	05 OH	Summit National	Deerfield Township
153	02 NY	Love Canal	Niagara Falls
154	03 DE	Coker's Sanitation Service Landfill	Kent County
155	05 MI	Rockwell International (Alleghen)	Alleghen
156	05 MI	Pine Bend Sanitary Landfill	Dekota County
157	07 IA	Lawrence Todtz Farm	Camanche
158	05 IN	Fisher-Calo	LaPorte
159	04 FL	Pioneer Sand Co.	Merrington
160	05 MI	Springfield Township Dump	Devilburg
161	03 PA	Hranica Landfill	Buffalo Township
162	04 NC	Martin-Marlette, Sodpoco, Inc.	Charlotte
163	03 DE	E.I. Du Pont (Newport Plant 1)	Newport
164	03 PA	Hellertown Manufacturing Co.	Hellertown
165	04 FL	Zellwood Ground Water Contamin	Zellwood
166	05 MI	Packaging Corp. of America	Filer City
167	05 MI	Muskego Sanitary Landfill	Muskego
168	10 ID	Kerr-McCee Chemical(Soda Springs)	Soda Springs
169	02 NY	Hooker (S Area)	Niagara Falls
170	03 PA	Lindene Dump	Harrison Township
171	08 CO	Central City-Clear Creek	Idaho Springs
172	02 NJ	Ventron/Valsicol	Wood Ridge Borough
173	04 FL	Taylor Road Landfill	Seffner
174	01 RI	Western Sand & Gravel	Burrillville
175	02 NY	Rosen Brothers Scrap Y. d/Dump	Cortland
176	04 SC	Koppers Co Inc (Florem. Plant)	Florence
177	02 NJ	Maywood Chemical Co.	Maywood/Rochelle Pt
178	02 NJ	Mascolite Corp.	Millville
179	05 OH	Industrial Excess Landfill	Uniontown
180	06 OK	Hardege/Criher	Criher
181	05 MI	Rose Township Dump	Rose Township
182	05 MI	Waste Disposal Engineering	Andover
183	02 NY	Liberty Industrial Finishing	Farmingdale
184	02 NJ	Kin-Buc Landfill	Edison Township
185	05 IA	Waste, Inc., Landfill	Michigan City
186	05 OH	Bowers Landfill	Circleville
187	06 TX	Brio Refining, Inc.	Friendswood
188	02 NJ	Ciba-Geigy Corp.	Toms River
189	05 MI	Butterworth #2 Landfill	Grand Rapids
190	02 NJ	American Cyanamid Co.	Soud Brook
191	03 PA	Melvern Landfill	North Whitehall Twp
192	02 NJ	Even Property	Shamong Township
193	05 IL	Batavia Landfill	Batavia
194	05 MI	Woodstock Municipal Landfill	Woodstock
195	05 MI	Boise Cascade/Orion/Medtronics	Fridley
196	01 MI	Landfill & Resource Recovery	North Saltfield
197	05 MI	MI-Hill Manufacturing Co.	Highland
198	03 PA	Butler Mine Tunnel	Pittston
199	04 FL	Northwest 58th Street Landfill	Wialeah
200	02 NJ	Delliah Road	Egg Harbor Township

National Priorities List (by Rank)
February 1990

MPL Rank	EPA Reg St	Site Name	City/County
Group 3 (HHS Scores 55.97 - 52.29)			
101	02 NJ	Scientific Chemical Processing	Carlstadt
102	08 CO	California Gulch	Leadville
103	02 NJ	D'Isperio Property	Hamilton Township
104	05 MI	Oakdale Dump	Oakdale
105	05 IL	Parsons Castet Hardware Co.	Belvidere
106	05 IL	A & F Material Reclaiming, Inc.	Greenup
107	03 PA	Douglasville Disposal	Douglasville
108	05 MI	Koppers Coke	St. Paul
109	01 MA	Plymouth Harbor/Cannon Eng. Corp.	Plymouth
110	10 ID	Blaker Hill Mining & Metallurg	Smelterville
111	02 NY	Hudson River PCBs	Hudson River
112	02 NJ	Universal Oil Products(Chem Div)	East Rutherford
113	09 CA	Aerofjet General Corp.	Rancho Cordova
114	10 WA	Com Bay, South Tacoma Channel	Tacoma
115	03 PA	Osborne Landfill	Grove City
116	08 UT	Portland Cement (Klin Duet 2 & 3)	Salt Lake City
117	01 CT	Old Southington Landfill	Southington
118	02 NY	Spoast Landfill	Oyster Bay
119	02 NY	Circuitron Corp.	East Farmingdale
120	09 AZ	Nineteenth Avenue Landfill	Phoenix
121	10 OR	Teledyne Wah Chang	Albany
122	10 WA	Midway Landfill	Kent
123	02 NY	Sinclair Refinery	Bellville
124	04 AL	Howbery Engineering Co.	Greenville
125	05 MI	Spiegelberg Landfill	Green Oak Township
126	04 FL	Miami Drum Services	Miami
127	02 NJ	Reich Farm	Pleasant Plains
128	10 ID	Union Pacific Railroad Co.	Pocatello
129	02 NJ	South Brunswick Landfill	South Brunswick
130	03 PA	Raymark	Hatboro
131	04 AL	Ciba-Geigy Corp. (McIntosh Plant)	McIntosh
132	04 FL	Kassauf-Kierling Battery	Tempe
133	05 IL	Wauconda Sand & Gravel	Wauconda
134	05 MI	Bofors Hobel, Inc.	Muskegon
135	06 TX	Bailey Waste Disposal	Bridge City
136	01 NH	Ottati & Goss/Kingston Steel Drum	Kingston
137	05 MI	Ottatony/Cordova Chemical Co.	Dalton Township
138	05 MI	Thermo-Chem, Inc.	Muskegon
139	09 CA	Brown & Bryant, Inc.(Arvin Plant)	Arvin
140	03 VA	Greenwood Chemical Co.	Newtown
141	02 NJ	MI Industries	Pedricktown
142	05 MI	St. Regis Paper Co.	Casa Lake
143	04 VT	Brantley Landfill	Island
144	04 NC	Aberdeen Pesticide Dumps	Aberdeen
145	01 VT	Burgess Brothers Landfill	Woodford
146	02 NJ	Ringwood Mines/Landfill	Ringwood Borough
147	04 FL	Whitehouse Oil Pile	Whitehouse
148	04 GA	Hercules 009 Landfill	Brunswick
149	02 NY	Jones Sanitation	Hyde Park
150	01 VT	Parter Sanitary Landfill	Lyndon

National Priorities List (by Rank)
February 1990

Group 6 (NRS Scores 47.05 - 45.22)

NPL Rank	EPA Reg St	Site Name	City/County
251	05	Allied Chemical & Ironton Coke	Ironton
252	05	Verona Well Field	Battle Creek
253	07	Lee Chemical	Liberty
254	01	Beacon Heights Landfill	Beecon Falls
255	04	Stuyffer Chem (Cold Creek Plant)	Bucks
256	05	Burlington Northern (Brainerd)	Brainerd/Baxter
257	05	MI Torch Lake	Houghton County
258	01	RI Central Landfill	Johnston
259	03	PA Melvern ICE	Melvorn
260	02	NY Facet Enterprises, Inc.	Elmira
261	03	DE Delaware Sand & Gravel Landfill	New Castle County
262	03	PA Tonolli Corp.	Resquehoning
263	04	NC National Starch & Chemical Corp.	Salisbury
264	03	PA MJ Manufacturing	Valley Township
265	03	VA C & B Battery Co., Inc.	Chesterfield County
266	04	TM Murray-Ohio Dump	Lauranceburg
267	05	IN Envirochem Corp.	Zionsville
268	05	IN MIDCO I	Gary
269	05	OH Ormat Corp.	Nemhals
270	05	OH South Point Plant	South Point
271	01	CT Gallup's Quarry	Plainfield
272	03	PA Whitmeyer Laboratories	Jackson Township
273	04	FL Coleman-Evans Wood Preserving Co.	Whitehouse
274	02	NJ Dayco Corp./L.E. Carpenter Co.	Wharton Borough
275	03	PA Shriver's Corner	Straban Township
276	03	PA Dorney Road Landfill	Upper Macungie Twp
277	03	PA Berks Landfill	Spring Township
278	05	IA Northside Sanitary Landfill, Inc	Zionsville
279	05	IL Interstate Pollution Control, Inc	Rockford
280	06	OK Oklahoma Refining Co.	Cyril
281	09	CA Pacific Coast Pipe Lines	Fillmore
282	02	HJ Global Sanitary Landfill	Old Bridge Township
283	04	FL Florida Steel Corp.	Indiantown
284	03	PA Occidental Chem/Firestone Tire	Lower Pottsgrove Twp
285	03	VA Culpeper Wood Preservers, Inc.	Culpeper
286	05	IL Pegel's Pit	Rockford
287	05	MN University Minn Rosemount Res Cen	Rosemount
288	05	MN Freeway Sanitary Landfill	Burnsville
289	09	AZ Tansh Municipal Sanitary Landfill	Tansh
290	09	AZ Litchfield Airport Area	Goodyear/Avondale
291	09	CA Firestone Tire (Salinas Plant)	Salinas
292	02	NJ Spence Farm	Plumstead Township
293	06	AR Mid-South Wood Products	Mena
294	04	MS Messom Brothers/Old Reichhold	Columbia
295	09	CA Atlas Asbestos Mine	Fresno County
296	09	CA Coalinga Asbestos Mine	Coalinga
297	04	FL Brown Wood Preserving	Live Oak
298	02	NY Port Washington Landfill	Port Washington
299	05	IN Columbus Old Municipal Landfill #1	Columbus
300	02	NJ Combe Fill South Landfill	Chester Township

National Priorities List (by Rank)
February 1990

Group 5 (NRS Scores 49.31 - 47.10)

NPL Rank	EPA Reg St	Site Name	City/County
201	03	PA Mill Creek Dump	Erie
202	02	HJ Glen Ridge Radium Site	Glen Ridge
203	02	HJ Montclair/West Orange Radium Site	Montclair/W Orange
204	01	CT Precision Plating Corp.	Vernon
205	04	FL Sixty-Second Street Dump	Tampa
206	05	MI GM Landfill	Utica
207	01	VT Bennington Municipal Sanitary Lfl	Bennington
208	04	NC Calanese/Shelby Fiber Operations	Shelby
209	02	MI Metaltec/Aerosystems	Harrison
210	05	VI Schwalz Dump	Franklin Borough
211	04	MI Carrier Air Conditioning Co.	Collingsville
212	05	MI Motor Wheel, Inc.	Lansing
213	09	CA Southern Calif Edison (Visalia)	Visalia
214	02	NJ Long Property	Pemberton Township
215	06	TX Stewco, Inc.	Waskita
216	02	HJ Sharkey Landfill	Parsippany/Troy Hls
217	09	CA Selma Treating Co.	Selma
218	06	LA Cleve Reber	Sorrento
219	05	IL Veisicol Chemical (Illinois)	Marshall
220	07	MO Wheeling Disposal Service Co. Lf	Amazonia
221	05	MI Ter Lake	Mancelona Township
222	02	NY Johnston City Landfill	Town of Johnston
223	04	NC State U (Lot 86, Farm Unit #1)	Raleigh
224	08	CO Lowry Landfill	Arapahoe County
225	05	MI MacGillivray & Gibbs/Bell Lumber	New Brighton
226	03	PA Hunterston Road	Straban Township
227	03	MO Woodlawn County Landfill	Woodlawn
228	05	VI Nechimovich Sanitary Landfill	Williamstown
229	07	IA Mid-America Tanning Co.	Sergeant Bluff
230	07	ME Lindsay Manufacturing Co.	Lindsay
231	02	HJ Combe Fill North Landfill	Mount Olive Twp
232	01	MA Re-Solve, Inc.	Dartmouth
233	02	NJ Goose Farm	Plumstead Township
234	04	TM Veisicol Chem (Hardeman County)	Toone
235	02	NY York Oil Co.	Mohr
236	04	FL Sapp Battery Salvage	Cottondale
237	04	SC Wachsen, Inc.	Burton
238	02	HJ Chemical Leaman Tank Lines, Inc.	Bridgeport
239	05	VI Master Disposal Service Landfill	Brookfield
240	07	KS Deepke Disposal (Holliday)	Johnson County
241	02	HJ Florence Land Recontouring Landfill	Florence Township
242	01	RI Devle Liquid Waste	Saithfield
243	01	MA Charles-George Reclamation Landfill	Tyngsborough
244	02	NJ King of Prussia	Wilmington Township
245	03	VA Chisamen Creek	York County
246	05	OH Mease Chemical	Salem
247	08	CO Eagle Mine	Hinton/Redcliff
248	02	HJ Chemical Control	Elizabeth
249	04	NC Charles Macon Lagoon & Drum Stor	Cordova
250	04	SC Leonard Chemical Co., Inc.	Rock Hill

National Priorities List (by Rank)
February 1990

MPL EPA Rank Reg St Site Name City/County

Group 8 (NRS Scores 42.79 - 42.24)

351	06	FL	Standard Auto Rubber Corp.	Milveh
352	07	KS	Hydro-Flax Inc.	Topeka
353	09	AZ	Hessaye-2a Landfill	Mesaayampa
354	06	LA	Oul' Cocat Vacuum Services	Abbeville
355	05	IL	Tri-County L/Waste Mgmt Illinois	South Elgin
356	01	MA	Silresim Chemical Corp.	Lowell
357	01	MA	Mella G&H	Woburn
358	01	CT	Hutong Valley Road	Wolcott
359	02	NJ	Chemol, Inc.	Piscataway
360	05	VI	Leuar 1 Sanitary Landfill	Merconsee Falls
361	05	MI	Petoakey Municipal Well Field	Petoakey
362	05	MI	Union Scrap Iron & Metal Co.	Minneapolis
363	01	MA	Alba Tack Corp.	Fairhaven
364	02	NJ	Radiation Technology, Inc.	Rockaway Township
365	02	NJ	Fair Loan Well Field	Fair Loan
366	05	MI	Main Street Well Field	Elkhart
367	05	MI	Lehillier/Mankato Site	Lehillier/Mankato
368	03	WA	Lakewood Site	Lakewood
369	03	PA	Industrial Lane	Williams Township
370	04	FL	Airco Plating Co.	Miami
371	05	IN	Fort Wayne Reduction Dump	Fort Wayne
372	05	MI	Ouelaska Municipal Landfill	Ouelaska
373	03	PA	A.J.M. Frank/Mid-County Mustang	Eston
374	05	MI	Rational Presto Industries, Inc.	Eau Claire
375	02	NJ	Monroe Township Landfill	Monroe Township
376	03	PA	Comodore Semiconductor Group	Lower Providence Twp
377	02	NJ	Rockaway Borough Well Field	Rockaway Township
378	05	IL	Lenz Oil Service, Inc.	Lemont
379	05	IN	Wayne Waste Oil	Columbia City
380	10	WA	Pacific Car & Foundry Co.	Renton
381	07	IA	John Beere (Ottumwa Works Indfils)	Ottumwa
382	03	MD	Mid-Atlantic Wood Preservers, Inc	Hanover
383	03	PA	Kovak Sanitary Landfill	South Whitehall Twp
384	05	IN	Kimco Dump	Elkhart
385	10	ID	Pacific Hide & Fur Recycling Co.	Pocatello
386	07	IA	Des Moines TCE	Des Moines
387	02	NJ	Beachwood/Berkley Wells	Berkley Township
388	02	NY	South Jersey Clothing Co.	Minotola
389	02	NY	Vestal Water Supply Well 4-2	Vestal
390	02	PA	Vega Alta Public Supply Wells	Vega Alta
391	03	PA	Arco Lysolam (Williamsport Div)	Williamsport
392	05	IL	Southeast Rockford Grnd Wtr Con	Rockford
393	05	IN	Galen Myers Dump/Drum Salvage	Oceola
394	05	MI	Sturgis Municipal Wells	Sturgis
395	05	MI	Barrelle, Inc.	Lansing
396	05	MI	State Disposal Landfill, Inc.	Grand Rapids
397	05	MI	Washington County Landfill	Late Elmo
398	06	TX	Odeasa Chromium #1	Odeasa
399	06	TX	Odeasa Chromium #2 (Andrews Hwy)	Odeasa
400	07	IA	Electro-Coatings, Inc.	Cedar Rapids

National Priorities List (by Rank)
February 1990

MPL EPA Rank Reg St Site Name City/County

Group 7 (NRS Scores 45.14 - 42.84)

301	02	NJ	J18 Landfill	Jameburg/S. Brunswick
302	02	NY	Tronic Plating Co., Inc.	Farmingdale
303	03	PA	Centre County Keone	State College Boro
304	04	FL	Agrico Chemical Co.	Pensacola
305	05	OH	Fields Brook	Ashtabula
306	01	CT	Solvents Recovery Service New Eng	Southampton
307	08	CO	Wendbury Chemical Co.	Commerce City
308	02	NJ	Waldick Aerospace Devices, Inc.	Well Township
309	01	MA	Kocconzo Pond	Westborough
310	04	CT	Distler Brickyard	West Point
311	02	NY	Rampco Landfill	Rampco
312	09	CA	Coast Wood Preserving	Ukiah
313	09	CA	South Bay Asbestos Area	Alviso
314	02	NY	Mercury Refining, Inc.	Colonie
315	04	FL	Hollingsworth Solderless Terminal	Fort Lauderdale
316	02	NY	Olson Well Field	Glenn
317	09	CA	Fairchild Semiconductor(S San Jose)	South San Jose
318	10	MA	Pasco Sanitary Landfill	Pasco
319	05	MI	Joelyn Manufacturing & Supply Co.	Brooklyn Center
320	03	PA	York County Solid Waste/Refuse Lf	Hopewell Township
321	05	MI	Spletter Landfill	Spencer
322	08	CO	Denver Radium Site	Denver
323	02	NY	Tri-Cities Barral Co., Inc.	Port Crane
324	03	PA	Route 940 Drum Dump	Poccano Summit
325	04	FL	Tower Chemical Co.	Clermont
326	01	VT	Darling Hill Dump	Lynchon
327	03	PA	C & D Recycling	Foster Township
328	07	MO	Syntex Facility	Verona
329	08	MT	Milltown Reservoir Sediments	Milltown
330	05	MI	Arrowhead Refinery Co.	Hemantown
331	10	OR	Martin-Marietta Aluminum Co.	The Dalles
332	08	CO	Uravan Uranium (Union Carbide)	Uravan
333	02	NJ	Pijak Farm	Plumstead Township
334	02	NJ	Synco Refine	South Kearny
335	05	MI	Oak Grove Sanitary Landfill	Oak Grove Township
336	09	CA	Liquid Gold Oil Corp.	Richwood
337	09	CA	Purity Oil Sales, Inc.	Malaga
338	01	MI	Tinkham Garage	Lendonberry
339	04	FL	Alpha Chemical Corp.	Gallaway
340	02	MI	Bog Creek Farm	Howell Township
341	01	ME	Seco Tannery Waste Pits	Seco
342	03	PA	River Road L/Waste Mngmt, Inc.	Hershtoge
343	02	PR	Frontera Creek	Rio Abajo
344	04	FL	Pickettville Road Landfill	Jacksonville
345	05	OH	Alisco Anacoda	Gradenhutton
346	01	MA	Iron Horse Park	Billerica
347	03	PA	Palmerston Zinc Pile	Palmerston
348	05	IN	Reel's Landfill (Bloomington)	Bloomington
349	05	VI	Kohler Co. Landfill	Kohler
350	04	AL	Interstate Lead Co. (ILCO)	Leeds

National Priorities List (by Rank)
February 1990

HPL Rank	EPA Reg	St	Site Name	City/County
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Group 10 (HRS Scores 40.37 - 38.64)

451	06	WA	Cleveland Mill	Silver City
452	02	NJ	Denzer & Schafer X-Ray Co.	Bayville
453	02	WJ	Mercuries, Inc. (Gibbatown Plant)	Gibbatown
454	05	IN	14th Avenue Dump	Gary
455	03	MO	Bush Valley Landfill	Abingdon
456	04	SC	Golden Strip Septic Tank Service	Silepawville
457	04	SC	Rock Hill Chemical Co.	Rock Hill
458	06	TX	Texarkana Wood Preserving Co.	Texarkana
459	06	AR	Burley Pit	Edmondson
460	04	FL	Petroleum Products Corp.	Pembroke Park
461	01	RI	Peterson/Puritan, Inc.	Lincoln/Cumberland
462	07	MO	Times Beach Site	Times Beach
463	05	MI	Wash King Laundry	Pleasant Plains Twp
464	05	MI	Whittaker Corp.	Minneapolis
465	05	MI	Algonquin Municipal Landfill	Algonquin
466	05	MI	HL Industries/Tarcorp/Golden	St. Louis Park
467	09	CA	Westinghouse Elec (Sunnyvale Pit)	Sunnyvale
468	01	CT	Kellogg-Deering Well Field	Norwalk
469	03	PA	Boarhead Farms	Bridgeton Township
470	01	MA	Cannon Engineering Corp. (CEC)	Bridgewater
471	05	MI	H. Brown Co., Inc.	Grand Rapids
472	02	NY	Hepera Chemical Co., Inc.	Maybrook
473	02	NY	Wingara County Refuse	Wheatfield
474	04	AL	Sherwood Medical Industries	Deland
475	04	AL	Dilin Corp. (McIntosh Plant)	McIntosh
476	05	MI	Southeast Ottawa County Landfill	Park Township
477	02	NY	Kentucky Avenue Well Field	Hempstead
478	02	NY	Sol Lynn Industrial Transformer	Kouaton
479	06	TX	Asbestos Dump	Willington
480	02	WJ	Lee's Lane Landfill	Louisville
481	04	NY	Frit Industries	Walnut Ridge
482	06	AR	Amoco Chemicals (Joliet Landfill)	Joliet
483	05	IL	Fultz Landfill	Jackson Township
484	05	OH	New Hanover Cnty Airport Burn Pit	Millington
485	04	NC	Allied Plating, Inc.	Portland
486	10	OR	Cochocton Landfill	Franklin Township
487	03	PA	APP, Inc. (Glen Rock Facility)	Glen Rock
488	05	OH	JFD Electronics/Channel Master	Oxford
489	04	NC	Arllington Blending & Packaging	Arlington
490	04	TX	PAB Oil & Chemical Service, Inc.	Abbeyville
491	06	LA	Sydney Mine Sludge Ponds	Brandon
492	04	FL	Sydney Mine Sludge Ponds	Brandon
493	06	MI	Clemson Mining Corp.	Carrizozo
494	01	RI	Davis (GSR) Landfill	Glocester
495	03	PA	Lord-Shope Landfill	Girard Township
496	10	WA	FMC Corp. (Yakima Pit)	Yakima
497	05	MI	Northern Engraving Co.	Sparta
498	06	TX	South Cavalcade Street	Kouaton
499	01	MA	PSC Resources	Palmer
500	05	MI	Forest Waste Products	Ottisville

National Priorities List (by Rank)
February 1990

HPL Rank	EPA Reg	St	Site Name	City/County
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Group 9 (HRS Scores 42.24 - 40.37)

401	07	ME	Hastings Ground Water Contamin	Hastings
402	09	AZ	Indian Bend Wash Area	Scottsdale/Tempe/Phoenix
403	09	CA	San Gabriel Valley (Area 1)	El Monte
404	09	CA	San Gabriel Valley (Area 2)	Baldwin Park Area
405	09	CA	San Fernando Valley (Area 1)	Los Angeles
406	09	CA	San Fernando Valley (Area 2)	Los Angeles/Glendale
407	09	CA	San Fernando Valley (Area 3)	Glendale
408	09	CA	T.H. Agriculture & Nutrition Co.	Fresno
409	10	WA	Com Bay, Near Shore/Tide Flats	Pierce County
410	05	IL	LaSalle Electric Utilities	LaSalle
411	05	IL	Cross Brothers Pail (Pembroke)	Pembroke Township
412	04	GA	Cedertown Industries, Inc.	Cedertown
413	04	NC	Jacks-Kughes Facility	Belmont
414	05	IN	Southside Sanitary Landfill	Indianapolis
415	02	NJ	Monitor Devices/Intercircuits Inc	Wall Township
416	01	VT	BFI Sanitary Landfill(Rockingham)	Rockingham
417	02	PR	Upjohn Facility	Barceloneta
418	04	NC	Koppers Co Inc (Morrisville Plant)	Morrisville
419	09	CA	McColl	Fullerton
420	03	PA	Henderson Road	Upper Merion Twp
421	02	NY	Hooker Chemical/Ruco Polymer Corp	Hicksville
422	10	VA	Colbert Landfill	Colbert
423	06	LA	Petro-Processors of Louisiana Inc	Scottsbluff
424	02	NY	Applied Environmental Services	Glenwood Landing
425	02	PR	Barceloneta Landfill	Florida Afluera
426	01	MO	Hibbetts Road	Barrington
427	03	ND	Sand, Gravel & Stone	Elkton
428	03	PA	Delta Quarries/Stotler Landfill	Antis/Logan Twp
429	01	CT	Revere Textile Prints Corp.	Sterling
430	05	MI	Spartan Chemical Co.	Wyoming
431	02	WJ	Roebling Steel Co.	Florence
432	03	PA	East Mount Zion	Springettsbury Twp
433	04	GA	T.H. Agricul & Nutri (Albany)	Albany
434	04	IN	Ammicola Dump	Chattanooga
435	02	NJ	Vineyard State School	Vineyard
436	09	AZ	Motorola, Inc.(52nd Street Plant)	Phoenix
437	01	MA	Groveland Wells	Groveland
438	02	NY	General Motors (Cent Foundry Div)	Massena
439	01	VA	Mottolo Pig Farm	Raymond
440	03	WA	Buckingham County Landfill	Buckingham
441	04	SC	SCAD Bixiana	Cayce
442	05	MI	Roto-Finlah Co., Inc.	Kalamazoo
443	05	MI	Olmsted County Sanitary Landfill	Oranoco
444	07	MO	Quality Plating	Sikeston
445	05	IN	Prestolite Battery Division	Vincennes
446	07	MO	Fulbright Landfill	Springfield
447	02	WJ	Williams Property	Suwinon
448	02	WJ	Remore, Inc.	Washington Township
449	04	NC	FCR, Inc. (Washington Plant)	Washington
450	03	PA	Jacks Creek/Sittin Smelting & Ref	Haitland

National Priorities List (by Rank)
February 1990

MPL Rank	EPA Reg	St	Site Name	City/County
551	08 MT	MT	Libby Ground Water Contamination	Libby
552	04 KY	KY	Keopert Dump	Keopert
553	04 SC	SC	Sargamo/Thelwe-Mile/Hartwell PCB	Pickens
554	03 PA	PA	Hoyers Landfill	Eagleville
555	01 NH	NH	Savage Municipal Water Supply	Milford
556	05 MA	MA	L-Grand Sanitary Landfill	LeGrand Township
557	03 PA	PA	Brown's Battery Breaking	Hancock County
558	05 PA	PA	Shoemakerville	Shoemakerville
559	02 NY	NY	Deer Park	Deer Park
560	05 MI	MI	OSCODE	OSCODE
561	06 TX	TX	United Creosoting Co.	Conroe
562	02 NY	NY	Byron	Byron
563	05 MI	MI	Bendix Corp./Allied Automotive	St. Joseph
564	08 VT	VT	Baxter/Union Pacific Tile Treating	Lerama
565	02 NY	NY	Anchor Chemical	Hicksville
566	05 MI	MI	Waste Management-Mich (Holland)	Holland
567	03 VA	VA	Arrowhead Assoc./Scovill Corp.	Montross
568	03 VA	VA	Atlantic Wood Industries, Inc.	Portsmouth
569	06 TX	TX	North Cavalcade Street	Houston
570	02 NJ	NJ	Seyreville Landfill	Seyreville
571	01 NH	NH	Dover Municipal Landfill	Dover
572	02 NY	NY	Ludlow Sand & Gravel	Cloyville
573	03 VA	VA	Saunders Supply Co.	Chuckatuck
574	05 MI	MI	City Disposal Corp. Landfill	Dum
575	02 NJ	NJ	Tabernacle Drum Dump	Tabernacle Township
576	07 MO	MO	Minker/Stout/Ramaine Creek	Imperial
577	04 KY	KY	Hove Valley Landfill	Hove Valley
578	01 CT	CT	Yenoraki Waste Lagoon	Canterbury
579	03 WV	WV	Leetown Pesticide	Leetown
580	04 SC	SC	Rochester Property	Travelers Rest
581	04 FL	FL	Cabot/Koppers	Gainesville
582	02 NJ	NJ	Ever-Phillips Leasing	Old Bridge Township
583	03 PA	PA	William Dick Lagoon	West Cain Township
584	05 IN	IN	Douglas Road/Unifroyal, Inc., Lf	Mishawaka
585	03 PA	PA	Leckwasne Refuse	Old Forge Borough
586	06 OK	OK	Copress Industries (Avery Drive)	Tulsa
587	02 NJ	NJ	Memphis Avenue Dump	Galloway Township
588	05 IN	IN	Heal's Dump (Spencer)	Spencer
589	02 NY	NY	Fulton Terminals	Fulton
590	06 LA	LA	Dutchtown Treatment Plant	Ascension Parish
591	03 PA	PA	Westinghouse Elevator Co. Plant	Gettysburg
592	01 NH	NH	Auburn Road Landfill	Londonderry
593	03 WV	WV	File Chemical, Inc.	Mitro
594	05 MA	MA	General Mills/Henkel Corp.	Minneapolis
595	04 TN	TN	Wrigley Charcoal Plant	Wrigley
596	05 OH	OH	Larkin/Poplar Oil Co.	Jefferson Township
597	05 OH	OH	Old Mill	Rock Creek
598	04 SC	SC	Townsend Saw Chain Co.	Pontiac
599	07 KS	KS	Johns Sludge Pond	Uchita
600	05 VT	VT	Stoughton City Landfill	Stoughton

Group 12 (MS Scores 37.67 - 35.79)

National Priorities List (by Rank)
February 1990

MPL Rank	EPA Reg	St	Site Name	City/County
501	03 PA	PA	Drake Chemical	Lock Haven
502	01 MI	MI	Kearsarge Metallurgical Corp.	Conway
503	04 SC	SC	Palmetto Wood Preserving	Dixiana
504	05 IL	IL	Peteraan Sand & Gravel	Libertyville
505	05 MI	MI	Clare Water Supply	Clare
506	03 PA	PA	Nevertown PCB	Nevertown
507	03 DE	DE	New Castle Spill	New Castle County
508	07 MO	MO	St. Louis Airport/HIS/Put Coatings	St. Louis County
509	08 MT	MT	Tobho Pole Co.	Bozeman
510	03 DE	DE	HCR Corp. (Millsboro Plant)	Millsboro
511	05 IN	IN	Lake Sandy Jo (RAM Landfill)	Gary
512	05 IL	IL	Johns-Nemville Corp.	Waukegan
513	05 MI	MI	Chem Central	Temperance
514	05 MI	MI	Movaco Industries	Pemscote
515	04 FL	FL	Baulah Landfill	Widow
516	05 MA	MA	Windom Dump	South Kingstown
517	01 NJ	NJ	Rose Hill Regional Landfill	Jackson Township
518	02 NJ	NJ	Jackson Township Landfill	Granite City
519	05 IL	IL	HL Industries/Teracorp Lead Smelt	Pelee Valley
520	04 NY	NY	Red Penn Sanitization Co. Landfill	Oshkemo Township
521	05 MI	MI	624 Avenue Landfill	Milverne
522	05 OH	OH	TAU, Inc. (Minerva Plant)	Head
523	10 WA	WA	Kaiser Aluminum Head Works	Oklahoma City
524	06 OK	OK	Hosley Road Sanitary Landfill	Barhamsted
525	01 CT	CT	Barhamsted-New Hartford Landfill	Barham
526	05 MI	MI	Perham Arsenic Site	Charlevoix
527	05 MI	MI	Charlevoix Municipal Well	Montgomery Township
528	02 NJ	NJ	Montgomery Township Housing Devel	Rocky Hill Borough
529	02 NJ	NJ	Rocky Hill Municipal Well	Cinnaminson Township
530	02 NJ	NJ	Cinnaminson Ground Water Contamin	Putnam County
531	02 NY	NY	Brewster Well Field	Vestal
532	02 NY	NY	Vestal Water Supply Well 1-1	Bally Borough
533	03 PA	PA	Bally Ground Water Contamination	Pompano Beach
534	04 FL	FL	Cheerform, Inc.	Pompano Beach
535	04 FL	FL	Wilson Concepts of Florida, Inc.	Concord
536	04 NC	NC	Bypass 601 Ground Water Contamin	Statesville
537	04 NC	NC	FCX, Inc. (Statesville Plant)	Cayce
538	04 SC	SC	Lexington County Landfill Area	Kalamazoo
539	05 MI	MI	Michigan Disposal(Cork Street Lf)	Republic
540	07 MO	MO	Solid State Cifruits, Inc.	Haverly
541	07 UT	UT	Haverly Ground Water Contamin	Salt Lake City
542	08 UT	UT	Utah Power/Light/American Barrel	Summerville
543	09 CA	CA	Advanced Micro Devices, Inc.	Pierce County
544	10 WA	WA	Midway Valley Landf (Thun Field)	Yakima
545	10 WA	WA	Yakima Plating Co.	Paribault
546	05 MA	MA	Mutting Truck & Caster Co.	Orange
547	05 NJ	NJ	U.S. Radium Corp.	Detroit
548	05 MI	MI	Center Industrials, Inc.	Highlands
549	04 TX	TX	Highlands Acid Pit	Jefferson Borough
550	03 PA	PA	Resin Disposal	

Group 11 (MS Scores 38.52 - 37.69)

National Priorities List (by Rank)
February 1990

MPL Rank	EPA Reg	St	Site Name	City/County
Group 13 (HRS Scores 35.79 - 35.34)				
601	09	CA	Del Norte Pesticide Storage	Crecent City
602	03	VA	Suffolk City Landfill	Suffolk
603	01	VT	Tamilton Electronics, Inc.	Bemington
604	02	NJ	De Beul Chemical Co.	Kingswood Township
605	03	PA	Middletown Air Field	Middletown
606	02	NJ	Suope Oil & Chemical Co.	Pennsauken
607	04	GA	Monasanto Corp. (Augusta Plant)	Augusta
608	01	IN	South Municipal Water Supply Well	Peterborough
609	01	ME	Winthrop Landfill	Winthrop
610	03	WV	Ordnance Works Disposal Areas	Morgantown
611	05	OH	Zanesville Well Field	Zanesville
612	02	NY	Suffern Village Well Field	Village of Suffern
613	02	NY	Endicott Village Well Field	Village of Endicott
614	03	DE	Dover Gas Light Co.	Dover
615	03	PA	Aladdin Plating	Scott Township
616	03	PA	North Penn - Area 1	Souderton
617	03	PA	North Penn - Area 7	North Wales
618	03	PA	North Penn - Area 6	Lendale
619	03	PA	North Penn - Area 2	Hatfield
620	03	PA	North Penn - Area 5	Montgomery Township
621	04	FL	Harris Corp. (Palm Bay Plant)	Palm Bay
622	05	IL	DuPage Cty Ldb/Blackwell Forest	Warrenville
623	05	MI	Kumar Sanitary Landfill	Dayton
624	05	OH	Sanitary Landfill Co. (LMO)	Eau Claire
625	01	WV	Eu Claire Municipal Well Field	Los Lunas
626	04	WA	Pagano Salvage	Valley Park
627	07	MO	Valley Park TCE	Los Angeles
628	09	CA	San Fernando Valley (Area 4)	Sunnyvale
629	09	CA	Monolithic Memories	Santa Clara
630	09	CA	National Semiconductor Corp.	Fresno
631	09	CA	Fresno Municipal Sanitary Landfill	San Bernardino
632	09	CA	Newmark Ground Water Contamin	Peach County
633	04	CA	Powersville Site	Meramec
634	05	MI	Grand Traverse Overall Supply Co.	Saratoga Springs
635	05	MI	Metamora Landfill	Whiteland
636	02	NY	Magara Mohawk Power(Saratoga Sp)	Bellevue City
637	05	MI	Whiteland Municipal Wells	Andover
638	03	DE	Standard Chlorine of Delaware, Inc	Newark
639	05	MI	South Andover Site	Indianapolis
640	02	WJ	Diamond Alkali Co.	Hillford
641	05	IN	Carter Lee Lumber Co.	Front Royal
642	01	IN	Fletcher's Paint Works & Storage	Kentwood
643	03	VA	Avon Fibers, Inc.	Buchanan
644	05	MI	Kentwood Landfill	Mountain View
645	05	MI	Electronics	Mountain View
646	09	CA	Jasco Chemical Corp.	Jobos
647	02	NY	Katonah Municipal Well	
648	07	KS	29th & Mead Ground Water Contamin	
649	09	CA	Telephma Semiconductor	
650	02	PR	Fibers Public Supply Wells	

National Priorities List (by Rank)
February 1990

MPL Rank	EPA Reg	St	Site Name	City/County
Group 14 (HRS Scores 35.27 - 34.19)				
651	03	VA	Dixie Caverna County Landfill	Salem
652	05	IN	Marion (Bragg) Dump	Marion
653	05	OH	Pristine, Inc.	Reading
654	05	VI	Mid-State Disposal, Inc. Landfill	Cleveland Township
655	06	TX	American Cresoote (Jackson Plant)	Jackson
656	02	CD	Broderick Wood Products	Denver
657	02	NY	C & J Disposal Leasing Co. Dump	Hamilton
658	05	OH	Buckeye Reclamation	St. Clairsville
659	02	NY	Preferred Plating Corp.	Farmingsdale
660	06	TX	Bio-Ecology Systems, Inc.	Grand Prairie
661	08	UT	Monticello Rad Contaminated Props	Monticello
662	02	MI	Woodland Route 532 Dump	Woodland Township
663	05	IN	American Chemical Service, Inc.	Griffith
664	01	MA	Salem Acres	Salem
665	02	NY	Richardson Hill Road Landfill/Pond	Slohey Center
666	01	VT	Old Springfield Landfill	Springfield
667	03	PA	Bell Landfill	Terry Township
668	02	NY	Solvent Sovers	Linctaen
669	03	VA	U.S. Titanium	Piney River
670	05	IL	Galesburg/Koppers Co.	Galesburg
671	09	CA	J.H. Baxter & Co.	Weed
672	02	NY	Hooker (Hyda Park)	Wiegara Falls
673	05	MI	SCA Independent Landfill	Muskegon Heights
674	02	NY	Action Anodizing/Plating Polish	Copogue
675	09	CA	MGM Brates	Cloverdale
676	06	LA	Bayou Sorrel Site	Bayou Sorrel
677	05	IL	N.O.D. Landfill	Antioch
678	05	MI	Duell & Gardner Landfill	Delton Township
679	10	WA	Mice Landfill	Mice
680	02	NJ	Ellie Property	Evesham Township
681	04	KY	Distler Farm	Jefferson County
682	09	CA	Waste Disposal, Inc.	Santa Fe Springs
683	10	WA	Harbor Island (Lead)	Seattle
684	05	VI	Lemberger Transport & Recycling	Franklin Township
685	05	OH	E.N. Schilling Landfill	Hamilton Township
686	02	MI	Cliff/Dow Dump	Marquette
687	02	NY	Clothier Disposal	Town of Granby
688	03	PA	Abler Asbestos Piles	Abler
689	10	WA	Queen City Farms	Maple Valley
690	02	MI	Curcio Scrap Metal, Inc.	Saddle Brook Twp
691	03	VA	L.A. Clarke & Son	Spotsylvania County
692	05	MI	Scrap Processing Co., Inc.	Medford
693	03	MO	Southern Maryland-Wood Treating	Hollywood
694	05	IL	Ilwaco Energy Co.	East Cape Girardeau
695	05	MI	Kaydon Corp.	Muskegon
696	05	VI	Sauk County Landfill	Excelsior
697	06	MI	Kewatake Mining Co.	Millan
698	06	TX	Dixie Oil Processors, Inc.	Porterswood
699	09	CA	Beckman Instruments (Porterville)	Porterville
700	05	MI	Muskegon Chemical Co.	Whitehall

National Priorities List (by Rank)
February 1990

WPL EPA Site Name City/County

Group 16 (NRS Scores 33.62 - 32.27)

WPL EPA Site Name City/County

Group 15 (NRS Scores 34.18 - 33.62)

751	02	NY	Hertel Landfill	Plettskill
752	02	NY	Naviland Complex	Town of Hyde Park
753	02	NY	Malte Rocket Fuel Area	Malte
754	02	NY	Jones Chemicals, Inc.	Caladonia
755	03	PA	Saegertown Industrial Area	Saegertown
756	04	CA	Cadartown Municipal Landfill	Cadartown
757	05	MI	Kent City Mobile Home Park	Kent City
758	05	MI	Adrian Municipal Well Field	Adrian
759	06	MI	AT & SF (Clovla)	Clovla
760	07	K3	Strother Field Industrial Park	Cowley County
761	07	K3	Obee Road	Mitchison
762	09	CA	CIS Printer, Inc.	Mountain View
763	02	NY	Fried Industries	East Brunswick Twp
764	02	NY	American Thermostat Co.	South Cairo
765	08	MO	Mint Landfill	Mint
766	04	TX	Lewisburg Dump	Lewisburg
767	05	MI	McGraw Edison Corp.	Albion
768	02	NY	Goldac Recordings, Inc.	Holbrook
769	02	NY	Talip Municipal Sanitary Landfill	Talip
770	04	CA	Sola Optical USA, Inc.	Petaluma
771	09	CA	Airco	Calvert City
772	03	PA	Metal Banks	Philadelphia
773	05	IL	Yemen Creek Landfill	Uaukegan
774	02	NY	Sarmey Farm	Amenia
775	05	MI	Follettens Refuse	Grand Rapids
776	01	MA	Rose Disposal Pit	Lanesboro
777	05	OH	Van Dale Junkyard	Marlette
778	08	MT	Montana Pole and Treating	Butte
779	04	NC	Gelby Chemical Corp(Aberdeen Pit)	Aberdeen
780	04	NY	B.F. Goodrich	Calvert City
781	04	NY	General Tire/Rubber(Mayfield Lnf)	Mayfield
782	05	MI	Organic Chemicals, Inc.	Grandville
783	02	NY	Bioclinical Laboratories, Inc.	Bohemia
784	02	NY	Volney Municipal Landfill	Town of Volney
785	02	NY	PAC Corp. (Dublin Road Landfill)	Town of Shelby
786	05	VI	Tomah Fairgrounds	Tomah
787	01	MA	Sullivan's Ledge	New Bedford
788	04	NY	Salich's Farm	Brooks
789	05	VI	Madison Metro Sewer District Leg	Blooming Grove
790	10	OR	Joseph Forest Products	Joseph
791	02	PA	Juncos Landfill	Juncos
792	07	K3	Big River Sand Co.	Michite
793	05	IN	Bennett Stone Quarry	Bloomington
794	10	MA	Hyckoff Co./Eagle Harbor	Bainbridge Island
795	04	SC	Beaunite Corp(Circular Knit & Dye)	Fountain Inn
796	02	FL	Industrial Latex Corp.	Wellingtton Borough
797	04	FL	Munipast Landfill	North Miami
798	06	LA	D.L. Mud, Inc.	Abbeville
799	04	AL	Stauffer Chem (Lukome Plant)	Asla
800	02	NY	MAT Delisa Landfill	Abury Park

701	04	FL	Dubose Oil Products Co.	Centonment
702	05	MI	Huron County Landfill	Pere Marquette Twp
703	07	IA	Cemetery Dump	Rose Center
704	07	IA	Red Oak City Landfill	Red Oak
705	05	IN	Lakeland Disposal Service, Inc.	Claypool
706	02	KJ	Hopkine Farm	Plumstead Township
707	04	NC	Cape Fear Wood Preserving	Fayetteville
708	01	RI	Stamam Hills, Inc.	North Smithfield
709	05	IN	Lumberger Landfill, Inc.	Whitewater
710	05	IN	Reilly Tar (Indianapolis Plant)	Indianapolis
711	01	ME	Pineite's Salvage Yard	Uashburn
712	01	CT	Durham Meadows	Durham
713	03	DE	Tyler Refrigeration Pit	Smyrna
714	05	MI	Kysor Industrial Corp.	Cadillac
715	09	CA	Lorentz Barrel & Drum Co.	San Jose
716	02	NY	Wilson Farm	Plumstead Township
717	02	NY	Conklin Dumps	Conklin
718	03	PA	Old City of York Landfill	Seven Valleys
719	03	PA	Modern Sanitation Landfill	Lower Windsor Twp
720	05	IL	Byron Salvage Yard	Byron
721	05	MI	North Bronson Industrial Area	Bronson
722	03	PA	Stanley Kessler	King of Prussia
723	04	SC	Helene Chemical Co. Landfill	Fairfax
724	07	MO	Ken-Pest Laboratories	Cape Girardeau
725	02	NY	Imperial Oil/Champion Chemicals	Morgantown
726	02	NY	Coden Chemical Coatings Corp.	Beverly
727	05	MI	St. Augusta San Landfill/Engen Dump	St. Augusta Township
728	02	NY	Myers Property	Franklin Township
729	02	NY	Pepe Field	Boonton
730	04	NY	Tri-City Disposal Co.	Shepherdsville
731	10	MA	Northwest Transformer	Eversham
732	02	NY	Gonzalez Plating Co.	Franklin Square
733	05	MI	Albion-Sheridan Township Landfill	Albion
734	05	MI	Sheboygan Harbor & River	Sheboygan
735	05	MI	Oasineke Ground Water Contamin	Oasineke
736	03	WV	Follensbee Site	Follensbee
737	03	PA	Keystone Sanitation Landfill	Union Township
738	04	NC	Caroline Transformer Co.	Fayetteville
739	02	NY	Carroll & Dubles Sewage Disposal	Port Jervis
740	02	NY	North Sea Municipal Landfill	North Sea
741	03	PA	Bendix Flight Systems Division	Bridgewater Township
742	09	CA	Koppers Co Inc (Oroville Plant)	Oroville
743	09	CA	Louisiana-Pacific Corp.	Woodstock
744	01	CT	Linnemeter Switch Corp.	Farrington
745	03	VA	H & W Inc., Burn Pit	Maccomb Township
746	05	MI	South Macomb Disposal (Lf 9 & 9A)	Howard Township
747	05	MI	U.S. Aviaz	Mount Holly
748	03	PA	Walsh Landfill	Upper Deerfield Twp
749	02	PA	Landfill & Development Co.	
750	02	NY	Upper Deerfield Township San Lndf	

National Priorities List (by Rank)
February 1990

WPL EPA Rank Reg St Site Name City/County

Group 16 (NRS Scores 31.45 - 30.48)

851	07	IA	Vogel Paint & Wax Co.	Orange City
852	05	MI	Kurt Manufacturing Co.	Fridley
853	05	MI	Parsons Chemical Works, Inc.	Grand Lodge
854	03	PA	Revere Chemical Co.	Hockessin Township
855	05	MI	Jonis City Landfill	Jonis
856	06	TX	Koppers Co Inc (Tasarkana Plant)	Tasarkana
857	08	CO	Lincoln Park	Canon City
858	06	CO	Shagler Mountain	Pitkin County
859	05	IL	Wedeb Enterprises, Inc.	Lebanon
860	02	PR	GE Wiring Devices	Juana Diaz
861	07	MO	Missouri Electric Works	Cape Girardeau
862	05	MI	Avenue 48 Ground Water Contamin	Traverse City
863	05	OH	New Lyme Landfill	New Lyme
864	02	WJ	Woodland Route 72 Dump	Woodland Township
865	02	PR	BCA Del Caribe	Barceloneta
866	05	MI	Koch Refining Co./N-Ren Corp.	Pine Bend
867	04	FL	Piper Aircraft/Vero Beach Ultrar	Vero Beach
868	03	PA	Broadhead Creek	Stroudsburg
869	05	VI	Padrowski Drum Disposal	Franklin
870	10	OR	United Chrome Products, Inc.	Corvallis
871	04	FL	Ameyne, Inc.	North Miami Beach
872	03	PA	Eastern Diversified Metals	Honolua
873	05	MI	Anderson Development Co.	Adrian
874	05	VI	Kurtz Disposal Landfill	Caledonia
875	05	MI	Shiawassee River	Howell
876	06	OK	Tenth Street Dump/Junkyard	Oklaheam City
877	10	AK	Alaska Battery Enterprises	Fairbanks Star Bor
878	03	PA	Taylor Borough Dump	Taylor Borough
879	03	DE	Halby Chemical Co.	New Castle
880	04	AL	Rebwing Carriers, Inc. (Saraland)	Saraland
881	06	OK	Double Eagle Refinery Co.	Oklaheam City
882	04	GA	Mathis Bros LP (S Marble Top Rd)	Kennington
883	03	DE	Harvey & Knott Drum, Inc.	Kirkwood
884	04	TX	Galloway Pile	Galloway
885	05	OH	Big D Campground	Kingsville
886	04	AR	Midland Products	Ola/Birza
887	02	NY	Robintech, Inc./National Pipe Co.	Town of Vestal
888	02	NY	BEC Trucking	Town of Vestal
889	03	PA	Strasburg Landfill	Keelin Township
890	04	OK	Fourth Street Abandoned Refinery	Oklaheam City
891	02	NJ	Visco Chemical Corp.(Oakland Plt)	Oakland
892	05	VI	Toush Amory	Toush
893	03	DE	Vilicat Landfill	Dover
894	05	MI	Burrone Sanitation	Hartford
895	03	PA	Bloomsburg Landfill	West Cain Township
896	03	VA	Rhinhart Tire Fire Dump	Frederick County
897	10	WA	Northwest Transformer(S Markness)	Everton
898	03	DE	Delaware City PVC Plant	Delaware City
899	03	MD	Limestone Road	Cumberland
900	02	NY	Hooker (102nd Street)	Wagars Falls

National Priorities List (by Rank)
February 1990

WPL EPA Rank Reg St Site Name City/County

Group 17 (NRS Scores 32.26 - 31.65)

801	08	TX	Crystal City Airport	Crystal City
802	04	SC	Belger (C & M Oil)	Rainbowles
803	05	VI	Boas-American/Terr-McCee Oil Co.)	Hillside
804	03	MI	Waste Research & Reclamation Co.	Emu Claire
805	10	OR	Gould, Inc.	Portland
806	01	ME	Union Chemical Co., Inc.	South Hope
807	02	NY	Cortese Landfill	Vill of Narrowsburg
808	09	CA	Montrose Chemical Corp.	Torrance
809	05	MI	St. Louis River Site	St. Louis County
810	05	MI	Auto Ion Chemicals, Inc.	Kalamazoo
811	03	PA	Recticon/Allied Steel Corp.	East Coventry Twp
812	03	VI	Wegon Farm	Stoughton
813	04	SC	Caroleen, Inc.	Fort Leno
814	07	IA	Hibbert Manufacturing/North Farm	Kelllogg
815	03	PA	Berks Sand Pit	Longswamp Township
816	09	CA	Valley Wood Preserving, Inc.	Turlock
817	03	PA	Butz Landfill	Stroudsburg
818	04	FL	City Industries, Inc.	Orlando
819	05	MI	Sparto Landfill	Sparto Township
820	05	IL	Acme Solvent (Morristown Plant)	Morristown
821	01	MI	Holton Circle Ground Water Contam	Lombardery
822	02	WJ	Peonua Deka Residential Wells	Galloway Township
823	02	NY	Rowe Industries Ground Water Cont	Wapack/Sag Harbor
824	03	PA	Hebelts Auto Salvage Yard	Watersberg Township
825	04	FL	Hippe Road Landfill	Duval County
826	05	MI	Long Prairie Ground Water Contam	Long Prairie
827	05	MI	Waite Park Wells	Waite Park
828	09	CA	Applied Materials	Santa Clara
829	09	CA	Intel Magnetics	Santa Clara
830	09	CA	Intel Corp. (Santa Clara III)	Santa Clara
831	09	CA	TBU Microwave, Inc (Building 825)	Sunnyvale
832	09	CA	Synertek, Inc. (Building 1)	Medley
833	04	FL	Pepper Steel & Alloys, Inc.	Sten Cove
834	02	NY	Mattiace Petrochemical Co., Inc.	Augusta
835	01	ME	O'Connor Co.	Ashippin
836	05	VI	Oconomoc Electroplating Co. Inc	Kokomo
837	05	IN	Continental Steel Corp.	Green Oak Township
838	05	MI	Reamman's Dump	Farmingdale
839	02	NY	Kenmark Textile Corp.	Fort Lauderdale
840	04	FL	Wingate Road Munic Incinerat Dump	Westline
841	03	PA	Westline Site	Hillsboro
842	04	NY	Mosey Flats Nuclear Disposal	Mazebwood
843	04	NC	Benfield Industries, Inc.	Columbia
844	08	NY	Hout Industries	Rochester Hills
845	05	MI	J & L Landfill	Old Bethpage
846	02	NY	Clermont Polychemical	Dayton
847	05	OH	Powell Road Landfill	Croydon
848	03	PA	Croydon TCE	Gaffney
849	04	SC	Medley Farm Drum Dump	Greer
850	04	SC	Elmore Waste Disposal	

National Priorities List (by Rank)
February 1990

MPL Rank	EPA Reg St	Site Name	City/County
Group 20 (NRS Scores 29.28 - 28.50, except for health advisory sites)			
951	10	10	Arcon (Drexler Enterprises)
952	01	10	Coakley Landfill
953	04	10	Potter's Septic Tank Service Pits
954	04	10	ABC One Hour Cleaners
955	03	10	Fischer & Porter Co.
956	03	10	Elizabethtown Landfill
957	06	10	Artwood, Inc.
958	09	10	Jilboom Junkyard
959	02	10	A. D. Polymer
960	05	10	Wesau Ground Water Contamination
961	02	10	Dover Municipal Well #4
962	02	10	Rockaway Township Wells
963	02	10	Ponahcong Valley Ground Water Con
964	02	10	Garden State Cleaners Co.
965	03	10	Sussex County Landfill No. 5
966	03	10	North Penn - Area 12
967	05	10	Delavan Municipal Well #4
968	07	10	North-U Drive Well Contamination
969	09	10	San Gabriel Valley (Area 3)
970	09	10	San Gabriel Valley (Area 4)
971	09	10	American Lake Gardens
972	10	10	Greencross Landfill
973	10	10	Northside Landfill
974	10	10	Sand Springs Petrochemical Capix
975	06	10	Pease Chemical Co.
976	06	10	Metal Working Shop
977	05	10	East Bethel Demolition Landfill
978	06	10	Triangle Chemical Co.
979	06	10	PJP Landfill
980	02	10	Craig Farm Drum
981	03	10	Belvidere Municipal Landfill
982	05	10	Bee Cee Manufacturing Co.
983	07	10	Cryochem, Inc.
984	03	10	Kerffman & Hinteer, Inc.
985	02	10	Lewisborne Radiation Site
986	03	10	Forest Glen Mobile Home Subdivis
987	02	10	Radium Chemical Co., Inc.
988	02	10	Radium Chemical Co., Inc.

Number of MPL Sites: 988

* = State top priority site

National Priorities List (by Rank)
February 1990

MPL Rank	EPA Reg St	Site Name	City/County
Group 19 (NRS Scores 30.47 - 29.28)			
901	02	10	Migline Farm
902	10	10	American Crossarm & Conduit Co.
903	06	10	United Nuclear Corp.
904	03	10	Resser's Landfill
905	03	10	Rentokil, Inc. (VA Wood Pres Div)
906	06	10	Industrial Waste Control
907	09	10	Celtor Chemical Works
908	01	10	Haverhill Municipal Landfill
909	04	10	Pendido Ground Water Contamin
910	02	10	Marathon Battery Corp.
911	02	10	Colesville Municipal Landfill
912	04	10	Yellow Water Road Dump
913	04	10	Marzone Inc./Chevron Chemical Co.
914	05	10	Skinner Landfill
915	03	10	First Piedmont Quarry (Route 719)
916	04	10	Chemtronica, Inc.
917	05	10	RIDCO II
918	06	10	Sheridan Disposal Services
919	07	10	Peter Refinery Co.
920	03	10	Kane & Lombard Street Drums
921	07	10	Shenandoah Stables
922	04	10	Firestone Tire (Albany Plant)
923	07	10	Shaw Avenue Dump
924	03	10	Bentley Products Co. Dump
925	10	10	Silver Mountain Mine
926	06	10	Petro-Chemical (Turtle Bayou)
927	05	10	Republic Steel Corp. Quarry
928	07	10	Conservation Chemical Co.
929	05	10	Altari Post & Pole
930	06	10	Bayou Bonfouca
931	09	10	Intel Corp. (Mountain View Plant)
932	09	10	Raytheon Corp.
933	09	10	Mexlett-Packard(420-40 Page Mill)
934	05	10	Apate Lake Scrapyard
935	05	10	Adams Plating
936	06	10	Jacksonville Municipal Landfill
937	06	10	Peters Road Municipal Landfill
938	03	10	Saltville Waste Disposal Ponds
939	01	10	Seco Municipal Landfill
940	04	10	Palmetto Recycling, Inc.
941	01	10	Shock Landfill
942	03	10	Klaberton Site
943	04	10	Hellury Capacitor Co.
944	01	10	Bonwood PCBs
945	02	10	Warwick Landfill
946	02	10	Sidney Landfill
947	10	10	Old Inland Pit
948	10	10	Pesticide Lab (Yakima)
949	05	10	Lemon Lane Landfill
950	05	10	Tri-State Plating

National Priorities List,
Federal Section (by Group)
February 1990

NPL Gr. 1	St	Site Name	City/County	NPL Gr. 1	St	Site Name	City/County
1	WA	Hanford 200-Area (USDOE)	Benton County	7	ME	Brunswick Naval Air Station	Brunswick
1	WA	Hanford 300-Area (USDOE)	Benton County	7	CO	Air Force Plant PJKS	Waterton
1	CO	Rocky Flats Plant (USDOE)	Golden	7	NJ	Pfizer/Inny Arsenal	Rockaway Township
1	CA	Riverbank Army Ammunition Plant	Riverbank	8	FL	Pensacola Naval Air Station	Pensacola
1	NM	Cal West Metals (USSBA)	Lomitar	9	CA	Sharpe Army Depot	Lathrop
1	HO	Weldon Spring (USDOE/Army)	St. Charles County	9	OK	Tinker AFB (Soldier Cr/Bldg 3001)	Oklahoma City
2	CO	Rocky Mountain Arsenal	Adams County	9	CA	Fort Ord	Marina
2	TN	Milan Army Ammunition Plant	Milan	9	CA	Lawrence Livermore Lab (USDOE)	Livermore
2	PA	Naval Air Develop Center (8 Areas)	Warminster Township	9	MA	Fort Devens	Fort Devens
2	CA	McClellan AFB (Ground Water Cont)	Sacramento	9	WA	McChord AFB (Wash Back/Treatment)	Tacoma
2	OH	Wright-Patterson Air Force Base	Dayton	9	IL	Savanna Army Depot Activity	Savanna
2	OH	Feed Materials Prod Cent (USDOE)	Fernald	10	NY	Brookhaven National Lab (USDOE)	Upton
3	WA	Bonneville Power Adm Poss (USDOE)	Vancouver	10	CA	Norton Air Force Base	San Bernardino
3	MD	Aber Prov Ground-Edgewood Area	Edgewood	10	WA	Naval Air Sta, Whid Is (Seaplane)	Whidbey Island
4	ID	Idaho National Engin Lab (USDOE)	Idaho Falls	10	NH	Pease Air Force Base	Portsmouth/Newington
4	AL	Anniston Army Depot (SE Ind Area)	Anniston	10	WY	F.E. Warren Air Force Base	Cheyenne
4	CA	Robins AFB (Indfil #4/Sludge Lag)	Houston County	11	CA	Barstow Marine Corps Logist Base	Barstow
4	TN	Oak Ridge Reservation (USDOE)	Oak Ridge	11	AZ	Williams Air Force Base	Chandler
4	NE	Cornhusker Army Ammunition Plant	Hall County	11	CA	Castle Air Force Base	Merced
4	NJ	Naval Air Engineering Center	Lakehurst	12	PA	Letterkenny Army Depot (PDO Area)	Franklin County
4	UT	Hill Air Force Base	Ogden	12	CA	El Toro Marine Corps Air Station	El Toro
5	CA	Treasure Island Nav Sta-Hun Pt An	San Francisco	12	NJ	Fort Dix (Landfill Site)	Pemberton Township
5	AK	Elelson Air Force Base	Fairbanks N Star Bor	12	AL	Alabama Army Ammunition Plant	Childersburg
5	SC	Savannah River Site (USDOE)	Aiken	12	VA	Hanford 1100-Area (USDOE)	Benton County
5	VA	Naval Air Sta, Whid Is (Ault)	Whidbey Island	12	DE	Dover Air Force Base	Dover
5	NJ	W.R. Grace/Wayne Int Stor (USDOE)	Wayne Township	12	UT	Monticello Mill Tailings (USDOE)	Monticello
6	VA	Hanford 100-Area (USDOE)	Benton County	13	MA	Fort Devens-Sudbury Training Ann	Middlesex County
6	MA	Otis Air Nat Guard/Camp Edwards	Falmouth	13	VA	Fort Levia Logistics Center	Tillicum
7	UT	Ogden Defense Depot	Ogden	14	IL	Joliet Army Ammu Plant (LAP Area)	Joliet
7	CA	Marine Corps Logistics Base	Albany	14	OH	Mound Plant (USDOE)	Miamisburg
7	CA	Sacramento Army Depot	Sacramento	14	RI	Davisville Naval Constr Batt Cent	North Kingstown
7	IL	Sangamo/Orchard MWR (USDOI)	Carterville	14	ME	Loring Air Force Base	Limestone
				14	PR	Naval Security Group Activity	Sabana Seca
				14	PA	Letterkenny Army Depot (SE Area)	Chambersburg
				14	NY	Griffiss Air Force Base	Pose

1. Sites are placed in groups (Gr) corresponding to groups of 50 on the final NPL

National Priorities List,
Federal Section (by Group)
February 1990

NPL Cr 1	St	Site Name	City/County
15	VA	Defense General Supply Center	Chesterfield County
15	WA	Fort Lewis (Landfill No. 5)	Tacoma
15	CA	Camp Pendleton Marine Corps Base	San Diego County
16	CA	George Air Force Base	Victorville
16	MN	Twin Cities Air Force (SAR Lndfill)	Minneapolis
16	MO	Lake City Army Plant (NW Lagoon)	Independence
16	WA	Naval Undersea Warf Sta (4 Areas)	Keyport
16	NC	Camp Lejeune Military Reservation	Onalow County
17	RI	Newport Naval Educat./Training Cen	Newport
17	AZ	Yuma Marine Corps Air Station	Yuma
17	IL	Joliet Army Amnu Plant (Mfg Area)	Joliet
17	FL	Jacksonville Naval Air Station	Jacksonville
17	FL	Cecil Field Naval Air Station	Jacksonville
17	WA	Fairchild Air Force Base (4 Areas)	Spokane County
17	CA	March Air Force Base	Riverside
17	TX	Lone Star Army Ammunition Plant	Texasarkana
18	OR	Umatilla Army Depot (Lagoons)	Hermiston
18	MD	Aber Prov Ground-Michaelsville LF	Aberdeen
18	MN	Naval Industrial Reserve Ordnance	Fridley
19	WA	Bangor Ordnance Disposal	Bremerton
19	NY	Plattsburgh Air Force Base	Plattsburgh
19	LA	Louisiana Army Ammunition Plant	Doyline
19	MO	Weldon Spring Form Army Ord Works	St. Charles County
19	CA	Moffett Naval Air Station	Sunnyvale
19	CA	Travis Air Force Base	Solano County
20	CA	Mather AFB (AC&W Disposal Site)	Sacramento
Number of NPL Federal Facility Sites			93

FER Doc. 80-3729 Filed 2-20-90; 8:45 am]

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