



33/50 PROGRAM

PROGRESS UPDATE

***TRI Reporting Profiles
for 33/50 Program Chemicals***





TRI REPORTING PROFILES FOR 33/50 PROGRAM CHEMICALS

INTRODUCTION

The 33/50 Program, an EPA voluntary pollution prevention initiative, derives its name from its overall goals—an interim goal of a 33% reduction in 1992 and an ultimate goal of a 50% reduction in 1995 in releases and transfers of 17 high-priority toxic chemicals (see Box 4-1), using 1988 TRI reporting as a baseline. During 1988, 1.49 billion pounds of the target chemicals were either released to the environment on-site or transferred off-site to waste management facilities. The aim of the 33/50 Program is to reduce this amount by at least 50%—744 million pounds—by 1995, with an interim reduction target of more than 491 million pounds by 1992.

The 33/50 Program represents an innovative experiment aimed at demonstrating whether voluntary programs can augment the Agency's traditional command-and-control approach by achieving targeted reductions more quickly than would regulations alone. The Program is part of a broad group of EPA activities designed to encourage pollution prevention as the best means of achieving reductions in toxic chemical releases and transfers. More than 19,000 TRI facilities have reported 33/50 Program chemicals to TRI since 1988. By contacting the chief executives of the parent companies of TRI facilities that report 33/50 Program chemicals, the Program seeks to instill a pollution prevention ethic throughout the highest echelons of American businesses.

At the time the 33/50 Program was formulated, 1988 was the most recent year for which TRI data were available, and the Program's baseline and goals were set accordingly. Reductions that companies achieved between 1988 and 1990 therefore contribute to the 33/50 Program's national reduction goals. However, these prior reductions should not be viewed as resulting from the 33/50 Program, as companies were first informed about the Program in February, 1991.

Many states, a number of industry associations, and numerous individual companies include 33/50 Program chemicals within the scope of their own environmental initiatives. Twenty-six states had established toxics use reduction and pollution prevention programs prior to establishment of the 33/50 Program, and these contributed to its design. Others have used the 33/50 Program as a model. EPA views the 33/50 Program as an umbrella under which the federal government, states, industry, and communities work in partnership to achieve common goals. Any progress in reducing releases and transfers of 33/50 Program chemicals reflects the efforts of all these partners.

Analyses of 33/50 Program progress consider only those data elements facilities were required to report in 1988: environmental releases and transfers off-site for treatment and disposal (including transfers to POTWs and transfers with missing or invalid transfer codes).



17 Priority Chemicals Targeted by the 33/50 Program

Benzene
Cadmium and compounds
Carbon tetrachloride
Chloroform
Chromium and compounds
Cyanide compounds
Dichloromethane
Lead and compounds
Mercury and compounds
Methyl ethyl ketone
Methyl isobutyl ketone
Nickel and compounds
Tetrachloroethylene
Toluene
1,1,1-Trichloroethane
Trichloroethylene
Xylenes

Box 4-1. 33/50 Program Chemicals.

Transfers off-site for energy recovery and for recycling are not included in 33/50 Program goals.

SUMMARY OF FINDINGS

Findings revealed in the 1993 TRI reporting data are summarized below. The data themselves are presented in subsequent sections.

33/50 Program Chemicals Continue Trend Toward Early Achievement of 1995 Reduction Goal

- Releases and transfers of 33/50 Program chemicals were reduced by 100 million pounds (11%) between 1992 and 1993, bringing total reductions since 1988 to 46% (685 million pounds), just shy of the Program's 1995 50% reduction goal (see Figure 4-1).

- Facilities are projecting continued reductions in their releases and transfers of 33/50 Program chemicals in 1994 and 1995, suggesting that the Program's ultimate reduction goal of 744 million pounds may be achieved a year ahead of schedule.
- Facilities owned by companies participating in the 33/50 Program reported the highest reduction levels and accounted for most of the pounds of 33/50 Program chemical reductions.
- Between 1992 and 1993, facilities owned by Program participants reduced releases and transfers of the 17 Program chemicals by 20%. The rate of reduction achieved by facilities owned by non-participating companies was just 0.6%.
- Participating companies accounted for 98% of the reduction in 33/50 Program chemical releases and transfers in the last year. Since 1988, facilities owned by participating companies have more than halved their releases and transfers of 33/50 Program chemicals, achieving a 57% reduction.

Total 33/50 Program Chemical Production-Related Waste Projected to Decline

- Total production-related waste associated with 33/50 Program chemicals increased slightly (2.9%) between 1992 and 1993, but is projected to decline by nearly 6% in 1994, while facilities expect other TRI chemical waste to continue increasing (see Figure 4-2).
- Facilities owned by 33/50 Program participating companies reported a slight decrease in production-related waste (0.5%) while facilities owned by non-participating parent companies reported an 8% increase.

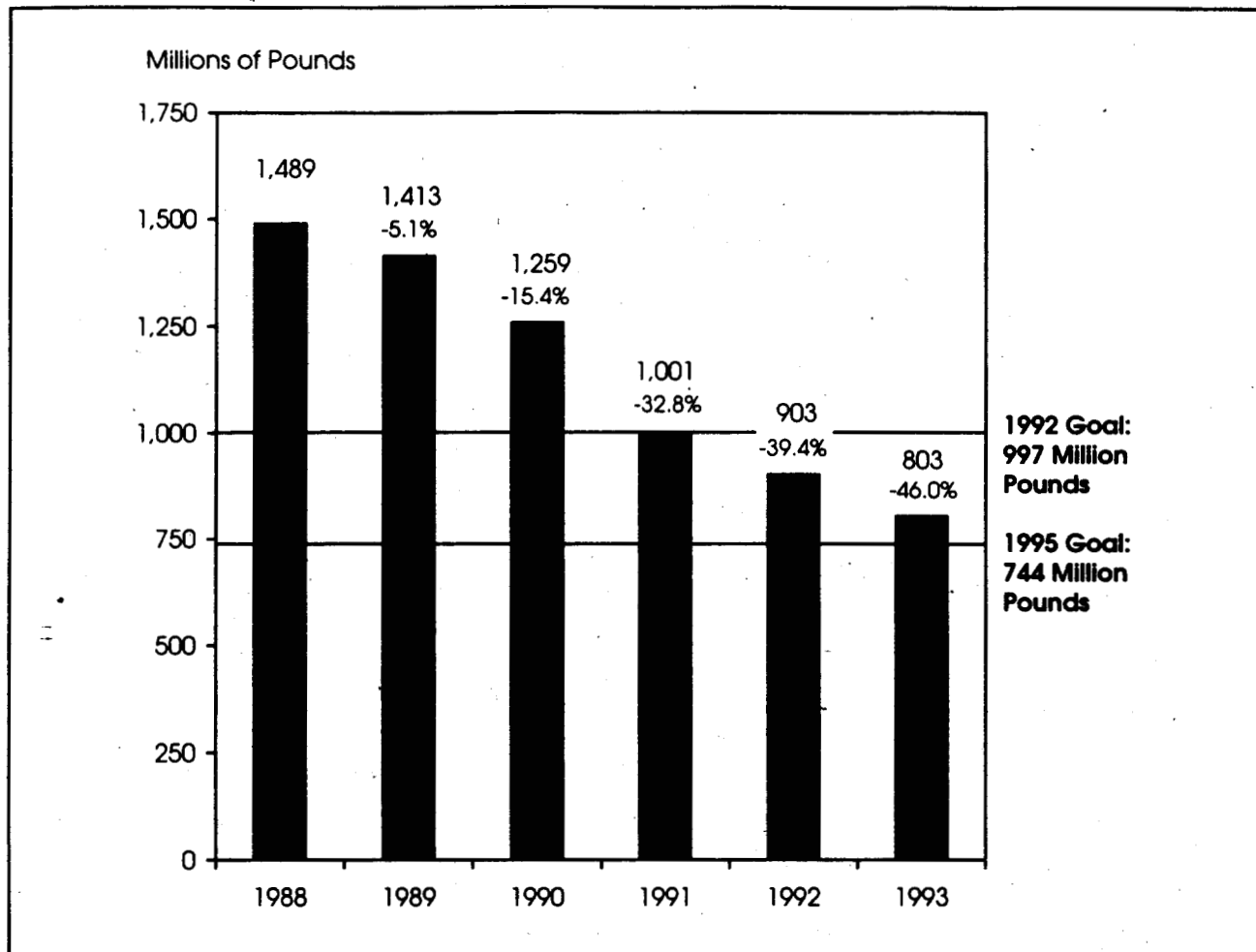


Figure 4-1. TRI Releases and Transfers of 33/50 Program Chemicals, 1988-1993. ①

- Participating companies' facilities project a 15% decrease in production-related waste of 33/50 chemicals by 1995, compared to a 7% increase projected by non-participants.

Source Reduction Activity Highlights

- 33/50 Program chemicals again in 1993 evidenced higher rates (percentages of Form Rs) and levels (total number of Form Rs) of source reduction activity reporting than other TRI chemicals. Nearly a third of the Form Rs submitted for 33/50 Program chemicals reported the occurrence of a

source reduction activity in 1993, compared to a fifth of the forms for other TRI chemicals. The 7,639 source reduction activity reports for the 17 target chemicals represented nearly 40% of the total for all chemicals.

- Individual 33/50 Program chemicals had some of the highest rates of source reduction activity reporting in 1993. The top three TRI chemicals for number of forms reporting source reduction activities in 1993 were 33/50 Program targets, and several others are among the top 30.

① The amounts for transfers to recycling and energy recovery reported for 1991-1993 have not been included in these totals.

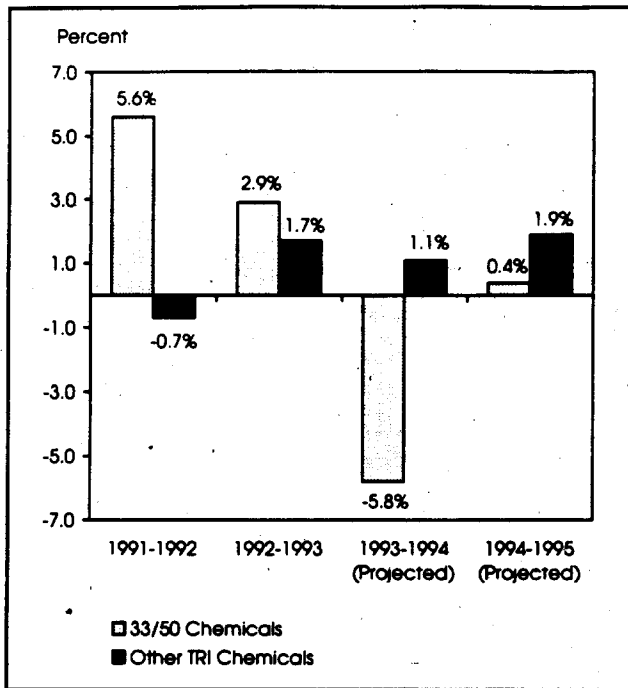


Figure 4-2. Percent Change in Total Production Related Wastes, 33/50 Chemicals vs. Other TRI Chemicals, 1991-1995. ②

COMPANY PARTICIPATION IN THE 33/50 PROGRAM

While the 33/50 Program does not have a fixed goal for the number of companies electing to participate, the Program nonetheless has placed considerable emphasis on outreach to companies in an effort to promote a pollution prevention ethic as widely as possible.

Numbers of Companies Participating

Initial communications about the 33/50 Program have been directed to the chief executive officers of the parent companies of the more than 18,600 industrial facilities that have reported to TRI any of the Program's 17 target chemicals from 1988 to 1991. At the close of the Program's fourth year in February 1995, almost 8,000 companies had been contacted by EPA with invitations to participate. Of these, 1,272 companies have elected to enroll.

② 1991 as reported on the 1992 Form R for the previous year.

Releases and transfers reported by facilities belonging to these companies represent 63% of the 1988 releases and transfers of 33/50 Program chemicals. Participants have pledged to reduce voluntarily 368 million pounds of pollution (see Figure 4-3).

The "Top 600" companies with the greatest amounts of releases and transfers were the first to be contacted and have been the focus of greater outreach follow-up from the Program's headquarters and Regional Office staffs. This concentration on larger companies has proven quite effective, with more than 60% of these companies electing to participate. However, less than 13% of the nearly 7,500 smaller companies contacted by EPA since 1991 have chosen to enroll.

The 33/50 Program continues to accept new company participants, although efforts to actively solicit participation ended in 1994. While the Program's national goals are targeted for achievement by the end of 1995, companies are encouraged to set their own reduction goals oriented to their own time frames. Program participants have also targeted reductions for after 1995, for other chemicals besides the Program's 17 target chemicals, and for facilities outside of the United States. Altogether, 33% of participating parent companies have made at least one of these types of extended pledges. The 33/50 Program seeks to instill among its participants a commitment to continuous environmental improvement, not to confine companies' initiatives within the boundaries of the Program's national goals.

Reductions Pledged by Participating Companies

Nearly 1,000 (78%) of the 1,272 participating companies have provided release/transfer reduction targets for the 33/50 Program totalling

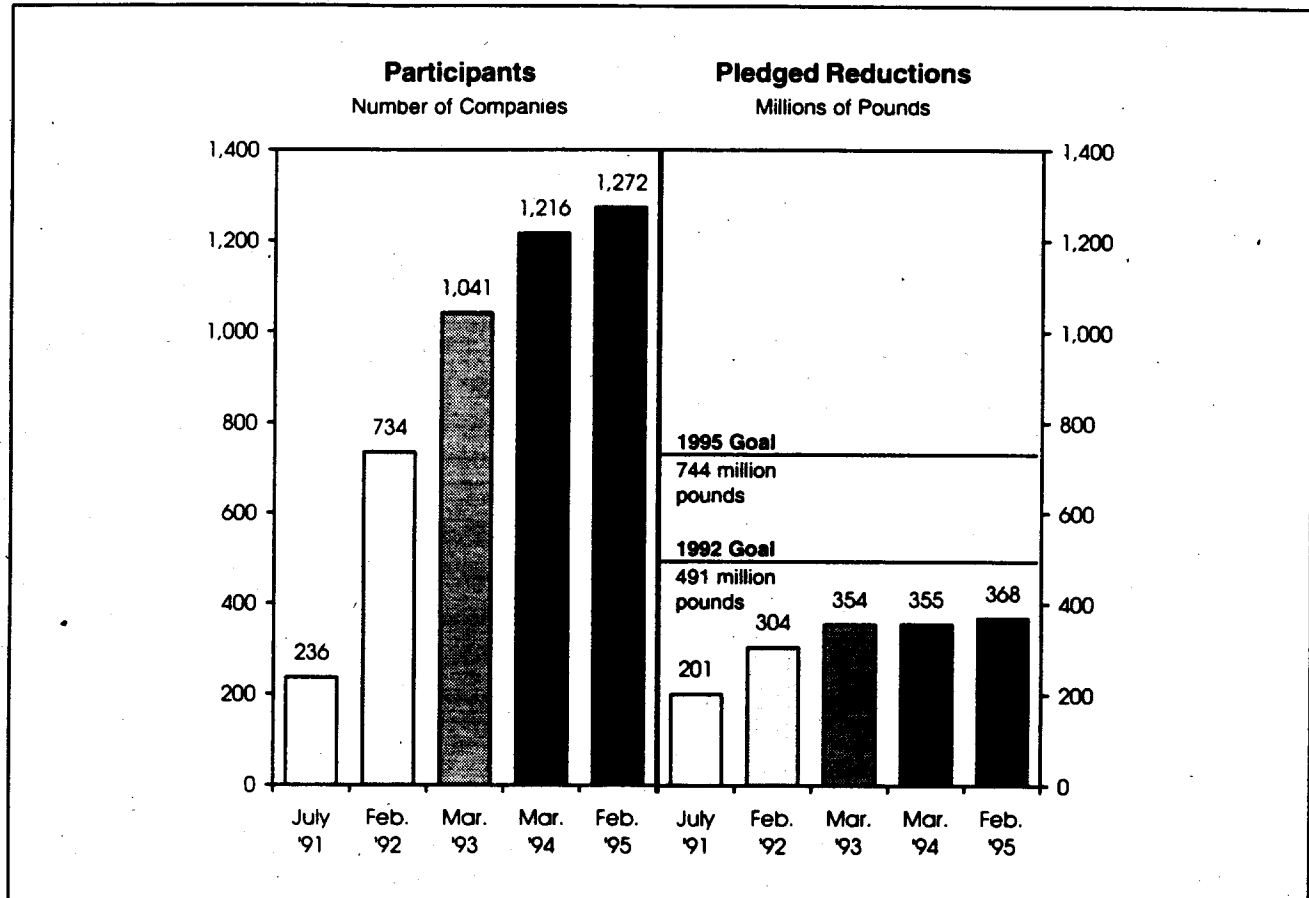


Figure 4-3. 33/50 Program Participant Status, February 1995.

368 million pounds. Those companies using a baseline of 1988 accounted for 53% of the releases and transfers reported by all Program participants in that year, and their reduction commitment represents slightly less than 50% per company.

Many of the remaining Program participants have also developed reduction targets, but have structured them in ways that are difficult to assess against the 1988 release/transfer baseline. For example, some companies have reduction goals that are indexed to changes in production. If production remains constant throughout the duration of the Program, these can be read as direct reductions targets. However, where production increases or decreases, the absolute impact of the company's reduction pledge can not be determined in advance. Accordingly,

EPA has not factored these commitments into its assessment of total release/transfer reductions anticipated to be obtained through the 33/50 Program.

Other Program participants have developed reduction goals that go beyond the goals of the 33/50 Program. Some have pledged to reduce all TRI releases and transfers by specified amounts or percentages, but have not indicated specific targets for 33/50 Program chemicals. Others have gone beyond targeting end-of-pipe releases or transfers by attempting to reduce their actual use of toxic chemicals, but have not stipulated the impact such pollution prevention initiatives will have on environmental releases of 33/50 Program chemicals. As a result, the 368 million pounds of release/transfer



reductions represent a lower bound on the reductions that companies are attempting under the 33/50 Program.

Actual Reductions Out-Pacing Pledges

As evidenced in the TRI reporting data, actual reductions being achieved by companies for the Program's 17 target chemicals are exceeding significantly EPA's conservative interpretation of companies' reduction pledges. The 685 million pounds of 33/50 Program chemical releases and transfers reduced between 1988 and 1993 is nearly twice the 368 million pounds pledged by participating companies to be reduced by 1995.

Some of these additional reductions result from decreases being achieved by companies that are not participating in the 33/50 Program [about 151 million pounds (22%) through 1993]. Some are due to the efforts of participating companies whose reduction pledges could not be factored into the national total. Significantly, however, companies that have made reduction pledges are achieving greater results than even they anticipated.

33/50 PROGRAM RELEASES AND TRANSFERS

Releases and transfers of 33/50 Program chemicals were reduced by 11% in 1993, a slightly greater reduction than observed in 1992 (9.8%). As indicated in Figure 4-1, the 100 million pound reduction in releases and transfers of the Program's 17 target chemicals between 1992 and 1993 brings total 33/50 Program

reductions since 1988 to 686 million pounds (46%), just shy of the Program's 1995 ultimate 50% reduction goal of 744 million pounds.

Facilities are projecting continued reductions in 33/50 Program emissions in 1994 and 1995. While facilities do not provide projections of the releases and transfers they report in Sections 5 and 6 of Form R, which are used to measure 33/50 Program progress, projections are reported for the quantities of TRI chemicals managed in waste in Section 8 of Form R. (See the following section of this chapter, 33/50 Program Chemicals in Waste, or the Introduction to Chapter 2 of this report for a complete description of Section 8 reporting requirements.) Adding Section 8 projections for releases (which include off-site transfers to disposal) to Section 8 projections for quantities sent for off-site treatment provides a reasonable proxy for future facility reporting (in Sections 5 and 6) of on-site releases and off-site transfers to treatment and disposal. However, these calculations do not provide an exact match: Section 8 calculations using 1993 prior year reporting for 1992 understate facilities' actual release/transfer reports for 1992 by 7.5%, while for 1993, the Section 8 calculations overstate Section 5 and 6 reporting by 1.8%.

Facilities project 33/50 Program chemicals-in-waste releases and transfers to treatment to decline by 15.5% in 1994 and another 6.9% in 1995. These projections offer strong encouragement that the 33/50 Program's 1995 ultimate 50% reduction goal indeed will be achieved, perhaps even a year ahead of schedule.



33/50 Program Chemical Reductions versus Reductions for Other TRI Chemicals

Table 4-1 presents facilities' reports of on-site releases and off-site transfers to treatment and disposal of 33/50 Program chemicals versus reports for all other TRI chemicals for 1988 (the 33/50 Program's base year), 1990 (the year prior to EPA's initiation of the Program), 1992, and 1993. In order to control for changes in the TRI chemical list over time, year-to-year comparisons for non-33/50 Program chemicals (labelled "TRI Chemicals Less 33/50 Chemicals") are based on a consistent list of chemicals that have been reported under TRI for all years 1988-1993. The trends in reductions for each grouping of chemicals are depicted in Figure 4-4.

Figure 4-5 highlights the dramatic change in the reduction trends for 33/50 Program chemicals versus other TRI chemicals that began in 1991, the year that the 33/50 Program was initiated, and continued in 1992, the Program's second

year. In the two years prior to the Program's announcement, reductions in releases and off-site transfers of other TRI chemicals significantly out-paced those for 33/50 Program chemicals: 24.2% vs. 15.4%. However, in the first two years after 33/50's voluntary reduction goals were announced, releases and transfers of its 17 target chemicals were reduced at nearly three times the rate observed for all other TRI chemicals: a 28.3% reduction between 1990 and 1992 for 33/50 Program chemicals versus a 10.3% reduction for the remaining TRI chemicals.

Interestingly, non-33/50 Program chemical release/transfer reductions caught up with and slightly surpassed those achieved for the 17 Program chemicals in 1993. Other TRI chemical releases and transfers dropped by 13.1% in 1993, compared to the 11% decline for 33/50 Program chemicals. This is the first time since the 33/50 Program commenced that reductions for non-Program chemicals exceeded those observed for the Program's 17 target chemicals. This change in the reduction pattern

Table 4-1. Releases and Transfers of 33/50 Program Chemicals Compared to Other TRI Chemicals, 1988, 1990, 1992-1993.③

| | All TRI Chemicals (Excluding Additions/ Deletions) | TRI Chemicals Less 33/50 Chemicals | 33/50 Chemicals Only |
|-----------|--|--|----------------------------|
| | Pounds | Pounds | Pounds |
| 1988 | 6,488,962,564 | 5,000,199,508 | 1,488,763,056 |
| 1990 | 5,047,042,788 | 3,788,023,022 | 1,259,019,766 |
| 1992 | 4,299,247,742 | 3,396,602,596 | 902,645,146 |
| 1993 | 3,754,621,658 | 2,951,312,798 | 803,308,860 |
| | Percent Change | Percent Change | Percent Change |
| 1988-1990 | -22.22% | -24.24% | -15.43% |
| 1990-1993 | -25.61% | -22.09% | -36.20% |
| 1992-1993 | -12.67% | -13.11% | -11.01% |
| 1988-1993 | -42.14% | -40.98% | -46.04% |

③ The amounts for recycling and energy recovery reported for 1991-1993 have not been included in these totals.

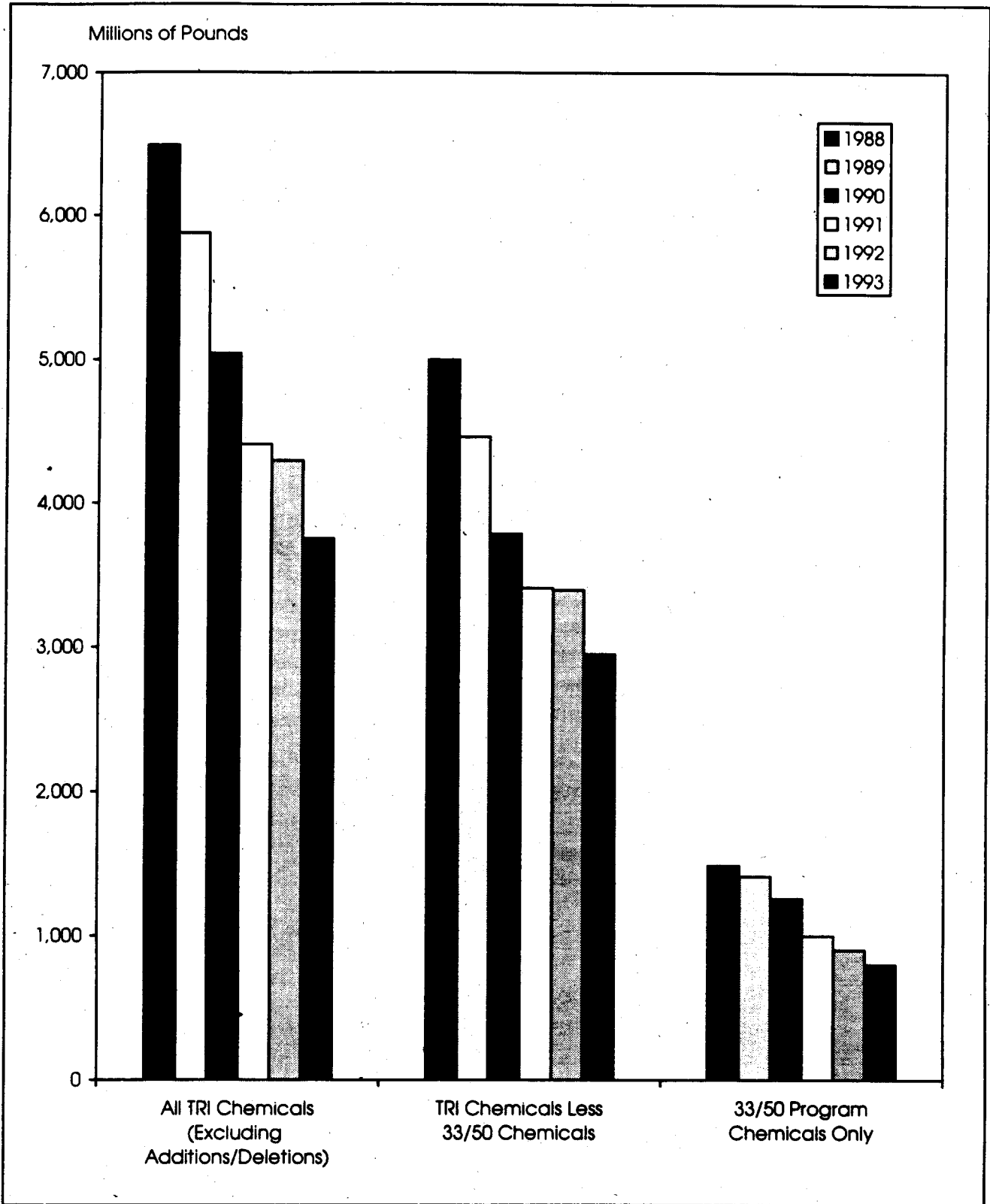


Figure 4-4. Releases and Transfers of 33/50 Program Chemicals Compared to Other TRI Chemicals, 1988-1993.⁴

⁴ The amounts for transfers to recycling and energy recovery reported for 1991-1993 have not been included in these totals.

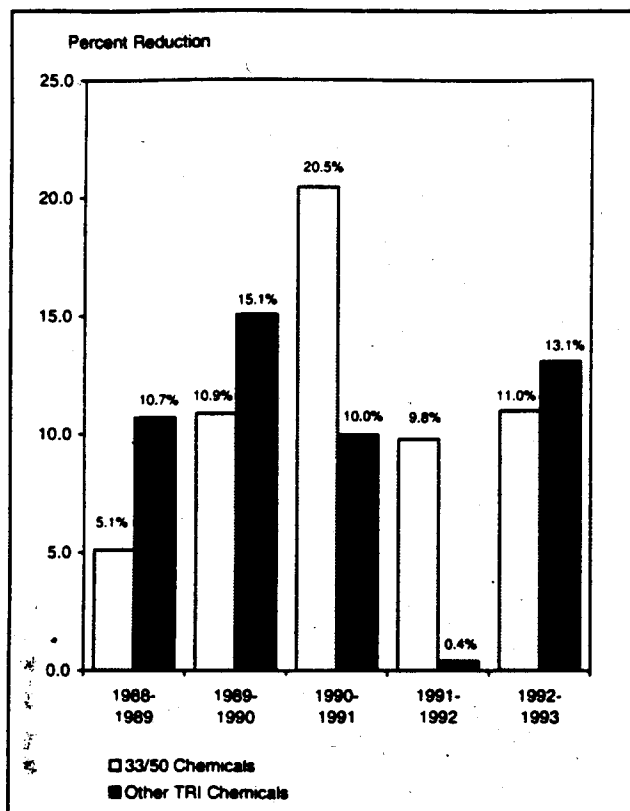


Figure 4-5. Year-to-Year Reduction Comparisons: Releases and Transfers of 33/50 Program Chemicals vs. Other TRI Chemicals, 1988-1993. ⑤

occurred even though 33/50 Program chemical release/transfer reductions were greater in 1993 than in 1992, and is explained in part by a significant drop in underground injection of TRI chemicals that occurred in 1993. Since underground injection is utilized only marginally for 33/50 Program chemicals (see next section), these reductions had a disproportionate impact on non-33/50 Program chemicals.

In the 33/50 Program's first two years (1991 and 1992), reductions in the 17 Program chemicals almost equalled those of the remaining 300-plus TRI chemicals in actual pounds: the 356 million pounds of reductions for 33/50 Program

chemicals is just 9.0% less than the 391 million pound drop for non-Program chemicals. In 1993, however, absolute reductions for other TRI chemicals (445 million pounds) were more than four times greater than the 100 million pound decline for the Program's 17 target chemicals.

The "leaders-in-reductions" role being played by 33/50 Program participants is also reflected in the reduction performance of the individual TRI facilities that use the target chemicals. Five of the top 10 facilities showing the greatest reductions in direct environmental releases between 1992 and 1993 (excluding underground injection), and 15 of the top 20, report 33/50 Program chemicals and are owned by companies that are participating in the Program. Of the top 50 reducing facilities, 38 report Program chemicals and are owned by participating parents.

33/50 Program Chemical Releases and Transfers, by Medium/Transfer Type and by Chemical

Releases and off-site transfers of 33/50 Program chemicals are summarized by chemical and release medium/transfer type for the period 1988 to 1993 in Table 4-2. (Box 4-2 explains the presentation of 33/50 chemicals in these tables.) The "Subtotal" column in the transfers portion of the table represents those transfer types (POTWs, treatment, disposal, and "other" transfers) that are included in the 33/50 Program goals. The "Total" column adds in transfers for recycling and energy recovery, which have been reportable to TRI since 1991 but are not included in the 33/50 Program. Figure 4-6 presents a graphical representation of the total releases and transfers for each chemical for these years.

⑤ The amounts for recycling and energy recovery reported for 1991-1993 have not been included in these totals.



LOOKING TO THE FUTURE: AN AGENDA FOR ACTION

Many people think that the 33/50 Program ends at the end of 1995, since its ultimate national 50% reduction goal is targeted for 1995. However, public release of 1995 TRI data, used to monitor companies' and the Program's progress in meeting our goals, will not occur until the spring of 1997. Accordingly, EPA's administration of the 33/50 Program will continue well beyond 1995, guided by an ambitious agenda.

Recognizing Companies' 33/50 Program Achievements

EPA offers public recognition to companies to encourage them to participate in the 33/50 Program and to undertake pollution reduction activities. All participants receive Certificates of Appreciation upon enrollment. Last year, in conjunction with the announcement that the Program's 1992 interim 33% reduction goal had been exceeded by nearly 100 million pounds, more than 300 companies were singled out to receive Certificates of Environmental Achievement for reducing releases and transfers of Program chemicals either by 100% or by more than 1 million pounds.

As the Program approaches achieving its ultimate 50% reduction goal, the Agency is assessing options for commending companies for their reduction achievements. One option is to recognize all companies that achieve their own written reduction pledges. Another is to single out companies that achieve substantial reductions. A major concern that has been raised regarding both of these options is that TRI does not explain whether reductions are the result of real changes in facility operations (vs. changes in release estimating procedures, plant closures, etc.) nor how real reductions were

achieved. Addressing such concerns may require EPA to verify reductions in conjunction with recognizing companies' 33/50 Program achievements.

33/50 Program Awards

EPA is working with a panel of representatives from industry, states, and environmental groups to determine whether 33/50 Program Awards should be issued to a select set of companies whose pollution reduction achievements could be considered truly remarkable. Concerns have been raised, however, that such a selection process might unfairly stigmatize those companies not receiving the awards. Other concerns address the issue of reviewing and verifying award nominations.

One idea being considered by this panel is to encourage companies to submit 33/50 program Success Stories detailing the ways in which they achieved significant reductions in emissions of the target chemicals. Such Success Stories could be reviewed and distributed by EPA, providing a wealth of "how-to" information for other companies to draw on in reducing their own wastes. EPA has already produced a series of 33/50 Program Company Reduction Profiles, and more are scheduled for release this spring. However, asking companies to nominate their own Success Stories for recognition by EPA would broaden substantially the coverage of this information.

These and other recognition options are being explored. Recognition of some type will be made at a major 33/50 Program Conference timed to celebrate achievement of the Program's 50% reduction goal.

Decisions on categories, criteria, and nomination procedures will be announced in the summer of 1995.

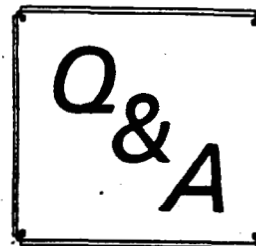


QUESTIONS AND ANSWERS

about the

33/50 PROGRAM

U.S. ENVIRONMENTAL PROTECTION AGENCY



Q. What is the 33/50 Program?

A. The U.S. Environmental Protection Agency's 33/50 Program is a voluntary initiative seeking commitments from companies to reduce their reported releases and off-site transfers of 17 high-priority chemicals.

Q. Why was the name "33/50 Program" chosen?

A. The 33/50 Program is named after its national goals for the 17 high-priority chemicals: a 33% reduction by the end of 1992 and a 50% reduction by the end of 1995, from the 1988 levels reported to EPA's Toxics Release Inventory (TRI).

Q. What are the 17 high-priority chemicals?

THE 17 TARGETED CHEMICALS

BENZENE
CADMIUM & COMPOUNDS
CARBON TETRACHLORIDE
CHLOROFORM
CHROMIUM & COMPOUNDS
CYANIDE & COMPOUNDS
LEAD & COMPOUNDS
MERCURY & COMPOUNDS
METHYL ETHYL KETONE
METHYL ISOBUTYL KETONE
METHYLENE CHLORIDE
NICKEL & COMPOUNDS
TETRACHLOROETHYLENE
TOLUENE
1,1,1-TRICHLOROETHANE
TRICHLOROETHYLENE
XYLENES

Q. How were the 17 chemicals selected?

A. The 17 chemicals were chosen on the basis of 3 criteria: they pose environmental and health concerns, they are high-volume industrial chemicals, and they can be reduced through pollution prevention.

Q. Do company goals have to mirror the national goals?

A. The goal of 50% reduction by 1995 is a *national* goal; companies are free to set their own goals, no matter what level. Your company commitment should include reductions achieved since the 1988 baseline year, and reductions expected in the future.

Q. How much flexibility do companies have in making or revising commitments?

A. We realize the need for flexibility in setting goals. Companies may focus their 33/50 goals on all or some of their facilities, on all or some of the 17 high-priority chemicals, and can even include additional chemicals. Goals can be revised as changing circumstances dictate to reflect, for instance, an unexpected increase in production. Of course, if a company should exceed its original 33/50 goal, we encourage submission of a revised commitment reflecting new goals.

Q. Can our company have a baseline year other than 1988?

A. Companies are encouraged to use 1988 as a baseline; however, you can have whatever baseline you want. Let us know the reason in your commitment letter.



Q. What is the role of pollution prevention in the 33/50 Program? Can other reductions count towards a company's goal?

A. The 33/50 Program emphasizes pollution prevention, and encourages reductions chiefly through source reduction and in-process recycling. Companies should participate, however, even if their reductions are achieved through treatment or other means. Where practical, corporate commitments should include truly voluntary efforts which go beyond compliance with existing laws and regulations.

Q. Voluntary today and mandatory tomorrow?

A. 33/50 Program reduction commitments are voluntary and are not enforceable (unless such reductions are required by law or regulation). The goals a company sets are truly voluntary.

Q. Our company is growing and production is increasing; how can we show reductions?

A. Many growing companies are participating in the 33/50 Program. Some are expressing goals as a shrinking percentage based on production, rather than an absolute percent reduction.

Q. Will EPA evaluate the adequacy of the participating companies' numerical goals?

A. No, EPA will not be passing judgment on the adequacy of an individual company's reduction commitment and achievements. Progress will be measured nationally, on an aggregate basis, rather than on an individual company basis.

Q. Why should our company join now, when the end of 1995 is so close, and there isn't much time for a reduction program?

A. All reductions contribute to the national goal, even those achieved over the course of one or two years. Also, companies can take credit for reductions achieved since 1988, since this is the baseline year for the program. Joining the 33/50 Program can affirm and expand a company's dedication to pollution prevention.

Q. How can my company sign up for 33/50?

A. Your company should send a short letter to EPA stating a corporate-wide numerical reduction goal for the sum of the 17 target chemicals for 1995. This numerical commitment is the sole requirement for participation in the 33/50 Program. Detailed guidance is available from the 33/50 Program.

Q. Should companies with small releases join the 33/50 Program?

A. Yes. Companies of all sizes, with large or small releases, can contribute to the overall goals for the 33/50 chemicals, and companies of all sizes deserve recognition for their reduction efforts. Small volumes of releases can be very important to local communities.

Q. How do companies receive recognition?

A. Companies that join the 33/50 Program receive certificates recognizing their voluntary participation. Also, they receive public recognition through periodic progress reports and press releases which are widely circulated by the 33/50 Program.

Q. How can I get more information?

A. For free copies of 33/50 Program documents, and related documents, contact EPA's TSCA Hotline at (202) 554-1404. The Pollution Prevention Information Clearinghouse (PPIC) can be reached at (202) 260-1023 and has free information on pollution prevention. Or contact us directly:

HOW TO CONTACT THE 33/50 PROGRAM

ADDRESS:

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Coordinator (Mail Code 3AT01)
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841 Chestnut St.
Phila., PA 19107

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FAX: (215) 580-2011

33/50 Program
Parent Companies Commitment Status
Participating Parent Commitments

01/30/95

| Commitment Status (C,D,U,N,Z /X 95) | Parent Company Name | Location City | Location State | Number of Facilities Owned by Parent | TRI Releases & Transfers of 33/50 Chemicals (1988 Pounds) (1992 Pounds) | |
|---|--------------------------------|------------------|----------------|--------------------------------------|--|------------|
| C/ 70% | 3M MINNESOTA MINING & MFG CO | ST. PAUL | MN | 47 | 51,887,548 | 20,673,678 |
| C/* | A B C COMPOUNDING COMPANY INC | MORROW | GA | 1 | 32,470 | 8,725 |
| C/*** | A B CHANCE CO | CENTRALIA | MO | 1 | 169,600 | 91,293 |
| C/ 50% | A J INDUSTRIES INC | EL MONTE | CA | 1 | 79,000 | 0 |
| C/ 56% | A T CROSS COMPANY INC | LINCOLN | RI | 1 | 144,940 | 36,021 |
| C/ 100% | A T R WIRE & CABLE CO | DANVILLE | KY | 1 | 79,174 | 0 |
| C/ 65% | A. W. CHESTERTON COMPANY | STONEHAM | MA | 2 | 65,988 | 10,800 |
| C/*** | AACCO FOUNDRY INC | CARSON | CA | 1 | 90 | 82 |
| C/ 20% | ABBOTT LABORATORIES | NORTH CHICAGO | IL | 6 | 3,017,869 | 3,685,222 |
| C/** | ABC HOLDINGS INC | EUFAULA | AL | 6 | 164,915 | 133,655 |
| C/ 60% | ACME ENGINEERING & MFG CORP | MUSKOGEE | OK | 2 | 17,915 | 8,500 |
| C/ 38% | ACME METALS INC | RIVERDALE | IL | 10 | 934,825 | 133,659 |
| C/ 50% | ACME SPONGE & CHAMOIS CO. INC. | TARPON SPRINGS | FL | 1 | 32,100 | 20,078 |
| C/ 30% | ACR HOLDING CO INC | GREENACRES | WA | 1 | 6,879 | 4,900 |
| C/ 20% | ACSIST ASSOCIATES INC. | MINNEAPOLIS | MN | 1 | 103,540 | 0 |
| C/ 50% | ACTION ATHLETIC EQUIPMENT INC | ZION | IL | 1 | 21,737 | 12,200 |
| C/* | ACTION PLATING CORP | OPA LOCKA | FL | 1 | 38,280 | 0 |
| C/* | ADAC PLASTICS INC | GRAND RAPIDS | MI | 1 | 43,500 | 604 |
| C/ 59% | ADOLPH COORS COMPANY | GOLDEN | CO | 3 | 369,400 | 932 |
| C/ 90% | ADVANCED CIRCUIT TECHNOLOGY | NASHUA | NH | 1 | 83,952 | 0 |
| C/ 72% | ADVANCED FRICTION MATERIALS CO | STERLING HEIGHTS | MI | 1 | 206,400 | 17,440 |
| C/ 43% | AERO METAL FINISHING INC | STANTON | MO | 1 | 500 | 0 |
| C/*** | AERO WELDING INC. | EASTLAKE | OH | 1 | 0 | 13,800 |
| C/* | AEROFIL TECHNOLOGY INC | SULLIVAN | MO | 1 | 2,750 | 103,781 |
| C/* | AEROFORGE CORPORATION | MUNCIE | IN | 1 | 1,500 | 500 |
| C/ 100% | AEROTHRUST CORP | MIAMI | FL | 1 | 72,500 | 3,183 |
| C/*** | AHRENS AGRICULTURAL INDS CO | GRINNELL | IA | 1 | 250 | 0 |
| C/ 50% | AIR PRODUCTS AND CHEMICALS | ALLENTOWN | PA | 15 | 382,297 | 134,549 |
| C/*** | AKRON PAINT & VARNISH INC - | AKRON | OH | 1 | 1,500 | 18,900 |
| C/ 13% | AKZO NOBEL INC | CHICAGO | IL | 29 | 3,600,258 | 866,575 |
| C/ 91% | ALADDIN INDUSTRIES INC | NASHVILLE | TN | 1 | 171,698 | 113,333 |
| C/* | ALBANY INTERNATIONAL CORP | ALBANY | NY | 1 | 0 | 0 |
| C/ 55% | ALBAR INDUSTRIES INC | LAPEER | MI | 1 | 290,688 | 43,759 |
| C/ 51% | ALBEMARLE CORPORATION | RICHMOND | VA | 4 | 960,620 | 799,577 |
| C/ 80% | ALDAN RUBBER CO. | PHILADELPHIA | PA | 1 | 1,388,500 | 377,040 |
| C/* | ALDOA COMPANY INC | DETROIT | MI | 1 | 0 | 499 |
| C/ 50% | ALL METAL STAMPING INC. | ABBOTSFORD | WI | 1 | 12,250 | 4,000 |
| C/*** | ALLEGHENY CHEMICAL CORPORATION | RIDGWAY | PA | 1 | 9,828 | 0 |
| C/* | ALLEGHENY LUDLUM CORPORATION | PITTSBURGH | PA | 7 | 2,066,250 | 625,185 |
| C/*** | ALLIED MINERAL PRODUCTS INC | COLUMBUS | OH | 1 | 1,200 | 806 |
| C/ 50% | ALLIED-SIGNAL INC | MORRISTOWN | NJ | 81 | 4,514,239 | 2,869,438 |
| C/*** | ALLOY TRAILERS INC | SPOKANE | WA | 1 | 28,707 | 40,936 |
| C/ 51% | ALUMINUM COMPANY OF AMERICA | PITTSBURGH | PA | 38 | 6,085,348 | 3,219,117 |
| C/ 50% | AMERADA HESS CORPORATION | NEW YORK | NY | 4 | 1,878,447 | 1,265,462 |
| C/ 74% | AMERICA'S BEST QUALITY | MILWAUKEE | WI | 1 | 500 | 760 |
| C/ 95% | AMERICAN BRASS & IRON FOUNDRY | OAKLAND | CA | 1 | 455,570 | 617,380 |
| C/ 25% | AMERICAN CAST IRON PIPE CO | BIRMINGHAM | AL | 3 | 761,209 | 431,967 |
| C/ 100% | AMERICAN ELECTRONIC COMPONENTS | ELKHART | IN | 2 | 76,875 | 41 |
| C/*** | AMERICAN ETCHING & MFG. | PACOMA | CA | 1 | 0 | 0 |
| C/* | AMERICAN FIBRIT INC. | BATTLE CREEK | MI | 1 | 0 | 0 |
| C/ 60% | AMERICAN FLANGE & MFG CO | WHEATON | IL | 1 | 159,500 | 29,750 |
| C/ 50% | AMERICAN HOME PRODUCTS CORP | NEW YORK | NY | 18 | 1,828,970 | 1,221,553 |
| C/* | AMERICAN HONDA MOTOR CO INC | TORRANCE | CA | 7 | 2,141,459 | 3,288,585 |
| C/** | AMERICAN LANTERN COMPANY | NEWPORT | AR | 2 | 170,883 | 18,090 |
| C/* | AMERICAN MAIZE PRODUCTS CO. | HAMMOND | IN | 1 | 250 | 41,363 |
| C/ 50% | AMERICAN NATIONAL CAN COMPANY | CHICAGO | IL | 44 | 4,520,473 | 2,298,743 |
| C/ 40% | AMERICAN PETROFINA HOLDING CO | DALLAS | TX | 6 | 679,419 | 574,785 |
| C/ 50% | AMERICAN PLASTIC TECHNOLOGIES | MIDDLEFIELD | OH | 1 | 750 | 0 |

LEGEND:

C= committed
D= declined
U= response uncertain
N= contacted but no response
Z= new in 1992, not yet contacted

E= no 33/50 chemicals reported
Q= declined, has own program
R= declined, already reduced
S= declined, subsidiary/holding company
W= withdrew from 33/50 Program
X= facility/company closed
Y= suspect facility/company closed

/ # = % pounds reduced by 1995
/*** = no numeric goal
/** = use reduction goal only
/* = goal not quantifiable against 1988 data

| Commitment Status (C,D,U,N,Z % 95) | Parent Company Name | Location City | Location State | Number of Facilities Owned by Parent | TRI Releases & Transfers of 33/50 Chemicals (1988 Pounds) | (1992 Pounds) |
|--|--------------------------------|-------------------|----------------|--------------------------------------|---|---------------|
| C/*** | AMERICAN SPRING WIRE CORP | CLEVELAND | OH | 2 | 46,685 | 3,775 |
| C/ 50% | AMERICAN TELEPHONE & TELG CO | NEW YORK | NY | 23 | 6,229,719 | 1,462,402 |
| C/ 80% | AMERICAN TOY AND FURNITURE CO | HORTONVILLE | WI | 1 | 305,566 | 0 |
| C/** | AMERON INC DELAWARE | PASADENA | CA | 8 | 266,703 | 169,219 |
| C/ 100% | AMITY LEATHER PRODUCTS CO | WEST BEND | WI | 1 | 17,942 | 0 |
| C/ 50% | AMOCO CORPORATION | CHICAGO | IL | 27 | 11,155,495 | 7,153,759 |
| C/ 1 | AMP-AKZO CORPORATION | CHADDS FORD | PA | 3 | 510,039 | 92,350 |
| C/* | AMPCO METAL MFG. INC. | MILWAUKEE | WI | 2 | 2,500 | 5,295 |
| C/ 50% | AMREP INC. | MARIETTA | GA | 1 | 63,700 | 97,994 |
| C/ 66% | AMSTED INDUSTRIES INCORPORATED | CHICAGO | IL | 16 | 1,441,648 | 404,775 |
| C/ 45% | AMWAY CORPORATION | ADA | MI | 1 | 64,100 | 26,150 |
| C/ 75% | ANABOLIC INCORPORATED | IRVINE | CA | 1 | 39,602 | 0 |
| C/ 93% | ANCHOR FENCE INC | BALTIMORE | MD | 1 | 121,000 | 0 |
| C/ 57% | ANDERSEN CORPORATION | SAYPORT | MN | 1 | 1,101,701 | 500,269 |
| C/ 100% | ANDERSON SCREW PRODUCTS INC | JAMESTOWN | NY | 1 | 29,700 | 10,488 |
| C/* | ANHEUSER-BUSCH COMPANIES INC | SAINT LOUIS | MO | 3 | 46,358 | 33,681 |
| C/ 50% | ANOMATIC CORPORATION | NEWARK | OH | 2 | 30,373 | 260,533 |
| C/*** | AOC HOLDING INC | SAINT LOUIS | MO | 8 | 40,050 | 33,225 |
| C/ 100% | AP PARTS MANUFACTURING CO | TOLEDO | OH | 1 | 77,484 | 61,636 |
| C/** | APG INC | ELKHART | IN | 1 | 7,000 | 3,755 |
| C/ 15% | APOGEE ENTERPRISES INC | MINNEAPOLIS | MN | 4 | 87,061 | 432,341 |
| C/ 33% | APOGEE PLASTIC TECH. INC. | DAYTONA BEACH | FL | 1 | 18,935 | 40,086 |
| C/* | ARCADIAN CORPORATION | MEMPHIS | TN | 4 | 4,340 | 175 |
| C/*** | ARCTCO INC | THIEF RIVER FALLS | MN | 1 | 0 | 0 |
| C/ 18% | ARISTECH CHEMICAL CORPORATION | PITTSBURGH | PA | 6 | 1,648,348 | 371,652 |
| C/ 50% | ARKVIN INDUSTRIES INC | WESTBURY | NY | 1 | 134,100 | 33,582 |
| C/ 4 | ARMCO INC. | PITTSBURGH | PA | 29 | 2,678,348 | 1,121,504 |
| C/* | ARMCO STEEL COMPANY L.P. | MIDDLETOWN | OH | 3 | 2,175,750 | 571,785 |
| C/** | ARMORED KNIGHT CORPORATION | HINSDALE | IL | 2 | 789,023 | 159,710 |
| C/* | ARMSTRONG WORLD INDUSTRIES | LANCASTER | PA | 31 | 3,734,147 | 1,361,463 |
| C/ 50% | ARROW ENG. INC. | DALTON | GA | 1 | 500 | 251 |
| C/ 60% | ARROW INTERNATIONAL INC. | WYOMISSING | PA | 1 | 33,000 | 0 |
| C/*** | ARROWHEAD HOLDINGS CORPORATION | BALA CYNWYD | PA | 2 | 102,795 | 127,373 |
| C/** | ARTISTIC POLISHING & PLATING | ANAHEIM | CA | 1 | 13,000 | 0 |
| C/ 2 | ASARCO INCORPORATED | NEW YORK | NY | 10 | 8,164,860 | 7,907,099 |
| C/ 50% | ASEA BROWN BOVERI INC | STAMFORD | CT | 20 | 780,189 | 535,915 |
| C/ 50% | ASHLAND OIL INC | ASHLAND | KY | 16 | 1,376,296 | 708,194 |
| C/ 50% | ASKO PROCESSING INC | SEATTLE | WA | 2 | 108,707 | 32,749 |
| C/ 50% | ASSET MANAGEMENT ASSOCIATES | NEW YORK | NY | 2 | 58,600 | 59,999 |
| C/ 100% | ASSOCIATED CHEMISTS INC | PORTLAND | OR | 1 | 5,475 | 750 |
| C/ 60% | ASTRAL INDUSTRIES INC | LYNN | IN | 3 | 281,970 | 159,497 |
| C/ 75% | ASTRUM INTERNATIONAL | NEW YORK | NY | 3 | 216,262 | 161,470 |
| C/ 2 | ATLANTIC RICHFIELD COMPANY | LOS ANGELES | CA | 11 | 1,999,350 | 2,447,580 |
| C/ 100% | ATLAS DIE INC | ELKHART | IN | 1 | 28,800 | 27,400 |
| C/ 33% | ATLAS PLATING INC | CLEVELAND | OH | 2 | 750 | 505 |
| C/ 99% | AUBURN FOUNDRY INC | AUBURN | IN | 1 | 592,150 | 14,560 |
| C/* | AUTO-SWAGE PRODUCTS INC. | SHELTON | CT | 1 | 42,900 | 0 |
| C/* | AUTOMATA INC | STERLING | VA | 2 | 76,500 | 0 |
| C/*** | AUTOMATIC PLTG OF BRIDGEPORT | BRIDGEPORT | CT | 1 | 16,003 | 2,716 |
| C/ 90% | AUTOMATIC WELDING & MFG. CO. | ASHLAND | OH | 1 | 14,489 | 3,301 |
| C/** | AUTOMATION PLATING CORPORATION | GLENDALE | CA | 1 | 500 | 0 |
| C/ 99% | AVESTA SHEFFIELD PIPE CO. | WILDWOOD | FL | 1 | 117,445 | 79,074 |
| C/*** | AVON NORTH AMERICA INC | CADILLAC | MI | 1 | 250 | 0 |
| C/ 54% | AVONDALE INDUSTRIES INC | NEW ORLEANS | LA | 3 | 1,558,614 | 63,680 |
| C/* | B B WALKER COMPANY INC. | ASHEBORO | NC | 1 | 0 | 26,487 |
| C/ 50% | B F GOODRICH COMPANY | AKRON | OH | 25 | 1,511,403 | 659,827 |
| C/ 61% | B T INDUSTRIES OF AMERICA INC | MUSCATINE | IA | 1 | 34,018 | 43,813 |
| C/*** | B-E HOLDINGS INC | SOUTH MILWAUKEE | WI | 2 | 1,299 | 4,904 |
| C/* | B. BRAUN OF AMERICA INC | BETHLEHEM | PA | 1 | 7,374 | 0 |
| C/ 75% | B. L. DOWNEY CO INC | BROADVIEW | IL | 1 | 250 | 250 |
| C/*** | BACHARACH INC | PITTSBURGH | PA | 1 | 9,700 | 19,500 |
| C/ 56% | BAILEY CONTROLS COMPANY | WICKLIFFE | OH | 1 | 69,558 | 47,700 |
| C/ 20% | BAKER HUGHES INCORPORATED | HOUSTON | TX | 24 | 343,438 | 144,333 |
| C/** | BALDOR ELECTRIC COMPANY | FORT SMITH | AR | 3 | 324,000 | 196,400 |
| C/** | BALL AND SOCKET MFG CO INC | CHESHIRE | CT | 1 | 30,571 | 20,100 |
| C/ 99% | BALL CORPORATION | MUNCIE | IN | 20 | 285,505 | 38,038 |
| C/*** | BANNER METALS INC | STROUDSBURG | PA | 1 | 16,990 | 36,073 |
| C/ 25% | BARNHARDT MANUFACTURING CO | CHARLOTTE | NC | 5 | 617,693 | 683,923 |
| C/*** | BARRETT VARNISH CO. | CICERO | IL | 1 | 18,189 | 18,400 |
| C/ 50% | BASF CORPORATION | PARSIPPANY | NJ | 33 | 4,329,859 | 1,275,694 |

| Commitment Status (C,D,U,N,Z /X 95) | Parent Company Name | Location City | Location State | Number of Facilities Owned by Parent | TRI Releases & Transfers of 33/50 Chemicals (1988 Pounds) (1992 Pounds) | |
|---|-------------------------------|-------------------|----------------|--------------------------------------|--|-----------|
| C/* | BASS PLATING CO. | BLOOMFIELD | CT | 1 | 500 | 0 |
| C/ 50% | BASSETT SUPERIOR LINES | BASSETT | VA | 16 | 2,940,425 | 2,381,878 |
| C/ 80% | BAXTER INTERNATIONAL INC | DEERFIELD | IL | 7 | 921,282 | 56,010 |
| C/ 50% | BAY ZINC CO INC | MOXEE CITY | WA | 1 | 77,250 | 1,250 |
| C/ 98% | BAYOU STEEL CORPORATION | LAPLACE | LA | 1 | 590,920 | 2,630 |
| C/*** | BEAD INDUSTRIES INC | BRIDGEPORT | CT | 2 | 54,669 | 66,588 |
| C/ 100% | BEAVER ADHESIVE INC | HILLIARD | OH | 2 | 1,000 | 7 |
| C/ 32% | BELL & HOWELL COMPANY | SKOKIE | IL | 2 | 24,234 | 0 |
| C/ 95% | BELL SPORTS HOLDING CORP | RANTOUL | IL | 1 | 149,000 | 0 |
| C/ 50% | BEMIS COMPANY INC | MINNEAPOLIS | MN | 9 | 3,106,630 | 1,738,068 |
| C/* | BENJAMIN MOORE & CO | MONTVALE | NJ | 13 | 236,075 | 22,358 |
| C/ 50% | BENNETT MFG. CO. INC. | ALDEN | NY | 1 | 21,450 | 0 |
| C/ 2 | BENTON INTERNATIONAL INC | NORTH HAVEN | CT | 2 | 124,992 | 6,665 |
| C/ 99% | BERKLEY PRODUCTS CO INC | AKRON | PA | 1 | 747,200 | 8,372 |
| C/ 100% | BESLY PRODUCTS CORPORATION | SOUTH BELOIT | IL | 1 | 25,277 | 4,256 |
| C/*** | BEST CHAIRS INC. | FERDINAND | IN | 1 | 16,943 | 35,316 |
| C/ 50% | BETHLEHEM STEEL CORPORATION | BETHLEHEM | PA | 20 | 5,663,725 | 1,670,622 |
| C/ 50% | BHAR INCORPORATED | FORT WAYNE | IN | 1 | 273 | 255 |
| C/*** | BHP HOLDINGS (USA) INC | SAN FRANCISCO | CA | 1 | 133,600 | 103,115 |
| C/ 75% | BINKLEY COMPANY | WARRENTON | MO | 1 | 106,500 | 114,680 |
| C/ 31% | BIRD BLUE BODY COMPANY | FORT VALLEY | GA | 4 | 420,451 | 175,959 |
| C/ 60% | BIRD ELECTRONIC CORPORATION | SOLOM | OH | 1 | 6,000 | 0 |
| C/ 50% | BLACK & DECKER CORPORATION | BALTIMORE | MD | 17 | 1,551,666 | 549,005 |
| C/ 78% | BLASER DIE CASTING CO | SEATTLE | WA | 1 | 23,000 | 37,000 |
| C/*** | BLOOMFIELD FOUNDRY INC | BLOOMFIELD | IA | 1 | 500 | 1,010 |
| C/* | BLUE CIRCLE AMERICA INC | MARIETTA | GA | 1 | 250 | 502 |
| C/** | BLUE RIDGE PRODUCTS CO INC | HICKORY | NC | 1 | 36,684 | 40,000 |
| C/ 20% | BLUE STREAK FINISHERS LTD | EVERETT | WA | 1 | 1,500 | 0 |
| C/ 5 | BMC INDUSTRIES INC | MINNEAPOLIS | MN | 5 | 523,788 | 175,135 |
| C/ 50% | BOEHRINGER INGELHEIM CORP | RIDGEFIELD | CT | 2 | 198,500 | 281,308 |
| C/ 50% | BOEING COMPANY | SEATTLE | WA | 20 | 13,119,748 | 7,051,637 |
| C/ 50% | BOISE CASCADE CORPORATION | BOISE | ID | 7 | 1,540,809 | 818,122 |
| C/ 50% | BOLLMAN HAT COMPANY | ADAMSTOWN | PA | 1 | 89,087 | 0 |
| C/* | BOLTON BERKLEY INC | MOBILE | AL | 1 | 0 | 2 |
| C/ 19% | BOMARKO INC | PLYMOUTH | IN | 1 | 90,300 | 51,200 |
| C/*** | BONLINE ADHESIVES INC | EVANSVILLE | IN | 1 | 1,500 | 1,500 |
| C/ 75% | BONIDE PRODUCTS INC | YORKVILLE | NY | 1 | 250 | 5 |
| C/*** | BORDEN CHEM & PLAS LTD PARTNR | COLUMBUS | OH | 1 | 11,781 | 2,233 |
| C/* | BORDEN INC | NEW YORK | NY | 20 | 2,612,320 | 1,671,938 |
| C/ 50% | BOSTIK INC | MIDDLETON | MA | 3 | 156,728 | 43,539 |
| C/* | BOURNS INC | RIVERSIDE | CA | 4 | 127,697 | 135,480 |
| C/ 30% | BOWATER INCORPORATED | GREENVILLE | SC | 2 | 773,877 | 616,718 |
| C/ 61% | BOWDEN INDUSTRIES | TIGARD | OR | 2 | 45,100 | 19,564 |
| C/ 24% | BP AMERICA INC | CLEVELAND | OH | 19 | 5,156,596 | 2,146,484 |
| C/ 50% | BRIDGESTONE/FIRESTONE INC | AKRON | OH | 9 | 1,022,762 | 410,577 |
| C/ 12% | BRIDPORT-GUNDRY INC | MOODUS | CT | 1 | 124,475 | 101,076 |
| C/ 50% | BRISTOL-MYERS SQUIBB COMPANY | NEW YORK | NY | 15 | 4,876,002 | 2,440,302 |
| C/** | BROD & MCCLUNG-PACE CO | PORTLAND | OR | 1 | 34,240 | 19,126 |
| C/ 95% | BROWN-SHOE CO. | COLUMBUS | OH | 1 | 114,356 | 7,769 |
| C/ 13% | BROOKLYN PARK OIL CO INC | MINNEAPOLIS | MN | 2 | 50,300 | 9,329 |
| C/ 50% | BROWN GROUP INC | SAINT LOUIS | MO | 22 | 1,188,028 | 520,037 |
| C/ 18% | BRUDERER INC | HUNTSVILLE | AL | 1 | 7,220 | 0 |
| C/ 95% | BRULIN & COMPANY INC | INDIANAPOLIS | IN | 1 | 4,800 | 1,255 |
| C/ 95% | BUCHAN INDUSTRIES INC | CLIFTON HEIGHTS | PA | 1 | 9,025 | 9,271 |
| C/** | BUCKBEE-GREIG HOLDING CORP | MINNEAPOLIS | MN | 1 | 604,385 | 0 |
| C/ 39% | BUCKSTAFF COMPANY | OSHKOSH | WI | 1 | 14,521 | 0 |
| C/ 8 | BUFFALO COLOR CORPORATION | PARSIPPANY | NJ | 1 | 10,573 | 10,205 |
| C/ 40% | BULK MOLDING COMPOUNDS INC | SAINT CHARLES | IL | 1 | 48,555 | 0 |
| C/ 35% | BURKE HILLS INC | VALDESE | NC | 1 | 42,863 | 33,916 |
| C/* | BURLE INDUSTRIES INC | LANCASTER | PA | 1 | 61,000 | 34,500 |
| C/* | BURMAN CASTROL INC | NEW YORK | NY | 7 | 41,040 | 67,455 |
| C/* | BURNHAM CORPORATION | LANCASTER | PA | 2 | 99,649 | 98,190 |
| C/ 71% | BURR-BROWN CORPORATION | TUCSON | AZ | 1 | 24,887 | 0 |
| C/ 26% | BURROUGHS WELLCOME CO | DURHAM | NC | 2 | 469,075 | 576,190 |
| C/ 50% | C P H HOLDING CORPORATION | CHICAGO | IL | 2 | 11,000 | 5,233 |
| C/ 50% | C W HOLDING CO | FORT WASHINGTON | PA | 1 | 2,750 | 0 |
| C/* | C-K COMPOSITES INC. | MOUNT PLEASANT | PA | 1 | 13,000 | 0 |
| C/*** | C. A. DAHLIN CO | ELK GROVE VILLAGE | IL | 1 | 0 | 15,000 |
| C/* | C. M. TUCKER LUMBER CORP. | PAGELAND | SC | 2 | 0 | 2,000 |
| C/*** | C. P. INC | COMMERSTVILLE | IN | 1 | 4,390 | 3,750 |

| Commitment Status (C,D,U,N,Z / % 95) | Parent Company Name | Location City | Location State | Number of Facilities Owned by Parent | TRI Releases & Transfers of 33/50 Chemicals (1988 Pounds) (1992 Pounds) | |
|--|--------------------------------|-------------------|-------------------|---|---|-----------|
| | | | | | | |
| C/ 50% | C. W. ZUMBIEL CO | CINCINNATI | OH | 1 | 113,800 | 35,500 |
| C/ 60% | CAAP CO. INC. | MILFORD | CT | 1 | 250 | 500 |
| C/ 50% | CABOT CORPORATION | BOSTON | MA | 8 | 833,571 | 2,526,243 |
| C/ 50% | CALDWELL PRODUCTS INC | ABILENE | TX | 1 | 19,630 | 17,280 |
| C/ 50% | CALGON CARBON CORPORATION | PITTSBURGH | PA | 1 | 20,819 | 19,236 |
| C/ 50% | CALIG STEEL DRUM CO. | MC KEES ROCKS | PA | 1 | 81,400 | 26,723 |
| C/* | CALSONIC INTERNATIONAL INC | IRVINE | CA | 3 | 680,121 | 194,082 |
| C/ 90% | CAMBRIDGE HOLDING COMPANY | CINCINNATI | OH | 1 | 7,800 | 5,000 |
| C/ 84% | CAMBRIDGE WIRE CLOTH CO INC | CAMBRIDGE | MD | 1 | 55,748 | 46,600 |
| C/ 95% | CANON BUSINESS MACHINES INC | COSTA MESA | CA | 1 | 35,700 | 4,050 |
| C/ 50% | CAPITAL RESIN CORPORATION | COLUMBUS | OH | 1 | 42,480 | 9,050 |
| C/** | CAPITOL PRODUCTS COMPANY INC | WINSTED | CT | 1 | 0 | 0 |
| C/* | CARBONE-LORRAINE NORTH AMERICA | PARSIPPANY | NJ | 1 | 13,995 | 13,371 |
| C/** | CARD PAK INC | CLEVELAND | OH | 1 | 65,395 | 74,291 |
| C/ 38% | CARGILL INCORPORATED | CRAWFORD | MI | 26 | 2,430,931 | 1,188,125 |
| C/ 86% | CARPENTER TECHNOLOGY CORP | READING | PA | 5 | 2,808,918 | 98,688 |
| C/ 50% | CARTER MACHINE CO INC | GALION | OH | 1 | 750 | 0 |
| C/** | CARTER-WALLACE INC | NEW YORK | NY | 1 | 255 | 5 |
| C/** | CASCADE CABINET CORPORATION | WOODINVILLE | WA | 1 | 112,900 | 145,984 |
| C/** | CASKET SHELLS INCORPORATED | ENYON | PA | 2 | 20,640 | 2,750 |
| C/ 80% | CASPIAN INC | SAN DIEGO | CA | 1 | 355,068 | 0 |
| C/ 54% | CAST-FAB TECHNOLOGIES INC | CINCINNATI | OH | 1 | 24,196 | 39,398 |
| C/ 60% | CATERPILLAR INC | PEORIA | IL | 18 | 1,581,019 | 618,953 |
| C/** | CELLO-FOIL PRODUCTS INC | BATTLE CREEK | MI | 2 | 33,390 | 18,149 |
| C/ 50% | CENTRAL PLASTICS COMPANY | SHAMMEE | OK | 1 | 26,950 | 33,451 |
| C/ 50% | CERA-MITE CORPORATION | GRAFTON | WI | 2 | 156,831 | 32,000 |
| C/ 50% | CERTAINTED CORPORATION | VALLEY FORGE | PA | 7 | 83,311 | 48,163 |
| C/ 50% | CF&I STEEL CORP. | PUEBLO | CO | 1 | 457,804 | 212,834 |
| C/ 49% | CHAMPION INTERNATIONAL CORP | STAMFORD | CT | 9 | 1,816,028 | 2,240,275 |
| C/** | CHANNELOCK INC | MEADVILLE | PA | 3 | 152,459 | 75,231 |
| C/ 79% | CHART INDUSTRIES INC | WILLOUGHBY | OH | 2 | 28,508 | 21,920 |
| C/* | CHARTHOUSE EQUITY PARTNERS LP | NEW YORK | NY | 1 | 3,395 | 0 |
| C/ 90% | CHEM-TECH LTD | DES MOINES | IA | 1 | 800 | 350 |
| C/** | CHEM-TECH RUBBER INC | NEW HAVEN | CT | 2 | 1,125,132 | 936,050 |
| C/ 75% | CHEMCOAT INC | MONTICELLOVILLE | PA | 1 | 157,100 | 1,000 |
| C/* | CHEMDESIGN CORPORATION | FITCHBURG | MA | 2 | 148,080 | 64,119 |
| C/ 75% | CHEMI-TROL CHEMICAL CO | GIBSONBURG | OH | 1 | 109,008 | 125,000 |
| C/* | CHEMICAL MILLING INTL CORP | ROSAWOND | CA | 2 | 234,356 | 109,518 |
| C/** | CHEMICAL SOLVENTS INC | CLEVELAND | OH | 2 | 20,002 | 173,919 |
| C/* | CHEMICAL SPECIALISTS & DEVEL. | CONROE | TX | 1 | 1,000 | 23,236 |
| C/** | CHEMINCON | NILAN | MI | 1 | 0 | 0 |
| C/* | CHESAPEAKE HARDWOOD PRODUCTS | CHESAPEAKE | VA | 1 | 186,500 | 0 |
| C/ 50% | CHESTNUT RIDGE FOAM INC. | LATROBE | PA | 1 | 30,000 | 18,000 |
| C/ 50% | CHEVRON CORPORATION | SAN FRANCISCO | CA | 27 | 4,179,264 | 2,982,912 |
| C/ 50% | CHICAGO ADHESIVE PRODUCTS CO | CHICAGO | IL | 1 | 500 | 250 |
| C/ 99% | CHICAGO PNEUMATIC TOOL CO. | UTICA | NY | 1 | 49,124 | 0 |
| C/ 68% | CHRYSLER CORPORATION | DETROIT | MI | 37 | 13,411,819 | 3,452,205 |
| C/ 50% | CIBA-GEIGY CORPORATION | ARDSLEY | NY | 15 | 2,821,224 | 1,891,330 |
| C/** | CIBRO PETROLEUM BRONX INC | BRONX | NY | 1 | 2,000 | 4,020 |
| C/* | CINCINNATI VULCAN CO INC | CINCINNATI | OH | 1 | 0 | 39 |
| C/** | CIRCUIT SCIENCE INC | PLYMOUTH | MI | 1 | 250 | 0 |
| C/ 20% | CITGO PETROLEUM CORPORATION | TULSA | OK | 3 | 1,048,100 | 1,115,155 |
| C/* | CITY MACHINE & WHEEL CO. INC. | STOW | OH | 1 | 0 | 0 |
| C/** | CLYDE MACHINES INC | GLENWOOD | MI | 1 | 0 | 0 |
| C/** | COACH & CAR EQUIPMENT CORP | ELK GROVE VILLAGE | IL | 1 | 0 | 0 |
| C/** | COATING PLACE INCORPORATED | VERONA | WI | 1 | 149,000 | 125,300 |
| C/ 50% | COATING SYSTEMS INC. | NASHUA | NH | 1 | 2,640 | 0 |
| C/ 38% | COATS PATONS NORTH AMERICA | GREENVILLE | SC | 8 | 175,277 | 155,094 |
| C/ 52% | COLD HEADING CO | DETROIT | MI | 1 | 19,280 | 70,365 |
| C/** | COLLINS & AIKMAN HOLDINGS II | CHARLOTTE | NC | 17 | 1,435,072 | 357,812 |
| C/ 60% | COLLIS INC. | CLINTON | IA | 2 | 131,868 | 96,010 |
| C/** | COLORADO PAINT COMPANY | DENVER | CO | 1 | 0 | 1,500 |
| C/* | COLUMBIA CORRUGATED BOX CO | PORTLAND | OR | 1 | 21,830 | 0 |
| C/* | COLUMBIA STEEL CASTING CO | PORTLAND | OR | 1 | 0 | 15,861 |
| C/ 89% | CONDIAL CORPORATION | CHARLOTTESVILLE | VA | 1 | 130,000 | 43,758 |
| C/ 100% | COMMERCIAL ENAMELING CO | HUNTINGTON PARK | CA | 1 | 1,500 | 1,005 |
| C/ 45% | COMMERCIAL METALS COMPANY | DALLAS | TX | 7 | 783,043 | 44,865 |
| C/** | CONO PLASTICS CORPORATION | COLUMBUS | IN | 1 | 35,417 | 52,667 |
| C/ 8 | CONAGRA INC | OMAHA | NE | 11 | 110,499 | 11,932 |
| C/* | CONCORD LITHO COMPANY INC | CONCORD | NH | 1 | 0 | 20,118 |

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|--|--------------------------------|-------------------|----------------|--------------------------------------|---|------------|
| C/ 50% | CONDERE CORPORATION | HAMDEN | CT | 1 | 39,000 | 0 |
| C/* | CONKLIN COMPANY INC | SHAKOPEE | MN | 1 | 250 | 750 |
| C/* | CONNECTICUT WIRE PRODUCTS LTD | WALLINGFORD | CT | 1 | 0 | 99,900 |
| C/ 58% | CONSOLIDATED PAPERS INC | WISCONSIN RAPIDS | WI | 3 | 296,600 | 266,100 |
| C/**** | CONTACT LUMBER COMPANY | PORTLAND | OR | 1 | 56,112 | 58,300 |
| C/ 50% | CONTRAN CORPORATION | DALLAS | TX | 4 | 1,676,968 | 834,606 |
| C/ 69% | COOPER INDUSTRIES INC | HOUSTON | TX | 79 | 2,328,801 | 1,188,082 |
| C/ 20% | COOPERS CREEK CHEMICAL | WEST CONSHOHOCKEN | PA | 1 | 10,515 | 8,850 |
| C/ 14% | CORNING INC | CORNING | NY | 21 | 2,523,789 | 1,713,531 |
| C/ 50% | CORONET PAPER CORP | CARLSTADT | NJ | 1 | 31,720 | 5,105 |
| C/**** | COURTAULDS FIBERS | AXIS | AL | 1 | 0 | 0 |
| C/**** | CP INDUSTRIES | SALT LAKE CITY | UT | 1 | 0 | 0 |
| C/**** | CP INDUSTRIES INC. | MC KEESPORT | PA | 1 | 23,520 | 0 |
| C/ 50% | CRAIN INDUSTRY | EASTON | PA | 1 | 419,450 | 282,410 |
| C/* | CREATIVE FOAM CORPORATION | FENTON | MI | 2 | 684,953 | 323,512 |
| C/* | CREATIVE MODELING & DIE MFG CO | NORTH ATTLEBORO | MA | 1 | 0 | 0 |
| C/**** | CRENLO INC | ROCHESTER | MN | 1 | 61,700 | 83,788 |
| C/**** | CREST COATING INC | ANAHEIM | CA | 1 | 56,055 | 16,335 |
| C/* | CRITERION CATALYST LTD PARTNR | HOUSTON | TX | 3 | 29,301 | 12,223 |
| C/* | CRL INC | DES PLAINES | IL | 2 | 28,455 | 0 |
| C/ 50% | CROMPTON & KNOWLES CORPORATION | STAMFORD | CT | 6 | 121,479 | 32,627 |
| C/ 30% | CROWN CITY PLATING CO | EL MONTE | CA | 1 | 341,740 | 135,470 |
| C/ 50% | CROWN CORK & SEAL COMPANY | PHILADELPHIA | PA | 47 | 4,645,081 | 1,466,380 |
| C/ 95% | CROWN EQUIPMENT CORPORATION | NEW BREMEN | OH | 1 | 210,966 | 0 |
| C/ 21% | CROWN METAL FINISHING CO INC | KENILWORTH | NJ | 1 | 133,343 | 41,500 |
| C/**** | CROWN ROLL LEAF INC | PATERSON | NJ | 2 | 46,298 | 111,920 |
| C/**** | CRUISTAR INCORPORATED | OCONTO | WI | 1 | 30,000 | 0 |
| C/* | CRUMRINE MFG JEWELERS | RENO | NV | 1 | 36,900 | 7 |
| C/**** | CRYSTAL LITE MANUFACTURING CO | TUALATIN | OR | 2 | 0 | 10,800 |
| C/ 50% | CRYSTAL SPRINGS PRINT WORKS | CHICKAMAUGA | GA | 1 | 40,850 | 0 |
| C/ 50% | CSC INDUSTRIES INC | WARREN | OH | 1 | 668,157 | 9,931 |
| C/ 50% | CTS CORPORATION | ELKHART | IN | 6 | 771,320 | 450,500 |
| C/ 50% | CUSTOM ELECTRONICS INC | ONEONTA | NY | 1 | 16,800 | 10,900 |
| C/**** | CUSTOM PRODUCTS CORPORATION | MENOMONEE FALLS | WI | 2 | 14,561 | 0 |
| C/**** | CUSTOM WOOD PRODUCTS INC. | ROANOKE | VA | 2 | 16,000 | 0 |
| C/ 35% | CUTLER CORPORATION | PORTLAND | OR | 2 | 10,574 | 2,010 |
| C/ 50% | CYTEC INDUSTRIES | WEST PATERSON | NJ | 10 | 3,043,592 | 1,812,060 |
| C/**** | D. W. DAVIES & CO INC | RACINE | WI | 1 | 250 | 255 |
| C/**** | DAKOTA TRANSPORTATION SERVICES | SIOUX FALLS | SD | 1 | 0 | 0 |
| C/ 97% | DAL-TILE GROUP INC | DALLAS | TX | 4 | 5,365 | 2,935 |
| C/ 75% | DALTON FOUNDRIES INC | WARSAW | IN | 2 | 594,000 | 672,839 |
| C/**** | DANA CORPORATION | TOLEDO | OH | 33 | 3,908,011 | 2,178,695 |
| C/* | DAVIS & HENPHILL | ELK RIDGE | MD | 1 | 60,670 | 12,564 |
| C/ 50% | DAY & ZIMMERMANN INCORPORATED | RADNOR | PA | 1 | 5,250 | 0 |
| C/ 50% | DBA PRODUCTS CO INC | LAKE BLUFF | IL | 1 | 250 | 0 |
| C/**** | DE WILS INDUSTRIES | VANCOUVER | WA | 1 | 32,714 | 36,206 |
| C/**** | DECOR GRAVURE INC. | SENSENVILLE | IL | 1 | 314,700 | 41,650 |
| C/* | DEERE & COMPANY | MOLINE | IL | 12 | 1,071,813 | 555,872 |
| C/ 20% | DEFT INCORPORATED | IRVINE | CA | 2 | 317,501 | 5,790 |
| C/**** | DEGUSSA CORPORATION | RIDGEFIELD PARK | NJ | 6 | 451,796 | 853,199 |
| C/ 50% | DELBAR PRODUCTS INC | PERKASIE | PA | 2 | 174,282 | 122,237 |
| C/**** | DELTA ENGINEERING & MFG CO | TUALATIN | OR | 1 | 12,178 | 19,730 |
| C/* | DELTA RESINS & REFRACTORIES | MILWAUKEE | WI | 2 | 0 | 300 |
| C/ 80% | DELTA RUBBER COMPANY | DANIELSON | CT | 1 | 77,288 | 0 |
| C/* | DESIGN HOUSE INC | GERMANTOWN | WI | 1 | 134,705 | 127,491 |
| C/ 95% | DETXEX CORPORATION | SOUTHFIELD | MI | 5 | 182,079 | 18,079 |
| C/ 51% | DEXTER CORPORATION | WINDSOR LOCKS | CT | 14 | 233,648 | 172,410 |
| C/ 60% | DEXTER SHOE COMPANY | DEXTER | ME | 5 | 253,000 | 102,619 |
| C/ 11% | DIAL CORP | PHOENIX | AZ | 2 | 27,422 | 40,370 |
| C/ 49% | DIEBOLD INC. | CANTON | OH | 3 | 29,010 | 1 |
| C/**** | DISPLAY PACK INC | GRAND RAPIDS | MI | 1 | 6,422 | 0 |
| C/* | DISSTON COMPANY | DANVILLE | VA | 1 | 129,276 | 24,000 |
| C/ 80% | DITRI ASSOCIATES INC | GREENWICH | CT | 1 | 3,618 | 0 |
| C/**** | DITTLER BROTHERS | ATLANTA | GA | 3 | 850,771 | 420,600 |
| C/**** | DOCK RESINS CORPORATION | LINDEN | NJ | 1 | 10,100 | 7,283 |
| C/ 49% | DOE RUN COMPANY | SAINT LOUIS | MO | 2 | 6,968,954 | 18,739,477 |
| C/ 50% | DONALDSON COMPANY INC | MINNEAPOLIS | MN | 9 | 717,112 | 377,838 |
| C/ 50% | DORMA DOOR CONTROLS INC | REAMSTOWN | PA | 1 | 85,780 | 30,040 |
| C/ 82% | DOUGLAS & LOMASON COMPANY | FARMINGTON HILLS | MI | 9 | 599,755 | 58,000 |
| C/ 50% | DOW CHEMICAL COMPANY | MIDLAND | MI | 21 | 6,213,031 | 2,684,715 |

| Commitment Status (C,D,U,N,Z /% 95) | Parent Company Name | Location City | Location State | Number of Facilities Owned by Parent | TRI Releases & Transfers of 33/50 Chemicals (1988 Pounds) | (1992 Pounds) |
|-------------------------------------|--------------------------------|------------------------|----------------|--------------------------------------|---|---------------|
| C/ 16% | DOW CORNING CORPORATION | MIDLAND | MI | 8 | 1,301,693 | 1,772,779 |
| C/ 90% | DOWCRAFT CORPORATION | FALCONER | NY | 1 | 90,347 | 54,083 |
| C/ 42% | DRESSER INDUSTRIES INC | DALLAS | TX | 10 | 253,785 | 123,796 |
| C/ 32% | DSM FINANCE USA INC | WILMINGTON | DE | 3 | 1,614,544 | 1,077,727 |
| C/ 50% | DUKANE CORPORATION | SAINT CHARLES | IL | 1 | 20,227 | 12,100 |
| C/ 50% | DUNCAN FINANCIAL CORPORATION | FRESNO | CA | 1 | 245,637 | 102,073 |
| C/ 50% | DUNDEE MILLS INCORPORATED | GRIFFIN | GA | 1 | 250 | 10 |
| C/ 50% | DUNLOP TIRE CORPORATION | BUFFALO | NY | 2 | 56,602 | 0 |
| C/ 45% | DUO-FAST CORP. | FRANKLIN PARK | IL | 2 | 669,671 | 640,676 |
| C/* | DURA SUPREME INC. | HOWARD LAKE | MN | 1 | 0 | 45,496 |
| C/* | DURA-TECH INC | LA CROSSE | WI | 1 | 0 | 28,277 |
| C/ 46% | DURACELL INTERNATIONAL INC | BETHEL | CT | 4 | 187,337 | 11,080 |
| C/ 36% | DURIRON COMPANY INC | DAYTON | OH | 4 | 113,200 | 67,155 |
| C/*** | DYNAMIC METAL PRODUCTS COMPANY | MANCHESTER | CT | 1 | 0 | 0 |
| C/ 50% | E. I. DU PONT DE NEMOURS & CO | WILMINGTON | DE | 61 | 25,636,389 | 12,763,210 |
| C/ 100% | E. LIBERTY ELECTROPLATING INC. | GLENSHAM | PA | 1 | 25,890 | 15,500 |
| C/ 10% | E. R. MOORE CO | CHICAGO | IL | 1 | 94,500 | 26,871 |
| C/ 33% | EAGLE CHEMICALS INC. | HAMILTON | OH | 1 | 250 | 500 |
| C/ 50% | EAGLE-PICHER INDUSTRIES INC | CINCINNATI | OH | 24 | 1,170,284 | 341,859 |
| C/ 50% | EASTMAN KODAK COMPANY | ROCHESTER | NY | 14 | 14,975,511 | 6,937,750 |
| C/ 50% | EATON CORPORATION | CLEVELAND | OH | 41 | 2,242,121 | 473,647 |
| C/** | EBONEX INC | BINGHAMTON | NY | 1 | 39,844 | 0 |
| C/ 94% | EBONITE INTERNATIONAL INC | HOPKINSVILLE | KY | 1 | 134,391 | 148,900 |
| C/* | EDCO PRODUCTS INC. | HOPKINS | MN | 1 | 1,475 | 0 |
| C/ 100% | EDISON PRICE INC. | MANHATTAN | NY | 1 | 21,062 | 20,873 |
| C/ 46% | EKCO GROUP INC | NASHUA | NH | 2 | 243,577 | 0 |
| C/** | EKLUND METAL TREATING INC. | LOVES PARK | IL | 1 | 60 | 5 |
| C/ 50% | EKTRON INDUSTRIES INC | ALMNSVILLE | OR | 1 | 20,266 | 750 |
| C/ 50% | ELASTOMERIC TECHNOLOGIES INC | HATBORO | PA | 1 | 25,100 | 17,600 |
| C/ 75% | ELCO FOREST PRODUCTS INC | OPELOUSAS | LA | 1 | 2,239 | 0 |
| C/* | ELDRE CORPORATION | ROCHESTER | NY | 1 | 0 | 0 |
| C/*** | ELECTRIC STEEL CASTINGS CO | INDIANAPOLIS | IN | 1 | 0 | 0 |
| C/*** | ELECTRO-PLATERS OF YORK INC | WRIGHTSVILLE | PA | 1 | 10,200 | 0 |
| C/* | ELECTRONIC CHROME CO INC | SANTA FE SPRINGS | CA | 1 | 200 | 0 |
| C/* | ELECTROTEK CORPORATION | OAK CREEK | WI | 1 | 14,525 | 0 |
| C/ 43% | ELF AGUITAINE INC | NEW YORK | NY | 17 | 350,297 | 233,789 |
| C/ 50% | ELI LILLY AND COMPANY | INDIANAPOLIS | IN | 7 | 5,749,879 | 7,839,139 |
| C/ 80% | ELJO PRODUCTS INC | PENNSAUCKEN | NJ | 1 | 87,500 | 0 |
| C/ 27% | ELKAY MFG. CO. | BROADVIEW | IL | 3 | 512,385 | 294,768 |
| C/ 60% | ELPACO COATINGS CORP. | ELKHART | IN | 1 | 10,449 | 25,193 |
| C/ 15% | EN INDUSTRIES INC | HAWTHORNE | NY | 2 | 151,929 | 4,395 |
| C/ 65% | EMERALD ACQUISITION CORP | OAK BROOK | IL | 3 | 10,900 | 11,550 |
| C/* | EMERALD PACKAGING INC | BERKELEY | CA | 1 | 351,500 | 0 |
| C/ 50% | EMERSON ELECTRIC CO | SANT LOUIS | MO | 72 | 5,623,345 | 2,864,826 |
| C/* | EMPORIUM SPECIALTIES CO INC | AUSTIN | PA | 1 | 19,640 | 13,805 |
| C/* | ENAMELERS & JAPANNERS INC | CHICAGO | IL | 1 | 207,450 | 54,075 |
| C/ 50% | ENGELHARD CORPORATION | ISELIN | NJ | 8 | 531,886 | 189,229 |
| C/ 100% | ENGINEERING PLASTIC PRODUCTS | READING | PA | 1 | 40,550 | 0 |
| C/*** | ENSIGN-BICKFORD IND. INC. | SIMSBURY | CT | 5 | 79,550 | 74,337 |
| C/ 95% | ENVIRONMENTAL COATINGS INC | CALEDONIA | MI | 1 | 38,500 | 8,561 |
| C/ 50% | EPEC INC | NEW BEDFORD | MA | 1 | 33,760 | 0 |
| C/ 100% | ERDLE PERFORATING CO. INC. | ROCHESTER | NY | 1 | 41,000 | 0 |
| C/ 42% | ERICSSON G E MOBILE COMM. HLD | RESEARCH TRIANGLE PARK | NC | 1 | 17,318 | 0 |
| C/* | ERNIE GREEN INDUSTRIES INC | DAYTON | OH | 4 | 459,531 | 314,304 |
| C/ 16% | ESAB GROUP INC | FLORENCE | SC | 2 | 11,349 | 9,838 |
| C/ 50% | ESSILOR OF AMERICA INC | SAINT PETERSBURG | FL | 2 | 43,250 | 35,936 |
| C/ 46% | ETHYL CORPORATION | RICHMOND | VA | 3 | 87,450 | 65,377 |
| C/*** | EXCELL POLISHING & BUFFING CO | WADSWORTH | OH | 1 | 40,786 | 47,132 |
| C/ 80% | EXCELLO SPECIALTY COMPANY | CLEVELAND | OH | 1 | 30,050 | 0 |
| C/ 50% | EXXON CORPORATION | IRVING | TX | 24 | 4,644,249 | 3,610,504 |
| C/** | F C HOLDINGS INC | RICHMOND | VA | 1 | 20,939 | 0 |
| C/*** | FABRICATED METALS INDUSTRIES | ROANOKE | VA | 1 | 12,259 | 0 |
| C/ 47% | FACILE HOLDINGS INC | PATERSON | NJ | 2 | 739,785 | 5 |
| C/*** | FAIR RITE PRODUCTS CORP | WALKILL | NY | 2 | 2,250 | 2,000 |
| C/ 40% | FALCON JET CORPORATION | PARAMUS | NJ | 2 | 355,070 | 47,077 |
| C/ 2 | FARLEY INC | CHICAGO | IL | 9 | 295,713 | 52,193 |
| C/* | FARR COMPANY | EL SEGUNDO | CA | 1 | 0 | 0 |
| C/** | FASCO MOTOR GROUP INC | CHESTERFIELD | MO | 7 | 558,804 | 452,551 |
| C/ 50% | FEDERAL PAPER BOARD COMPANY | MONTVALE | NJ | 7 | 2,588,589 | 1,306,942 |
| C/ 50% | FEDERAL-MOGUL CORPORATION | DETROIT | MI | 12 | 850,232 | 303,862 |

| Commitment Status (C,D,U,M,Z / % 95) | Parent Company Name | Location City | Location State | Number of Facilities Owned by Parent | TRI Releases & Transfers of 33/50 Chemicals (1988 Pounds) (1992 Pounds) | |
|--|--------------------------------|-----------------|----------------|--------------------------------------|--|------------|
| C/ 18% | FELDKIRCHER WIRE FABG CO | NASHVILLE | TN | 1 | 398 | 500 |
| C/** | FERNCO INC | DAVISON | MI | 1 | 0 | 0 |
| C/ 90% | FERRO CORPORATION | CLEVELAND | OH | 13 | 455,446 | 141,030 |
| C/**** | FERRONICS INCORPORATED | FAIRPORT | NY | 1 | 4,660 | 3,150 |
| C/* | FIBERWEB NORTH AMERICA | WASHOUGAL | WA | 1 | 0 | 0 |
| C/* | FIBRE GLASS-EVERCOAT COMPANY | CINCINNATI | OH | 2 | 25,250 | 250 |
| C/**** | FIFTH DIMENSION INC | TRENTON | NJ | 1 | 10,535 | 5 |
| C/ 88% | FINITE INDUSTRIES INC | CARLSTADT | NJ | 1 | 482,321 | 0 |
| C/**** | FIRST MISSISSIPPI CORPORATION | JACKSON | MS | 4 | 686,426 | 167,444 |
| C/**** | FISONS CORPORATION | ROCHESTER | NY | 1 | 3,395 | 9,665 |
| C/**** | FLAGSHIP TRADING CORP | CLEVELAND | OH | 1 | 250 | 250 |
| C/ 80% | FLEET DESIGN INC | PORTLAND | TN | 1 | 3,084 | 15 |
| C/**** | FLETCHER PAPER COMPANY | ALPENA | MI | 1 | 36,710 | 879,418 |
| C/ 54% | FLEXCON COMPANY INC | SPENCER | MA | 4 | 574,417 | 478,616 |
| C/ 50% | FLEXFAB INC. | HASTINGS | MI | 1 | 32,579 | 0 |
| C/ 43% | FLEXSTEEL INDUSTRIES INC | DUBUQUE | IA | 5 | 99,685 | 50,444 |
| C/**** | FLINT INK CORPORATION | DETROIT | MI | 14 | 305,655 | 363,184 |
| C/ 50% | FMC CORPORATION | CHICAGO | IL | 25 | 1,015,321 | 639,936 |
| C/**** | FORBO INDUSTRIES | HAZLETOM | PA | 1 | 132,790 | 20,000 |
| C/ 15% | FORD MOTOR COMPANY | DEARBORN | MI | 52 | 17,662,428 | 13,832,554 |
| C/ 21% | FORSCH LTD | ATLANTA | GA | 2 | 818,940 | 487,944 |
| C/ 50% | FORT HOWARD CORPORATION | GREEN BAY | WI | 4 | 523,643 | 459,930 |
| C/ 5 | FOTO MARK INC. | MENDOTA HEIGHTS | WI | 2 | 103,215 | 100,047 |
| C/ 50% | FOX VALLEY CORPORATION | APPLETON | WI | 1 | 107,691 | 0 |
| C/ 57% | FRANKLIN INDUSTRIES INC | FRANKLIN | PA | 1 | 1,000,000 | 1,183,293 |
| C/**** | FRED JONES MANUFACTURING CO | OKLAHOMA CITY | OK | 1 | 0 | 0 |
| C/* | FRICTION MATERIAL COMPANY INC | HUNTINGTON | IN | 1 | 27,042 | 0 |
| C/ 77% | FRITZ INDUSTRIES INC | DALLAS | TX | 1 | 89,400 | 46,000 |
| C/ 50% | FROST PAINT & OIL CORP. | MINNEAPOLIS | MN | 1 | 7,000 | 43,166 |
| C/* | FUCHS CORPORATION | HARVEY | IL | 2 | 750 | 1,512 |
| C/ 24% | FULCRUM II LIMITED PARTNERSHIP | NEW YORK | NY | 6 | 141,100 | 75,982 |
| C/* | FUNK FINECAST INC | COLUMBUS | OH | 1 | 14,290 | 575 |
| C/ 50% | FURNAS ELECTRIC COMPANY | BATAVIA | IL | 1 | 15,726 | 23,728 |
| C/ 100% | FUSION CERAMICS INC | CARROLLTON | OH | 1 | 250 | 321 |
| C/* | FUTURA COATINGS INC | HAZELWOOD | MO | 1 | 3,090 | 32,982 |
| C/ 50% | G M NAMEPLATE INC | SEATTLE | WA | 1 | 16,891 | 12,231 |
| C/** | G T PRODUCTS INC | ANN ARBOR | MI | 1 | 24,250 | 14,160 |
| C/* | G. W. LISK CO. INC. | CLIFTON SPRINGS | NY | 1 | 47,522 | 13,779 |
| C/ 44% | GAF CORPORATION | WAYNE | NJ | 7 | 269,632 | 86,673 |
| C/**** | GANES CHEMICALS INC | CARLSTADT | NJ | 1 | 24,030 | 8,727 |
| C/**** | GANNON & SCOTT INC | CRANSTON | RI | 1 | 0 | 0 |
| C/ 25% | GARCY CORPORATION | PORTLAND | TN | 1 | 21,948 | 28,847 |
| C/ 75% | GARDEN WAY INC | TROY | NY | 1 | 69,400 | 0 |
| C/**** | GATES CORPORATION | DENVER | CO | 14 | 1,299,705 | 800,232 |
| C/ 56% | GAYSTON CORPORATION | SPRINGBORO | OH | 1 | 134,657 | 55,640 |
| C/* | GEA RAINEY CORP. | CATOOSA | OK | 1 | 0 | 0 |
| C/ 50% | GEFINOR (USA) INC | NEW YORK | NY | 2 | 37,114 | 17,455 |
| C/ 81% | GEIGER GROUP INC | ATLANTA | GA | 1 | 20,993 | 37,080 |
| C/* | GENA LABS. INC. | DUNCANVILLE | TX | 1 | 250 | 5 |
| C/ 34% | GENCORP INC | AKRON | OH | 16 | 7,412,363 | 5,595,301 |
| C/* | GENERAL CONFERENCE | SILVER SPRING | MD | 1 | 29,500 | 0 |
| C/ 84% | GENERAL DYNAMICS CORPORATION | ST LOUIS | MO | 15 | 2,786,390 | 818,555 |
| C/ 50% | GENERAL ELECTRIC COMPANY | FAIRFIELD | CT | 126 | 19,189,833 | 6,004,271 |
| C/ 50% | GENERAL FILTERS INC. | NOVI | MI | 1 | 33,411 | 27,445 |
| C/* | GENERAL METALS POWDER COMPANY | AKRON | OH | 1 | 10,000 | 0 |
| C/* | GENERAL MOTORS CORPORATION | DETROIT | MI | 130 | 45,038,444 | 17,802,415 |
| C/**** | GENERAL TIRE INC | AKRON | OH | 5 | 281,316 | 113,600 |
| C/**** | GENEVA STEEL | PROVO | UT | 1 | 65,086 | 13,149 |
| C/**** | GENTEX CORPORATION | CARBONDALE | PA | 1 | 46,488 | 21,285 |
| C/**** | GENUINE PARTS COMPANY | ATLANTA | GA | 7 | 466,371 | 445,024 |
| C/ 80% | GEORGIA GULF CORPORATION | ATLANTA | GA | 4 | 59,747 | 23,982 |
| C/* | GEORGIA-PACIFIC CORPORATION | ATLANTA | GA | 27 | 3,625,256 | 2,745,509 |
| C/* | GERLIN INC | WHEATON | IL | 1 | 0 | 19,580 |
| C/ 100% | GETTERS CORP OF AMERICA | CLEVELAND | OH | 1 | 54,522 | 37,543 |
| C/ 99% | GILLETTE COMPANY | BOSTON | MA | 3 | 408,021 | 81,690 |
| C/ 50% | GIRARD CUSTOM COATERS INC | TACOMA | WA | 1 | 342,364 | 149,967 |
| C/ 50% | GLASGO PLASTICS INC | SPRINGFIELD | OH | 1 | 12,630 | 0 |
| C/ 50% | GLEN RAVEN MILLS INC | BURLINGTON | NC | 3 | 54,724 | 140,221 |
| C/* | GLOBE ENGINEERING COMPANY INC | WICHITA | KS | 1 | 0 | 40,572 |
| C/ 45% | GLOBE MANUFACTURING CO | FALL RIVER | MA | 2 | 1,504,611 | 403,580 |

| Commitment Status (C,D,U,N,Z /X 95) | Parent Company Name | Location City | Location State | Number of Facilities Owned by Parent | TRI Releases & Transfers of 33/50 Chemicals (1988 Pounds) | (1992 Pounds) |
|---|--------------------------------|---------------|----------------|--------------------------------------|--|---------------|
| C/ 50% | GOEBEL FIXTURE CO | HUTCHINSON | MN | 1 | 24,543 | 0 |
| C/* | GOODMAN MANUFACTURING CO, L.P. | HOUSTON | TX | 1 | 43,725 | 0 |
| C/ 50% | GOODYEAR TIRE & RUBBER CO | AKRON | OH | 25 | 6,925,810 | 6,502,051 |
| C/* | GORDON BARTELS COMPANY | ROCKFORD | IL | 1 | 4,834 | 3,045 |
| C/* | GOMAN COMPANY | YUMA | AZ | 1 | 0 | 250 |
| C/*** | GRAFIL INC | SACRAMENTO | CA | 1 | 0 | 63,850 |
| C/ 50% | GRAVURE PACKAGING INC. | RICHMOND | VA | 1 | 81,300 | 36,981 |
| C/ 50% | GRAYHILL INC | LA GRANGE | IL | 1 | 8,456 | 0 |
| C/*** | GREAT WESTERN FOAM PDTS CORP | HAYWARD | CA | 2 | 58,725 | 0 |
| C/* | GREAT WESTERN FOAM PDTS CORP | ORANGE | CA | 5 | 145,370 | 1,108,915 |
| C/ 50% | GREEN BAY PACKAGING INC | GREEN BAY | WI | 4 | 31,567 | 11,649 |
| C/** | GREENVILLE TECHNOLOGY INC | GREENVILLE | OH | 1 | 63,900 | 0 |
| C/ 25% | GREENVILLE TUBE CORPORATION | GREENVILLE | PA | 1 | 114,780 | 103,900 |
| C/** | GRIFFITH POLYMERS | HILLSBORO | OR | 1 | 29,491 | 0 |
| C/* | GROTE MANUFACTURING CO INC | MADISON | IN | 1 | 94,792 | 21,950 |
| C/ 50% | GRUMMAN CORPORATION | BETHPAGE | NY | 9 | 2,460,476 | 804,209 |
| C/** | GTI CORPORATION | SAN DIEGO | CA | 1 | 21,096 | 4,500 |
| C/* | GUARDIAN ELECTRIC MFG CO | WOODSTOCK | IL | 2 | 250 | 0 |
| C/ 50% | GUARDSMAN PRODUCTS INC | GRAND RAPIDS | MI | 8 | 2,041,927 | 77,513 |
| C/*** | H & N CHEMICAL CO INC | TOTOWA | NJ | 1 | 10,700 | 8,930 |
| C/ 50% | H C C INDUSTRIES | ROSEMEAD | CA | 3 | 53,268 | 47,051 |
| C/ 47% | H ENTERPRISES INTL | MINNEAPOLIS | MN | 5 | 544,358 | 344,119 |
| C/ 76% | H. B. FULLER COMPANY | SAINT PAUL | MN | 18 | 233,990 | 66,016 |
| C/ 34% | H. M. SMYTH COMPANY | SAINT PAUL | MN | 1 | 21,250 | 17,268 |
| C/ 91% | HADCO CORPORATION | SALEM | NH | 3 | 2,308,539 | 111,088 |
| C/ 4 | HAEGER INDUSTRIES INC | DUNDEE | IL | 2 | 108,067 | 29,510 |
| C/ 64% | HAGER HINGE COMPANY | SAINT LOUIS | MO | 3 | 300,047 | 236,128 |
| C/* | HAGERHOOD INC | GRAND RAPIDS | MI | 3 | 0 | 255 |
| C/** | MALLIBURTON COMPANY | DALLAS | TX | 7 | 605,884 | 84,345 |
| C/ 50% | MALSTEAD INDUSTRIES INC | GREENSBORO | NC | 2 | 337,640 | 222,956 |
| C/ 7 | MAMILTON INDUSTRIES INC | TWO RIVERS | WI | 3 | 87 | 17,749 |
| C/** | HAMMER LITHOGRAPH CORP | ROCHESTER | NY | 1 | 0 | 14,100 |
| C/*** | HAND INDUSTRIES INC | WARSAW | IN | 1 | 51,000 | 51,600 |
| C/ 50% | HANDY & HARMAN | NEW YORK | NY | 28 | 857,325 | 555,784 |
| C/ 100% | HANDY BUTTON MACHINE CO. | MELROSE PARK | IL | 1 | 250,120 | 0 |
| C/ 75% | HANLIN GROUP INC | EDISON | NJ | 5 | 787,386 | 28,837 |
| C/ 55% | HARBISON-FISCHER MFG CO | FORT WORTH | TX | 1 | 750 | 41 |
| C/*** | HARMAN INTERNATIONAL INDS INC | WASHINGTON | DC | 2 | 140,000 | 257,211 |
| C/*** | HARRIS CORPORATION | MELBOURNE | FL | 6 | 499,483 | 172,991 |
| C/* | HARROW INDUSTRIES INC | GRAND RAPIDS | MI | 3 | 190,159 | 253,871 |
| C/** | HARSCO CORPORATION | CAMP HILL | PA | 27 | 689,194 | 510,169 |
| C/ 95% | HARTZELL FAN INC | PIGUA | OH | 1 | 45,362 | 0 |
| C/ 85% | HARTZELL MANUFACTURING INC | SAINT PAUL | MN | 2 | 12,578 | 19,959 |
| C/ 98% | HARVEY HOLDINGS INC | ATHENS | TX | 1 | 48,150 | 0 |
| C/ 50% | HASTINGS MANUFACTURING CO | HASTINGS | MI | 1 | 40,180 | 15,127 |
| C/ 24% | HAUNI RICHMOND INC. | RICHMOND | VA | 1 | 33,000 | 3,599 |
| C/ 50% | HAWORTH INC | HOLLAND | MI | 7 | 542,980 | 178,160 |
| C/*** | HAYWARD INDUSTRIES INC | ELIZABETH | NJ | 1 | 29,600 | 0 |
| C/* | HBD INDUSTRIES INC | BELLEFONTAINE | OH | 6 | 345,006 | 452,875 |
| C/* | HEIDELBERG CEMENT INC | ALLENTOWN | PA | 1 | 391,800 | 172,500 |
| C/ 75% | HERCULES ENGINE COMPANY | CANTON | OH | 1 | 16,140 | 0 |
| C/ 50% | HERCULES INCORPORATED | WILMINGTON | DE | 18 | 8,618,801 | 5,760,456 |
| C/ 50% | HERESITE PROTECTIVE COATINGS | MANITOWOC | WI | 1 | 2,100 | 0 |
| C/ 50% | HEWLETT-PACKARD COMPANY | PALO ALTO | CA | 16 | 1,471,589 | 123,738 |
| C/ 50% | HI SHEAR INDUSTRIES INC | NEW HYDE PARK | NY | 1 | 372,000 | 5,155 |
| C/*** | HIGHLAND SUPPLY CORPORATION | HIGHLAND | IL | 4 | 362,947 | 48,069 |
| C/ 2 | HILLSIDE INDUSTRIES INC | NEW YORK | NY | 2 | 2,360,884 | 16,100 |
| C/ 80% | HILLYARD ENTERPRISES INC | SAINT JOSEPH | MO | 1 | 13,300 | 0 |
| C/ 50% | HITCHNER MANUFACTURING CO | MILFORD | NH | 4 | 91,930 | 49,789 |
| C/ 2 | HM ANGLO-AMERICAN LTD | NEW YORK | NY | 49 | 3,507,970 | 2,923,182 |
| C/ 50% | HOECHST CELANESE CORPORATION | SOMERVILLE | NJ | 21 | 4,426,061 | 2,503,404 |
| C/ 62% | HOFFMAN-LA ROCHE | WUTLEY | NJ | 4 | 2,154,667 | 1,168,177 |
| C/** | HOWMAN PLATING & MFG. INC. | DAYTON | OH | 1 | 26,539 | 27,266 |
| C/ 100% | HOMACO INC | CHICAGO | IL | 1 | 7,700 | 0 |
| C/ 83% | HOME INTERIORS & GIFTS INC | DALLAS | TX | 2 | 807,500 | 194,232 |
| C/* | HOMECREST INDUSTRIES INC | WADENA | MN | 1 | 0 | 88,199 |
| C/ 100% | HOMER LAUGHLIN CHINA CO | NEWELL | WV | 1 | 13,505 | 7,293 |
| C/ 50% | HONEYWELL INC | MINNEAPOLIS | MN | 24 | 868,330 | 515,113 |
| C/ 50% | HONOLULU WOOD TREATING CO. | EWA BEACH | HI | 1 | 472 | 1,209 |
| C/ 76% | HOOD COATINGS INC | GEORGETOWN | MA | 1 | 39,249 | 16,800 |

| Commitment Status (C,D,U,N,Z /X 95) | Parent Company Name | Location City | Location State | Number of Facilities Owned by Parent | TRI Releases & Transfers of 33/50 Chemicals (1988 Pounds) | (1992 Pounds) |
|---|------------------------------|-------------------------|----------------|--------------------------------------|---|---------------|
| C/ 27% | HOOVER SYS. INC. | DALLAS | TX | 1 | 2,750 | 2,255 |
| C/ 50% | HOUGHTON INTERNATIONAL INC | VALLEY FORGE | PA | 1 | 1,000 | 500 |
| C/* | HOUSE OF PACKAGING INC. | CITY OF INDUSTRY | CA | 1 | 0 | 55,000 |
| C/* | HOUSTON PLATING CO | SOUTH HOUSTON | TX | 1 | 0 | 1,723 |
| C/ 100% | HOME FURNITURE CORPORATION | TRUMBULL | CT | 1 | 10,800 | 0 |
| C/*** | HOYA CORPORATION USA | SAN JOSE | CA | 1 | 10,700 | 0 |
| C/* | HPM CORPORATION | MOUNT GILEAD | OH | 1 | 221,049 | 46,250 |
| C/ 68% | HUTCHENS INDUSTRIES INC | SPRINGFIELD | MO | 2 | 285,662 | 17 |
| C/* | HYDRA-MAC INC | THIEF RIVER FALLS | MN | 1 | 0 | 0 |
| C/ 100% | HYDRO ALUMINUM USA INC | ROCKLEDGE | FL | 1 | 33,300 | 18,012 |
| C/* | I D L INCORPORATED | PITTSBURGH | PA | 1 | 15,000 | 11,534 |
| C/ 1 | IBM | ARMONK | NY | 12 | 4,859,181 | 1,419,838 |
| C/ 50% | ICI AMERICAS | WILMINGTON | DE | 2 | 2,088 | 5,315 |
| C/* | IDEAL FASTENER CORP | OXFORD | NC | 1 | 0 | 21,450 |
| C/** | IDEAL STENCIL MCH & TAPE CO | BELLEVILLE | IL | 1 | 250 | 0 |
| C/*** | ILLINOIS TOOL WORKS INC | GLENVIEW | IL | 25 | 846,190 | 696,896 |
| C/*** | IMAGINEERING ENTERPRISES INC | SOUTH BEND | IN | 1 | 15,000 | 13,300 |
| C/* | IMC FERTILIZER GROUP INC | NORTHBROOK | IL | 2 | 46,850 | 1,113 |
| C/ 50% | INCERA GROUP INC | NORTHBROOK | IL | 9 | 1,468,924 | 1,214,873 |
| C/* | IMI AMERICAS INC | ANOKA | MN | 5 | 31,850 | 46,418 |
| C/ 50% | IMPERIAL PAINT CO INC | PORTLAND | OR | 1 | 4,110 | 6,781 |
| C/ 50% | IMPHY ALLOYS INC | MAHWAH | NJ | 7 | 70,803 | 18,925 |
| C/ 50% | INA BEARING COMPANY INC | FORT MILL | SC | 4 | 159,694 | 146,754 |
| C/ 26% | INCO UNITED STATES INC | NEW YORK | NY | 10 | 893,759 | 434,730 |
| C/* | INDAL LTD | WESTON, ONTARIO, CANADA | | 12 | 271,278 | 442,911 |
| C/*** | INDIANHEAD PLATING INC | CHIPPEWA FALLS | WI | 1 | 120,083 | 13,985 |
| C/ 100% | INDUCTION HEAT TREATING CORP | CRYSTAL LAKE | IL | 1 | 9,255 | 0 |
| C/* | INDUSTRIAL HARD CHROME LTD. | ELK GROVE VILLAGE | IL | 1 | 14,008 | 59 |
| C/ 50% | INDUSTRIAL STEEL TREATING CO | HUNTINGTON PARK | CA | 1 | 112,000 | 87,110 |
| C/ 60% | INGERSOLL-RAND COMPANY | WOODCLIFF LAKE | NJ | 35 | 1,412,848 | 298,260 |
| C/ 48% | INLAND STEEL INDUSTRIES INC | CHICAGO | IL | 1 | 5,174,500 | 1,779,362 |
| C/ 50% | INTEL CORPORATION | SANTA CLARA | CA | 6 | 13,760 | 9,155 |
| C/ 37% | INTERLAKE CORPORATION | LISLE | IL | 9 | 368,225 | 181,529 |
| C/*** | INTERNATIONAL JENSEN INC | PRAIRIE VIEW | IL | 2 | 1,250 | 11,000 |
| C/ 58% | INTERNATIONAL PAPER COMPANY | PURCHASE | NY | 49 | 10,805,115 | 3,152,860 |
| C/ 22% | IRWIN SEATING COMPANY | GRAND RAPIDS | MI | 1 | 50,944 | 34,848 |
| C/ 50% | ISK AMERICAS INC | MENTOR | OH | 1 | 883,662 | 319,788 |
| C/* | ITEN INDUSTRIES INC | ASHTABULA | OH | 1 | 9,726 | 533 |
| C/* | ITR INDUSTRIES INC | DEER PARK | NY | 2 | 15,939 | 10,700 |
| C/ 7 | ITT CORPORATION | NEW YORK | NY | 39 | 2,307,296 | 1,073,895 |
| C/ 85% | J L G INDUSTRIES INC | YORK | PA | 2 | 143,767 | 18,950 |
| C/ 75% | J P EMCO INC | ADA | OK | 1 | 1,660,030 | 189,750 |
| C/*** | J W FERGUSON & SONS INC | RICHMOND | VA | 1 | 476,823 | 75,419 |
| C/ 50% | J. T. SLOCOMB COMPANY | SOUTH GLASTONBURY | CT | 2 | 41,001 | 0 |
| C/* | J. W. HARRIS CO INC | CINCINNATI | OH | 2 | 173,000 | 15 |
| C/* | JACOBSON MFG CO INC | KENILWORTH | NJ | 1 | 4,800 | 11 |
| C/* | JAE OREGON ELECTRONICS INC | IRVINE | CA | 1 | 0 | 17,100 |
| C/ 53% | JAMES RIVER CORP VIRGINIA | RICHMOND | VA | 28 | 2,912,730 | 1,495,352 |
| C/ 28% | JAMES-FURMAN & CO | LAKE OSWEGO | OR | 1 | 212,824 | 256,000 |
| C/ 60% | JAMESTOWN PAINT & VARNISH CO | JAMESTOWN | PA | 1 | 145,800 | 20,200 |
| C/ 50% | JANBRIDGE INC | PHILADELPHIA | PA | 1 | 16,800 | 0 |
| C/ 50% | JASPER ENGINE EXCHANGE INC. | JASPER | IN | 1 | 29,500 | 0 |
| C/ 50% | JAYAR-HOAG CHEMICAL COMPANY | LAKE ZURICH | IL | 1 | 16 | 0 |
| C/** | JEFFERSON CITY MFG CO INC | JEFFERSON CITY | MO | 1 | 29,500 | 11,000 |
| C/ 50% | JMK INTERNATIONAL INC | FORT WORTH | TX | 1 | 35,062 | 23,393 |
| C/*** | JOAN FABRICS CORPORATION | TYNGSBORO | MA | 2 | 0 | 0 |
| C/ 100% | JOHN FLUXE MFG CO INC | EVERETT | WA | 2 | 22,220 | 8,998 |
| C/** | JOHN ROBERTS COMPANY | MINNEAPOLIS | MN | 1 | 10,979 | 0 |
| C/ 65% | JOHNSON & JOHNSON | NEW BRUNSWICK | NJ | 10 | 747,400 | 275,899 |
| C/*** | JOHNSON CONTROLS INC | MILWAUKEE | WI | 25 | 1,779,364 | 333,843 |
| C/ 89% | JONES & VINING INCORPORATED | BRAINTREE | MA | 1 | 765,100 | 380,320 |
| C/*** | JOR-MAC COMPANY INC | GRAFTON | WI | 1 | 15,900 | 0 |
| C/ 27% | JORDAN GROUP INC | NEW YORK | NY | 1 | 341,750 | 304,511 |
| C/ 25% | JOYCE INTERNATIONAL INC | NEW YORK | NY | 5 | 331,071 | 187,081 |
| C/** | JULIAN B. SLEVIN CO INC | LANSDOWNE | PA | 1 | 54,366 | 125,130 |
| C/ 50% | JULIAN LUMBER CO INC | ANTLERS | OK | 1 | 752 | 250 |
| C/* | JUSTESEN INDUSTRIES INC | BLAINE | WA | 1 | 0 | 0 |
| C/* | K & L ANODIZING CORPORATION | BURBANK | CA | 1 | 0 | 8,800 |
| C/* | K SYSTEMS INC | FOSTER CITY | CA | 5 | 42,621 | 59,834 |
| C/ 37% | KALAMA CHEMICAL | SEATTLE | WA | 2 | 1,089,875 | 200,300 |

| Commitment Status (C,D,U,N,Z /X 95) | Parent Company Name | Location City | Location State | Number of Facilities Owned by Parent | TRI Releases & Transfers of 33/50 Chemicals | |
|--|---------------------------------|------------------|-------------------|---|--|---------------|
| | | | | | (1988 Pounds) | (1992 Pounds) |
| C/*** | KALCOR COATINGS COMPANY INC | WILLOUGHBY | OH | 1 | 30,900 | 20,200 |
| C/*** | KALT MANUFACTURING CO INC | PORTLAND | OR | 1 | 54,000 | 0 |
| C/. 41% | KANTHAL FURNACE PRODS. | BETHEL | CT | 2 | 100,806 | 18,111 |
| C/*** | KARMAZIN PRODUCTS CORPORATION | WYANDOTTE | MI | 1 | 84,250 | 62,005 |
| C/* | KASPAR ELECTROPLATING CORP | SHINER | TX | 1 | 0 | 1,310 |
| C/ 22% | KASPAR WIRE WORKS INC | SHINER | TX | 1 | 249,000 | 120,975 |
| C/ 52% | KATY INDUSTRIES INC | ELGIN | IL | 1 | 128,575 | 159,805 |
| C/** | KAUTT & BUX MANUFACTURING CO | MUNDELEIN | IL | 1 | 64,743 | 28,545 |
| C/** | KEENE CORPORATION | NEW YORK | NY | 1 | 0 | 10,080 |
| C/* | KELLER-CRESCENT CO INC | EVANSVILLE | IN | 1 | 12,780 | 0 |
| C/ 50% | KELLEY TECHNICAL COATINGS INC | LOUISVILLE | KY | 1 | 1,000 | 7,694 |
| C/ 43% | KELSO ASI PARTNERS L P | NEW YORK | NY | 14 | 1,045,098 | 573,662 |
| C/* | KEMIRA HOLDINGS INC | SAVANNAH | GA | 1 | 260,000 | 340,820 |
| C/ 80% | KENNEDY MFG. CO. | VAN WERT | OH | 3 | 219,232 | 116,799 |
| C/ 80% | KERN-LIEBERS USA INC | HOLLAND | OH | 2 | 108,300 | 0 |
| C/ 35% | KERR-MCGEE CORPORATION | OKLAHOMA CITY | OK | 9 | 539,822 | 327,816 |
| C/ 50% | KEY PLASTICS INC | PLYMOUTH | MI | 1 | 80,763 | 50,338 |
| C/ 100% | KEY TRONIC CORP. | SPOKANE | WA | 1 | 17,800 | 0 |
| C/*** | KEYSTONE CARBON COMPANY | ST MARYS | PA | 5 | 372,984 | 509,927 |
| C/* | KEYWELL CORP. | BALTIMORE | MD | 6 | 448,740 | 140,325 |
| C/ 50% | KIMBERLY-CLARK CORPORATION | DALLAS | TX | 9 | 1,216,871 | 531,768 |
| C/** | KITCHEN INNOVATIONS | BILOXI | MS | 1 | 320 | 24,000 |
| C/ 50% | KITZINGER COOPERAGE CORP | SAINT FRANCIS | WI | 1 | 80,023 | 35,892 |
| C/* | KLINGELNBERG CORPORATION | CINCINNATI | OH | 1 | 0 | 56,155 |
| C/* | KLIPSCH & ASSOCIATES INC | HOPE | AR | 1 | 10,100 | 11,936 |
| C/* | KNAPP WOODWORKING INC | ANOKA | MN | 1 | 39,577 | 77,188 |
| C/* | KNAUF FIBER GLASS GMBH | SHELBYVILLE | IN | 1 | 12,200 | 96,169 |
| C/ 80% | KNOWLES ELECTRONICS INC | ITASCA | IL | 2 | 6,750 | 15,300 |
| C/ 50% | KOCH LABEL CO. | EVANSVILLE | IN | 1 | 94,125 | 16,300 |
| C/ 65% | KOEHLER MANUFACTURING CO | MARLBORO | MA | 1 | 10,122 | 255 |
| C/* | KOLENE CORPORATION | DETROIT | MI | 1 | 70,750 | 0 |
| C/* | KOP-FLEX INC | BALTIMORE | MD | 1 | 44,981 | 0 |
| C/ 100% | KROMACOR PRINTING INK SPEC. | RICHMOND | VA | 1 | 3,682 | 0 |
| C/* | LA FRANCE CORP | PHILADELPHIA | PA | 1 | 0 | 1,250 |
| C/** | LA-Z-BOY CHAIR COMPANY | MONROE | MI | 14 | 1,362,896 | 945,693 |
| C/ 27% | LACKS ENTERPRISES INC | GRAND RAPIDS | MI | 7 | 1,186,675 | 887,010 |
| C/*** | LAIIDLAW ENVIRONMENTAL SERVICES | COLUMBIA | SC | 4 | 2,380,442 | 12,242 |
| C/*** | LANGLEY CORP | SAN DIEGO | CA | 2 | 11,517 | 54,661 |
| C/* | LARCO INC | BRAINERD | MN | 1 | 17,150 | 0 |
| C/* | LAROCHE HOLDINGS INC | ATLANTA | GA | 1 | 17,590 | 18,495 |
| C/*** | LASKO METAL PRODUCTS INC | WEST CHESTER | PA | 1 | 132,724 | 58,271 |
| C/ 82% | LATRONICS CORPORATION | LATROBE | PA | 1 | 30,900 | 10 |
| C/ 50% | LAWRENCE BROTHERS INC | STERLING | IL | 1 | 34,874 | 12,366 |
| C/ 14% | LECO CORPORATION | SAINT JOSEPH | MI | 1 | 62,430 | 85,000 |
| C/*** | LECTROMAT INC | MARS | PA | 1 | 4,795 | 15,233 |
| C/ 75% | LEHIGH PRESS INC | CHERRY HILL | NJ | 2 | 578,774 | 0 |
| C/ 100% | LENMAR CHEMICAL CORPORATION | DALTON | GA | 1 | 500 | 429 |
| C/ 50% | LEXMARK HOLDING INC | GREENWICH | CT | 3 | 75,564 | 41,531 |
| C/* | LIBERTY POLYGLAS INC | WEST HIFFLIN | PA | 1 | 48,401 | 24,686 |
| C/ 75% | LIEBEL-FLARSHEIM CO. | CINCINNATI | OH | 1 | 34,081 | 0 |
| C/ 50% | LINCOLN ELECTRIC COMPANY | CLEVELAND | OH | 3 | 804,019 | 559,537 |
| C/ 59% | LINCOLN GROUP INC | COLUMBIA | SC | 3 | 7,778,051 | 7,086,636 |
| C/*** | LINDERME TUBE CO | CLEVELAND | OH | 1 | 354,400 | 0 |
| C/** | LITTON INDUSTRIES INC | BEVERLY HILLS | CA | 17 | 1,179,222 | 338,925 |
| C/ 35% | LOCKHEED CORPORATION | CALABASAS | CA | 20 | 3,930,385 | 1,395,111 |
| C/* | LOFTON LABEL INC | SOUTH SAINT PAUL | MN | 1 | 0 | 0 |
| C/ 50% | LORIN IND. | MUSKEGON | MI | 1 | 23,760 | 255 |
| C/ 50% | LOUISIANA-PACIFIC CORPORATION | PORTLAND | OR | 10 | 481,293 | 572,159 |
| C/ 50% | LOUISVILLE TILE DISTRIBUTORS | LOUISVILLE | KY | 1 | 20,400 | 16,000 |
| C/ 85% | LOZIER CORPORATION | OMAHA | NE | 7 | 815,224 | 274,626 |
| C/** | LTV CORPORATION | DALLAS | TX | 3 | 299,470 | 308 |
| C/ 60% | LTV STEEL CO. INC. | CLEVELAND | OH | 12 | 2,655,429 | 923,459 |
| C/ 50% | LUBRIZOL CORP. | WICKLIFFE | OH | 4 | 214,370 | 266,971 |
| C/*** | LUCERNE PRODUCTS INC | HUDSON | OH | 1 | 25,190 | 14,500 |
| C/*** | LUK INC | WOOSTER | OH | 1 | 1,448 | 0 |
| C/** | LUKE ENGINEERING & MFG CORP | WADSWORTH | OH | 1 | 19,000 | 3,550 |
| C/ 19% | LUKENS INC | COATESVILLE | PA | 7 | 9,100,338 | 377,821 |
| C/ 50% | LUSTRE-CAL NAMEPLATE CORP | LODI | CA | 1 | 27,000 | 13,250 |
| C/ 100% | LYNN INDUSTRIAL COATINGS | BOISE | ID | 1 | 81,762 | 21,885 |
| C/ 57% | LYONDELL PETROCHEMICAL CO | HOUSTON | TX | 2 | 124,948 | 202,772 |

| Commitment Status (C,D,U,N,Z /% 95) | Parent Company Name | Location City | Location State | Number of Facilities Owned by Parent | TRI Releases & Transfers of 33/50 Chemicals (1988 Pounds) (1992 Pounds) | |
|---|--------------------------------|-------------------|-------------------|---|---|-----------|
| C/ 3 | M-C INDUSTRIES INC | LOVES PARK | IL | 2 | 17,562 | 20 |
| C/ 75% | MAC DONALD CARBIDE CO | BALDWIN PARK | CA | 1 | 10,302 | 2,424 |
| C/ 40% | MAC LEAN-FOGG COMPANY | MUNDELEIN | IL | 5 | 272,900 | 187,828 |
| C/ 39% | MACANDREWS FORBES HOLDINGS INC | NEW YORK | NY | 11 | 589,552 | 446,312 |
| C/* | MACHINERY COMPONENTS INC. | SAINT CHARLES | IL | 1 | 2,000 | 0 |
| C/** | MACHO PRODUCTS INC | PALM BAY | FL | 1 | 208,300 | 0 |
| C/**** | MACKLANBURG-DUNCAN CO. | OKLAHOMA CITY | OK | 3 | 66,063 | 7,903 |
| C/* | MADISON CHEMICAL COMPANY INC | MADISON | IN | 1 | 0 | 250 |
| C/ 55% | MADIX INC | TERRELL | TX | 1 | 541,004 | 547,065 |
| C/* | MAGEE INDUSTRIAL ENTERPRISES | BLOOMSBURG | PA | 1 | 342,615 | 250 |
| C/ 50% | MAGNETIKA NEW JERSEY INC | LAKEWOOD | NJ | 1 | 17,711 | 10,796 |
| C/** | MAGNETROL INTERNATIONAL INC | DOWNERS GROVE | IL | 1 | 0 | 0 |
| C/ 50% | MAHONING PAINT CORPORATION | YOUNGSTOWN | OH | 1 | 1,500 | 250 |
| C/ 100% | MAINE RUBBER COMPANY | WESTBROOK | ME | 1 | 15,420 | 15,420 |
| C/* | MAJESTIC METALS INC | DENVER | CO | 1 | 0 | 0 |
| C/ 95% | MALNOVE INC | OMAHA | NE | 1 | 121,392 | 0 |
| C/* | MANNING FABRICS INC | PINEHURST | NC | 1 | 27,429 | 0 |
| C/ 50% | MANSFIELD PAINT CO. | MANSFIELD | OH | 1 | 194,097 | 8,300 |
| C/* | MANTLE WHITE PARTNERSHIP | SALT LAKE CITY | UT | 6 | 533,895 | 447,215 |
| C/* | MANUFACTURERS CHEMICALS & SUP- | DALTON | GA | 1 | 0 | 0 |
| C/ 15% | MARBLECAST PRODUCTS INC | WHEELING | IL | 1 | 23,400 | 0 |
| C/ 50% | MARKEM CORP. | KEENE | NH | 1 | 97,550 | 38,450 |
| C/* | MARLEY USA HOLDING CORPORATION | JOHNSON CITY | TN | 1 | 285,600 | 94,477 |
| C/ 7 | MARMON GROUP, INC | CHICAGO | IL | 25 | 1,328,191 | 1,063,605 |
| C/* | MAROTTA SCIENTIFIC CONTROLS | MONTVILLE | NJ | 1 | 12,000 | 0 |
| C/ 5 | MARTIN FIREPROOFING GEORGIA | ELBERTON | GA | 1 | 414 | 0 |
| C/ 67% | MARTIN MARIETTA CORPORATION | BETHESDA | MD | 12 | 1,751,863 | 300,593 |
| C/ 50% | MARVIN LUMBER & CEDAR COMPANY | WARROAD | MN | 2 | 128,760 | 43,143 |
| C/**** | MASCO INDUSTRIES INC | TAYLOR | MI | 33 | 1,237,386 | 514,227 |
| C/ 35% | MASCOTECH | TAYLOR | MI | 53 | 4,884,294 | 3,216,713 |
| C/ 50% | MASK-OFF CO. INC. | MONROVIA | CA | 1 | 100 | 14,550 |
| C/ 20% | MASON COMPANY | LEXINGTON | KY | 3 | 93,321 | 30,039 |
| C/ 50% | MASTERHOLD INC. | JOHNSON CREEK | WI | 1 | 64,002 | 16 |
| C/* | MATEC CORPORATION | HOPKINTON | MA | 1 | 143,859 | 1,970 |
| C/* | MAUTZ PAINT CO | MADISON | WI | 1 | 500 | 15,771 |
| C/ 67% | MAYO CHEMICAL CO. INC. | SNYRNA | GA | 2 | 750 | 34 |
| C/ 100% | MAYVILLE ENGINEERING CO INC | MAYVILLE | WI | 1 | 8 | 0 |
| C/* | MC GEAN-ROHCO INC | CLEVELAND | OH | 3 | 293,853 | 179,427 |
| C/**** | MCCORMICK PAINTS | ROCKVILLE | MD | 1 | 0 | 0 |
| C/ 50% | MCDONNELL DOUGLAS CORP | SAINT LOUIS | MO | 14 | 4,619,458 | 2,507,889 |
| C/* | MCNEILUS COMPANIES INC | DODGE CENTER | MN | 1 | 68,308 | 41,912 |
| C/* | MEAD CORPORATION | DAYTON | OH | 12 | 349,672 | 186,168 |
| C/ 40% | MEADEN SCREW PRODUCTS COMPANY | BURR RIDGE | IL | 1 | 41,028 | 21,650 |
| C/**** | MECHANICAL GALV-PLATING CORP | SIDNEY | OH | 1 | 2,310 | 2,605 |
| C/**** | MECO INC | PARIS | IL | 1 | 36,162 | 46,628 |
| C/**** | MEMOREX CORPORATION | SANTA CLARA | CA | 1 | 30,200 | 21,850 |
| C/** | MERCER INDUSTRIES INC. | BEAVERTON | OR | 1 | 10,142 | 0 |
| C/ 50% | MERCK & CO. INC. | RAHWAY | NJ | 7 | 5,863,293 | 1,526,293 |
| C/**** | METAL LITHO INTERNATIONAL INC | TRENTON | NJ | 1 | 23,500 | 73,917 |
| C/**** | METAL-COTE INC | HARRISON TOWNSHIP | MI | 1 | 1,250 | 0 |
| C/ 50% | METALLICS INC. | OMALASKA | WI | 1 | 25,498 | 20,056 |
| C/* | METROMEDIA COMPANY | EAST RUTHERFORD | NJ | 7 | 747,279 | 464,440 |
| C/ 80% | MICHELIN CORPORATION | NEW YORK | NY | 2 | 5,163,385 | 4,629,000 |
| C/**** | MICOM CORPORATION | SAINT PAUL | MN | 1 | 10,250 | 0 |
| C/ 89% | MICRO PLATERS SALES INC | WAYNE | MI | 1 | 528 | 3,990 |
| C/ 30% | MID-AMERICA CLUTCH CO. INC. | EVANSVILLE | IN | 1 | 5,373 | 5,400 |
| C/ 50% | MID-WEST INDUSTRIAL CHEM CO | SAINT LOUIS | MO | 1 | 33,200 | 16,500 |
| C/ 100% | MIDOCO TOOL & EQUIPMENT INC | SPOKANE | WA | 1 | 23,100 | 0 |
| C/ 100% | MIDDLESEX RESEARCH MFG. CO. | HUDSON | MA | 1 | 39,000 | 18,000 |
| C/ 60% | MIDWEST LACQUER MFG CO | SCHILLER PARK | IL | 1 | 8,100 | 6,393 |
| C/ 50% | MIDWEST PLATING COMPANY INC | GRAND RAPIDS | MI | 1 | 1,500 | 520 |
| C/ 37% | MILES INC | PITTSBURGH | PA | 18 | 1,519,300 | 1,231,499 |
| C/**** | MILLER PAINT CO INC | PORTLAND | OR | 1 | 500 | 505 |
| C/**** | MILLER SMITH MFG. CO. | SPRING LAKE | MI | 1 | 0 | 0 |
| C/ 50% | MILLIKEN & COMPANY | SPARTANBURG | SC | 18 | 709,306 | 9,290 |
| C/ 50% | MILLIPORE CORPORATION | BEDFORD | MA | 6 | 207,070 | 120,549 |
| C/ 50% | MILWAUKEE CHAPLET & MFG CO | NEW BERLIN | WI | 1 | 24,394 | 16,042 |
| C/* | MITSUBISHI METAL AMERICA CORP | NEW YORK | NY | 3 | 19,619 | 825 |
| C/ 100% | NIXON INC | SAINT PAUL | MN | 1 | 144 | 255 |
| C/ 50% | MOBIL CORPORATION | FAIRFAX | VA | 19 | 7,544,256 | 5,023,033 |

| Commitment Status (C,D,U,N,Z, /X 95) | Parent Company Name | Location City | Location State | Number of Facilities Owned by Parent | TRI Releases & Transfers of 33/50 Chemicals (1988 Pounds) | (1992 Pounds) |
|--|--------------------------------|----------------|----------------|--------------------------------------|--|---------------|
| C/* | MOBILE DRILLING CO. | INDIANAPOLIS | IN | 1 | 0 | 0 |
| C/ 71% | MODERN METAL PRODUCTS CO | ROCKFORD | IL | 1 | 205 | 145 |
| C/* | MODERN WELDING COMPANY | OWENSBORO | KY | 5 | 0 | 20 |
| C/ 50% | MODINE MANUFACTURING COMPANY | RACINE | WI | 24 | 1,678,807 | 787,075 |
| C/ 50% | MOLDED FIBER GLASS COMPANIES | ASHTABULA | OH | 4 | 663,088 | 88,766 |
| C/ 50% | MON-ECO IND. INC. | EAST BRUNSWICK | NJ | 1 | 1,500 | 2,005 |
| C/* | MONARCH LITHO INC | MONTEBELLO | CA | 1 | 13,500 | 0 |
| C/ 23% | MONSANTO COMPANY | SAINT LOUIS | MO | 23 | 5,270,970 | 2,751,459 |
| C/ 50% | MONTGOMERY ELEVATOR COMPANY | MAKINE | IL | 1 | 14,327 | 0 |
| C/ 42% | MOORE BUSINESS FORMS (DEL) | LAKE FOREST | IL | 6 | 812,961 | 114,827 |
| C/ 95% | MOORE PRODUCTS CO | SPRING HOUSE | PA | 1 | 18,100 | 26,105 |
| C/ 13% | MORGAN STANLEY LEV EQ FUND II | NEW YORK | NY | 48 | 4,099,010 | 2,641,213 |
| C/* | MORGANITE NORTH AMERICA INC | DUNN | NC | 8 | 83,790 | 46,170 |
| C/ 20% | MORTON INTERNATIONAL INC | CHICAGO | IL | 23 | 861,979 | 670,581 |
| C/ 50% | MOTOROLA INC | SCHAUMBURG | IL | 19 | 1,130,023 | 461,311 |
| C/ 100% | NABORS MFG. CORP. | CHATTANOOGA | TN | 1 | 25,086 | 28,275 |
| C/* | NACO INC | LISLE | IL | 6 | 250,920 | 42,834 |
| C/ 50% | NALCO CHEMICAL COMPANY | NAPERVILLE | IL | 9 | 78,123 | 59,657 |
| C/ 78% | NAMES FINISHING AND ASSEMBLY | NEWARK | NJ | 1 | 49,776 | 0 |
| C/ 60% | NAPCO INC | VALENCIA | PA | 1 | 33,980 | 42,030 |
| C/* | NASHUA CORP. | NASHUA | NH | 7 | 3,930,142 | 1,773,854 |
| C/ 50% | NATIONAL BANNER COMPANY INC | DALLAS | TX | 1 | 1,500 | 0 |
| C/ 60% | NATIONAL CHROMIUM CO. INC. | PUTNAM | CT | 1 | 23,327 | 13,790 |
| C/ 90% | NATIONAL COMPUTER SYSTEMS | MINNEAPOLIS | MN | 1 | 21,308 | 0 |
| C/* | NATIONAL ELECTRICAL CARBON | GREENVILLE | SC | 1 | 81,991 | 0 |
| C/* | NATIONAL FORGE COMPANY | IRVINE | PA | 2 | 163,800 | 35,090 |
| C/* | NATIONAL INTERCHEN CORP | CHICAGO | IL | 1 | 500 | 0 |
| C/ 26% | NATIONAL MANUFACTURING CO | STERLING | IL | 2 | 10,295 | 0 |
| C/* | NATIONAL METALS INC | LEEDS | AL | 1 | 628 | 510 |
| C/ 75% | NATIONAL TUBE HOLDING CO DEL | BIRMINGHAM | AL | 2 | 190,558 | 92,059 |
| C/ 90% | NAUGATUCK GLASS COMPANY | NAUGATUCK | CT | 1 | 33,750 | 0 |
| C/* | NAVISTAR INTERNATIONAL CORP | CHICAGO | IL | 5 | 214,400 | 556,384 |
| C/ 95% | NELSON INDUSTRIES INC | STOUGHTON | WI | 4 | 13,362 | 23,477 |
| C/ 100% | NELSON IRRIGATION CORPORATION | WALLA WALLA | WA | 1 | 15,000 | 330 |
| C/ 32% | NEO-WOOD PRODUCTS COMPANY | TIFFIN | OH | 2 | 96,231 | 20,170 |
| C/ 35% | NEW DIMENSION PLATING INC. | HUTCHINSON | MN | 1 | 23,200 | 15,700 |
| C/ 44% | NEW SABINA INDUSTRIES INC | SABINA | OH | 1 | 22,354 | 16,672 |
| C/ 50% | NEW STREET CAPITAL CORPORATION | NEW YORK | NY | 1 | 53,657 | 3,555 |
| C/* | NEW UNITED MOTOR MANUFACTURING | FREMONT | CA | 1 | 362,727 | 322,988 |
| C/ 45% | NEWELL CO | FREEMONT | IL | 11 | 561,583 | 396,894 |
| C/ 50% | NEWPORT ADHESIVES & COMPOSITES | IRVINE | CA | 1 | 139,000 | 52,000 |
| C/ 99% | NGK METALS CORP. | READING | PA | 2 | 49,330 | 41,811 |
| C/ 50% | NIAGARA NATIONAL CORP | ATLANTA | GA | 1 | 1,000 | 1,520 |
| C/* | NICKELL MOULDING COMPANY INC | ELKHART | IN | 1 | 0 | 0 |
| C/ 47% | NITTO DENKO AMERICA INC | SAN JOSE | CA | 3 | 3,912,177 | 601,523 |
| C/* | NMB USA INC | CHATSWORTH | CA | 7 | 359,843 | 164,054 |
| C/ 6 | NORANDAL USA | BRENTWOOD | TN | 11 | 951,580 | 791,277 |
| C/ 79% | NORDSON CORPORATION | WESTLAKE | OH | 1 | 10,650 | 0 |
| C/* | NORLAN DIVERSIFIED INDUSTRIES | SAINT CLOUD | MN | 1 | 0 | 0 |
| C/ 70% | NORTH AMERICAN INVESTMENT PROP | HAWTHORNE | NY | 2 | 37,316 | 12,210 |
| C/ 67% | NORTH AMERICAN PAINT CORP | WANAMASSA | NJ | 1 | 750 | 18,372 |
| C/ 50% | NORTH AMERICAN PHILIPS CORP | NEW YORK | NY | 38 | 1,792,655 | 1,355,799 |
| C/* | NORTH AMERICAN PLASTICS INC. | ABERDEEN | MS | 2 | 4 | 10 |
| C/ 90% | NORTH COAST CONTAINER CORP | CLEVELAND | OH | 1 | 11,000 | 18,891 |
| C/ 99% | NORTHERN PRECISION CASTING CO | LAKE GENEVA | WI | 1 | 18,583 | 104 |
| C/ 50% | NORTHERN TELECOM | NASHVILLE | TN | 3 | 31,467 | 0 |
| C/* | NORTHLAND STAINLESS INC | TOMAHAWK | WI | 1 | 16,719 | 12,096 |
| C/ 38% | NORTHROP CORPORATION | LOS ANGELES | CA | 18 | 2,203,043 | 909,120 |
| C/ 63% | NORTON COMPANY | WORCESTER | MA | 10 | 278,187 | 108,159 |
| C/ 95% | NSK CORPORATION | ANN ARBOR | MI | 2 | 270,427 | 745,660 |
| C/* | NUPLA CORPORATION | SUN VALLEY | CA | 1 | 13,867 | 0 |
| C/* | NUTONE INC | CINCINNATI | OH | 3 | 177,240 | 32,444 |
| C/* | O'SULLIVAN CORPORATION | WINCHESTER | VA | 5 | 2,073,663 | 2,457,947 |
| C/ 16% | OAK INDUSTRIES INC | WALTHAM | MA | 5 | 318,546 | 328,087 |
| C/ 85% | OSBERG INDUSTRIES INC | FREEMONT | PA | 2 | 14,515 | 9,580 |
| C/ 19% | OCCIDENTAL PETROLEUM CORP | LOS ANGELES | CA | 30 | 11,276,803 | 11,084,744 |
| C/* | ODYSSEY PARTNERS LP | NEW YORK | NY | 2 | 897,200 | 123,459 |
| C/ 99% | OECO CORPORATION | MILWAUKIE | OR | 1 | 13,830 | 16,950 |
| C/ 50% | OHIO ART CO. | BRYAN | OH | 1 | 68,600 | 16,800 |
| C/ 90% | ONLINE CORPORATION | GARDENA | CA | 1 | 84,500 | 0 |

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|---|--------------------------------|--------------------------|-------------------|---|---|-----------|
| C/*** | OKLAHOMA FIXTURE COMPANY | TULSA | OK | 2 | 190,600 | 176,654 |
| C/ 70% | OLIN CORPORATION | STAMFORD | CT | 24 | 2,040,150 | 672,536 |
| C/ 52% | OPTEK TECHNOLOGY INC | CARROLLTON | TX | 1 | 1,482 | 0 |
| C/ 41% | OPTICAL COATING LAB. INC. | SANTA ROSA | CA | 1 | 26,440 | 5,005 |
| C/** | ORCON CORPORATION | UNION CITY | CA | 1 | 159,500 | 100,171 |
| C/* | OREGON SAND BLASTING & COATING | TUALATIN | OR | 1 | 42,045 | 30,611 |
| C/ 12% | OREGON STEEL MILLS INC | PORTLAND | OR | 1 | 247,500 | 227,480 |
| C/ 50% | OSG TAP AND DIE INC | GLENDALE HEIGHTS | IL | 1 | 500 | 1,800 |
| C/ 50% | OWENS-CORNING FIBERGLAS CORP | TOLEDO | OH | 23 | 1,348,458 | 152,431 |
| C/*** | OWENS-ILLINOIS INC | TOLEDO | OH | 30 | 1,917,329 | 577,087 |
| C/ 3 | P C R GROUP INC | JACKSONVILLE | FL | 2 | 16,250 | 21,870 |
| C/ 75% | PAC FOUNDRIES | PORT HUENEME | CA | 1 | 16,950 | 19,775 |
| C/** | PACE INDUSTRIES INC | NEW YORK | NY | 9 | 1,237,886 | 171,401 |
| C/** | PACIFIC ALLOY CASTINGS | SOUTH GATE | CA | 1 | 1,500 | 540 |
| C/ 31% | PALL CORP. | GLEN COVE | NY | 6 | 487,903 | 315,158 |
| C/ 90% | PANEL PROCESSING INC | ALPENA | MI | 5 | 738,989 | 18,346 |
| C/** | PAPERBOARD INDUSTRIES CORP | TORONTO, ONTARIO, CANADA | | 2 | 38,512 | 23,456 |
| C/*** | PAR PHARMACEUTICAL INC | SPRING VALLEY | NY | 1 | 194,099 | 21,807 |
| C/ 50% | PARAMOUNT PACKAGING CORP | CHALFONT | PA | 1 | 83,600 | 0 |
| C/ 50% | PARKER HANFIFIN CORPORATION | CLEVELAND | OH | 53 | 1,947,410 | 584,322 |
| C/*** | PARKER PEN USA LTD | JAMESVILLE | WI | 1 | 138,042 | 100,230 |
| C/* | PARODI INDUSTRIES INCORPORATED | SCRANTON | PA | 1 | 23,140 | 0 |
| C/* | PARSONS & WHITTEMORE ENTERP | RYE | NY | 1 | 184,458 | 67,555 |
| C/*** | PASS & SEYMOUR INC | SYRACUSE | NY | 4 | 74,100 | 45,872 |
| C/* | PAUL FLAGG INC | SHEBOYGAN | WI | 2 | 94,700 | 4,800 |
| C/ 80% | PAULSEN WIRE ROPE CORP. | SUNBURY | PA | 1 | 15,000 | 17,000 |
| C/ 50% | PB&H HOLDING CORP | SYRACUSE | NY | 1 | 10,242 | 12,155 |
| C/*** | PCL GROUP INC | CINCINNATI | OH | 1 | 739,772 | 775,465 |
| C/ 75% | PDI INC | CIRCLE PINES | MN | 1 | 4,000 | 3,317 |
| C/ 100% | PEACE INDUSTRIES LIMITED | ROLLING MEADOWS | IL | 1 | 26,920 | 61,430 |
| C/*** | PECHINEY CORPORATION | GREENWICH | CT | 18 | 537,199 | 181,415 |
| C/ 69% | PEERLESS OF AMERICA INC. | CHICAGO | IL | 2 | 260,431 | 241,610 |
| C/** | PEERLESS PRODUCTS INC | SHALMEE MISSION | KS | 1 | 0 | 52,367 |
| C/ 50% | PENN COLUMBIA CORP | NEW YORK | NY | 1 | 64,750 | 12,055 |
| C/ 100% | PENN ENGINEERING & MFG | DANBORO | PA | 1 | 107,000 | 265,910 |
| C/*** | PENN FISHING TACKLE MFG CO | PHILADELPHIA | PA | 2 | 55,403 | 42,373 |
| C/ 30% | PENNZOIL COMPANY | HOUSTON | TX | 9 | 2,275,743 | 1,567,900 |
| C/* | PERKIN-ELMER CORPORATION | NORWALK | CT | 2 | 82,409 | 26,000 |
| C/ 95% | PERRIGO COMPANY | ALLEGAN | MI | 2 | 638,235 | 60,000 |
| C/*** | PERRY & DERRICK CO | CINCINNATI | OH | 1 | 22,740 | 13,110 |
| C/ 99% | PERSTORP XYTEC | TACOMA | WA | 1 | 28,930 | 0 |
| C/*** | PETRO CHEMICAL PRODUCTS INC | JACKSONVILLE | FL | 1 | 10,597 | 9,483 |
| C/ 2 | PETROLITE CORPORATION | SAINT LOUIS | MO | 10 | 2,310,434 | 829,690 |
| C/ 100% | PFISTER CHEMICAL INC | RIDGEFIELD | NJ | 1 | 461,540 | 0 |
| C/ 50% | PFIZER INC | NEW YORK | NY | 10 | 2,492,314 | 2,494,455 |
| C/ 100% | PHB INC | FAIRVIEW | PA | 1 | 22,292 | 2,335 |
| C/ 50% | PHIFER WIRE PRODUCTS INC | TUSCALOOSA | AL | 1 | 24,992 | 72,028 |
| C/** | PHILIP MORRIS COMPANIES INC | NEW YORK | NY | 14 | 1,689,929 | 383,549 |
| C/ 50% | PHILLIPS PETROLEUM COMPANY | BARTLESVILLE | OK | 14 | 3,307,338 | 2,470,973 |
| C/*** | PHILLIPS PLASTICS CORPORATION | PHILLIPS | WI | 2 | 62,750 | 55,000 |
| C/ 50% | PHOENIX HEAT TREATING INC | PHOENIX | AZ | 1 | 8,100 | 0 |
| C/ 92% | PHOTOCIRCUITS CORPORATION | GLEN COVE | NY | 2 | 479,442 | 684,279 |
| C/* | PINES TRAILER LTD PARTNERSHIP | CHICAGO | IL | 2 | 42,180 | 46,119 |
| C/*** | PIONEER CHLOR ALKALI COMPANY | HOUSTON | TX | 1 | 24,139 | 15,110 |
| C/ 50% | PIRELLI ARMSTRONG TIRE CORP | NEW HAVEN | CT | 3 | 235,162 | 0 |
| C/ 53% | PITNEY BOWES INC | STAMFORD | CT | 5 | 546,761 | 128,025 |
| C/*** | PLAS-STEEL PRODUCTS INC | WALKERTON | IN | 2 | 47,568 | 24,119 |
| C/ 70% | PLASTI-FAB INC | TUALATIN | OR | 1 | 10,534 | 0 |
| C/* | PLASTIC PACKAGING CORP | WEST SPRINGFIELD | MA | 1 | 0 | 35,480 |
| C/ 6 | PLASTICOLORS INC | ASHTABULA | OH | 2 | 2,773 | 1,541 |
| C/* | PLASTICS ENGINEERING COMPANY | SHEBOYGAN | WI | 1 | 3,685 | 764 |
| C/ 95% | PLASTOMER CORPORATION | LIVONIA | MI | 1 | 38,650 | 9,900 |
| C/** | PLUMMER PRECISION OPTICS INC. | PENNSBURG | PA | 1 | 12,708 | 0 |
| C/* | PLYMOUTH RUBBER COMPANY INC | CANTON | MA | 1 | 52,300 | 265,000 |
| C/* | PLYMOUTH TUBE COMPANY | WARRENVILLE | IL | 6 | 314,579 | 254,918 |
| C/ 34% | PMF IND. INC. | WILLIAMSPORT | PA | 1 | 33,679 | 16,715 |
| C/ 26% | POLARIS INDUSTRIES PARTNERS LP | MINNEAPOLIS | MN | 2 | 65,814 | 250 |
| C/* | POLAROID CORPORATION | CAMBRIDGE | MA | 6 | 1,786,650 | 854,895 |
| C/ 50% | POLY-PAK IND. INC. | MELVILLE | NY | 1 | 574,350 | 581,854 |
| C/** | POLYSCIENCES INC | WARRINGTON | PA | 1 | 12,250 | 0 |

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|---|--------------------------------|------------------|-------------------|---|---|-----------|
| C/* | PCM INC. | RUSSELLVILLE | AR | 1 | 970 | 0 |
| C/ 60% | POTLATCH CORPORATION | SAN FRANCISCO | CA | 4 | 948,700 | 357,555 |
| C/ 50% | POWELL INDUSTRIES INC | HOUSTON | TX | 1 | 45,120 | 0 |
| C/ 50% | PPG INDUSTRIES INC | PITTSBURGH | PA | 35 | 15,056,710 | 3,293,002 |
| C/ 50% | PG CORPORATION | VALLEY FORGE | PA | 4 | 1,000 | 1,014 |
| C/* | PRAEGITZER INDUSTRIES INC | DALLAS | OR | 1 | 0 | 0 |
| C/ 29% | PRECISION CASTPARTS CORP | PORTLAND | OR | 10 | 584,861 | 374,272 |
| C/ 100% | PRECISION FABRICS GROUP INC | GREENSBORO | NC | 1 | 1,387 | 1,400 |
| C/*** | PRECISION MACHINING INC | PENSACOLA | FL | 1 | 99,940 | 0 |
| C/*** | PRECISION PLATING COMPANY INC | CHICAGO | IL | 1 | 0 | 12,483 |
| C/*** | PRECISION PLATING INC. | MINNEAPOLIS | MN | 1 | 27,000 | 10,155 |
| C/*** | PRECISION PRODUCTS GROUP INC | ROCKFORD | IL | 3 | 285,721 | 255,295 |
| C/* | PREFERRED RUBBER COMPOUNDING | BARBERTON | OH | 1 | 0 | 0 |
| C/*** | PREMARK INTERNATIONAL INC | DEERFIELD | IL | 15 | 694,824 | 208,219 |
| C/ 27% | PREMIX INC | ASHTABULA | OH | 4 | 242,532 | 190,941 |
| C/ 50% | PRESERVATIVE PAINT CO | SEATTLE | WA | 1 | 839 | 2,626 |
| C/ 100% | PRINCETON PACKAGING HOLDINGS | DALLAS | TX | 2 | 25,528 | 28,600 |
| C/ 65% | PRINTED CIRCUIT CORP | WOBURN | MA | 1 | 520,500 | 61,530 |
| C/ 50% | PROCESS ENGINEERING CO INC | JACKSON | MS | 1 | 2,750 | 0 |
| C/* | PROCTER & GAMBLE COMPANY | CINCINNATI | OH | 17 | 437,679 | 622,262 |
| C/ 60% | PRODUCTION PAINT FINISHERS | BRADFORD | OH | 1 | 47,261 | 15,673 |
| C/ 95% | PROGRESS CASTING GROUP INC | PLYMOUTH | MN | 1 | 17,412 | 47,470 |
| C/ 50% | PROSPECT PURCHASING CO INC | NORTH BRUNSWICK | NJ | 1 | 61,450 | 54,835 |
| C/*** | PROTECTIVE COATINGS INC | KENT | WA | 1 | 74,975 | 67,264 |
| C/ 70% | PROVIDENCE METALLIZING CO INC | PAWTUCKET | RI | 1 | 321,750 | 47,598 |
| C/ 33% | PRUETT-SCHAFFER CHEMICAL CO | PITTSBURGH | PA | 1 | 3,000 | 1,401 |
| C/ 50% | PURETHANE INC | WEST BRANCH | IA | 1 | 124,725 | 116,900 |
| C/ 6 | QUAKER STATE CORPORATION | OIL CITY | PA | 2 | 400,386 | 362,580 |
| C/ 50% | QUALITY COATINGS INC | CHANDLER | IN | 1 | 3,189 | 13,225 |
| C/ 90% | QUALITY METAL PRODS. INC. | LAKEWOOD | CO | 1 | 24,948 | 0 |
| C/*** | QUALITY ROLLING & DEBURRING CO | THOMASTON | CT | 1 | 218,391 | 250,650 |
| C/* | QUALITY SPRAYING STENCILING CO | PROVIDENCE | RI | 1 | 0 | 0 |
| C/ 50% | QUANTUM CHEMICAL CORPORATION | ISELIN | NJ | 8 | 391,086 | 493,420 |
| C/ 90% | QUARTEX INC | LAKE GENEVA | VI | 1 | 250 | 0 |
| C/ 50% | R G F ENTERPRISES INC | ANAHEIM | CA | 1 | 750 | 0 |
| C/ 48% | R L C INDUSTRIES CO | ROSEBURG | OR | 1 | 617,800 | 246,100 |
| C/*** | R P ADAMS COMPANY INC | BUFFALO | NY | 1 | 15 | 16 |
| C/ 45% | R. H. SHEPPARD COMPANY INC | HANOVER | PA | 2 | 28,131 | 11,310 |
| C/*** | RAINBOW COATINGS CORPORATION | SPRINGFIELD | MO | 2 | 0 | 5,150 |
| C/** | RAMPART INDUSTRIES INC | DETROIT | MI | 1 | 57 | 250 |
| C/ 52% | RANBAR TECHNOLOGY INC | GLENSHAW | PA | 1 | 26,900 | 5,520 |
| C/ 90% | RAPID DIE AND MOLDING CO INC | SCHILLER PARK | IL | 1 | 62,700 | 13,890 |
| C/* | RAVEN INDUSTRIES INC | SIOUX FALLS | SD | 2 | 0 | 19,500 |
| C/ 70% | RAYMOND CORPORATION | GREENE | NY | 1 | 52,400 | 29,500 |
| C/ 18% | RAYOVAC CORPORATION | MADISON | WI | 4 | 9,106 | 336 |
| C/ 50% | RAYTHEON COMPANY | LEXINGTON | MA | 31 | 4,160,620 | 1,360,658 |
| C/** | RAYVEN INC | SAINT PAUL | MN | 1 | 0 | 34,432 |
| C/* | READING TUBE CORP. | READING | PA | 1 | 38,750 | 0 |
| C/ 8 | RED DOT CORPORATION | SEATTLE | WA | 1 | 77,352 | 30,000 |
| C/ 47% | RED SPOT PAINT & VARNISH CO | EVANSVILLE | IN | 2 | 250,019 | 78,192 |
| C/ 8 | RED WING SHOE | RED WING | MN | 2 | 235,122 | 124,106 |
| C/ 50% | REFRACTORY SALES & SERVICE CO. | BESSEMER | AL | 1 | 1,250 | 1,250 |
| C/*** | REHRIG INTERNATIONAL INC | RICHMOND | VA | 1 | 13,800 | 1,270 |
| C/ 2 | REILLY PLATING CO | NANTICOKE | PA | 1 | 11,000 | 750 |
| C/ 55% | REINZ WISCONSIN GASKET | MILWAUKEE | WI | 1 | 25,218 | 13,217 |
| C/** | RELIANCE FINISHING CO | GRAND RAPIDS | MI | 1 | 84,000 | 24,410 |
| C/ 11% | RENCO GROUP INC | NEW YORK | NY | 4 | 564,000 | 132,489 |
| C/ 3 | REPUBLIC ENGINEERED STEELS | MASSILLON | OH | 8 | 1,331,716 | 201,881 |
| C/*** | REPUBLIC STORAGE SYSTEMS CO | CANTON | OH | 1 | 200,352 | 176,012 |
| C/ 50% | RESILITE SPORTS PRODUCTS INC | SUNBURY | PA | 1 | 1,111,717 | 1,075,021 |
| C/*** | REVCO SCIENTIFIC INC | ASHEVILLE | NC | 1 | 8,550 | 0 |
| C/*** | REVCOR INC | CARPENTERSVILLE | IL | 1 | 21,120 | 42,240 |
| C/ 50% | REVLIS CORPORATION | AKRON | OH | 1 | 1,500 | 2,160 |
| C/ 50% | REXENE CORPORATION | DALLAS | TX | 1 | 347,520 | 132,057 |
| C/ 38% | REYNOLDS METALS COMPANY | RICHMOND | VA | 30 | 11,326,594 | 3,201,688 |
| C/ 50% | RHONE-POULENC INC | PRINCETON | NJ | 21 | 3,128,010 | 1,758,116 |
| C/ 33% | RICO COATINGS INC | TOCCOA | GA | 1 | 70,007 | 48,816 |
| C/ 50% | RILEY INC | BURLINGTON | IA | 1 | 1,500 | 6,250 |
| C/** | RIVERSIDE INTERNATIONAL INC | ROCHESTER HILLS | MI | 2 | 25,258 | 0 |
| C/ 50% | RIVERMOOD, INTERNATIONAL USA | ATLANTA | GA | 6 | 1,499,069 | 423,887 |

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|---|--------------------------------|------------------|-------------------|---|---|-----------|
| C/ 12% | RJR NABISCO HOLDINGS CORP | NEW YORK | NY | 16 | 2,921,595 | 1,277,653 |
| C/*** | ROANOKE ELECTRIC STEEL CORP. | ROANOKE | VA | 2 | 20,048 | 522 |
| C/ 47% | ROBERT BOSCH CORPORATION | BROADVIEW | IL | 4 | 252,502 | 106,741 |
| C/* | ROBERT WEED PLYWOOD CORP | BRISTOL | IN | 1 | 0 | 35,400 |
| C/* | ROBINSON RUBBER PRODUCTS CO | MINNEAPOLIS | MN | 1 | 18,565 | 0 |
| C/ 100% | ROCK-OLA MANUFACTURING CORP | CHICAGO | IL | 1 | 32,200 | 0 |
| C/ 50% | ROCKWELL INTERNATIONAL CORP | SEAL BEACH | CA | 33 | 3,972,802 | 1,483,790 |
| C/ 95% | RODEL INC | NEWARK | DE | 1 | 228,000 | 22,298 |
| C/*** | ROGERS CORPORATION | ROGERS | CT | 5 | 243,173 | 148,829 |
| C/ 50% | ROHM AND HAAS COMPANY | PHILADELPHIA | PA | 9 | 4,782,154 | 2,355,988 |
| C/ 25% | ROHR INDUSTRIES INC | CHULA VISTA | CA | 7 | 1,849,382 | 1,136,446 |
| C/* | ROLSCREEN COMPANY | PELLA | IA | 1 | 896,300 | 309,700 |
| C/** | ROMAC ELECTRONICS INC | PLAINVIEW | NY | 1 | 7,584 | 0 |
| C/** | ROME GROUP INC | ROME | NY | 1 | 18,500 | 10,781 |
| C/ 50% | ROMO INC. | DE PERE | WI | 1 | 30,400 | 0 |
| C/* | RONKEN INDUSTRIES INC | SPRING VALLEY | IL | 1 | 58,792 | 27,718 |
| C/ 50% | ROSS ENGINEERING CO INC | LEOLA | PA | 2 | 27,650 | 28,523 |
| C/*** | RSR HOLDING CORP | DALLAS | TX | 7 | 879,523 | 1,202,436 |
| C/ 32% | RTZ AMERICA INC | SALT LAKE CITY | UT | 1 | 2,405,400 | 2,362,810 |
| C/ 75% | RUBICON INC. | GEISMAR | LA | 1 | 249,279 | 147,944 |
| C/ 15% | RUDD COMPANY INC | SEATTLE | WA | 1 | 32,400 | 22,030 |
| C/*** | RUDDICK CORPORATION | CHARLOTTE | NC | 2 | 160,000 | 145,400 |
| C/ 50% | RUSSELL CORP. | ALEXANDER CITY | AL | 2 | 346,015 | 299,558 |
| C/* | S & C ELECTRIC COMPANY | CHICAGO | IL | 1 | 58,013 | 53,735 |
| C/ 50% | S C JOHNSON & SON INC | RACINE | WI | 1 | 59,200 | 120,715 |
| C/* | S K W ALLOYS INC | NIAGARA FALLS | NY | 6 | 2,486,049 | 1,920 |
| C/ 33% | S M R TECHNOLOGIES INC | SHARON CENTER | OH | 1 | 60,020 | 66,400 |
| C/* | S. K. WILLIAMS CO | MILWAUKEE | WI | 1 | 87,050 | 1,764 |
| C/ 90% | S. S. STEINER INC | NEW YORK | NY | 1 | 261,000 | 27,468 |
| C/*** | SADOLIN PAINT PRODUCTS INC | WALKERTOWN | NC | 1 | 211,800 | 37,950 |
| C/ 50% | SALZ LEATHERS INC | SANTA CRUZ | CA | 1 | 23,532 | 18,851 |
| C/ 100% | SAMUEL WHITTAR INC | DETROIT | MI | 1 | 32,920 | 0 |
| C/ 50% | SANDEN OF AMERICA INC | PINEDALE | CA | 1 | 16,894 | 0 |
| C/ 50% | SANDOZ CORPORATION | NEW YORK | NY | 18 | 572,915 | 86,730 |
| C/*** | SANDSTROM PRODUCTS COMPANY | PORT BYRON | IL | 1 | 6,100 | 4,066 |
| C/ 33% | SANTEE PRINT WORKS | SUMTER | SC | 1 | 106,650 | 60,750 |
| C/ 1 | SARA LEE CORPORATION | CHICAGO | IL | 6 | 148,147 | 61,736 |
| C/* | SARTOMER COMPANY INC | EXTON | PA | 1 | 138,161 | 37,045 |
| C/ 50% | SARTORIUS NORTH AMERICA INC | BOHEMIA | NY | 1 | 377,320 | 116,658 |
| C/** | SCAPA GROUP INC | RALEIGH | NC | 3 | 0 | 52,200 |
| C/*** | SCHENECTADY CHEMICAL INC | SCHENECTADY | NY | 2 | 2,337,974 | 370,000 |
| C/ 65% | SCHERING-PLOUGH CORPORATION | MAOISON | NJ | 7 | 3,181,202 | 1,505,960 |
| C/ 55% | SCHINDLER ENTERPRISES INC | BERWYN | PA | 3 | 167,428 | 90,520 |
| C/* | SCHNELLER INC | KENT | OH | 1 | 250 | 18,300 |
| C/ 50% | SCHROCK'S WOODCRAFTS INC. | WALNUT CREEK | OH | 1 | 25,427 | 11,830 |
| C/*** | SCHULLER CORPORATION | DENVER | CO | 14 | 262,240 | 82,401 |
| C/ 50% | SCOTT PAPER COMPANY | PHILADELPHIA | PA | 8 | 2,270,627 | 1,308,288 |
| C/* | SCOTTS LIQUID GOLD INC | DENVER | CO | 1 | 1,500 | 0 |
| C/ 50% | SEABOARD METAL FINISHING CO | WEST HAVEN | CT | 1 | 3,928 | 0 |
| C/ 60% | SEAHARD INTL. INC. | CLEAR BROOK | VA | 1 | 131,000 | 116,000 |
| C/*** | SEELY PINE FURNITURE INC. | BERKELEY SPRINGS | WV | 1 | 0 | 31,946 |
| C/ 100% | SEM AMERICA INC. | VANCOUVER | WA | 1 | 22,135 | 34,329 |
| C/** | SEM PRODUCTS INC | BELMONT | CA | 1 | 1,570 | 6,550 |
| C/ 54% | SENCO PRODUCTS, INC. | CINCINNATI | OH | 1 | 1,393,426 | 394,360 |
| C/ 50% | SENECA FOODS CORPORATION | PITTSFORD | NY | 1 | 79,677 | 11,853 |
| C/*** | SENTRY PAINT TECHNOLOGIES | DARBY | PA | 2 | 111,000 | 34,232 |
| C/ 73% | SEQUEL INC | SANTA CLARA | CA | 1 | 11,750 | 3,500 |
| C/*** | SEQUOIA PACIFIC SYSTEMS CORP | EXETER | CA | 1 | 60,300 | 45,545 |
| C/ 50% | SHAFFER COMMERCIAL SEATING INC | DENVER | CO | 1 | 59,524 | 44,811 |
| C/*** | SHELDANL INC | NORTHFIELD | MN | 1 | 934,400 | 218,790 |
| C/ 55% | SHELL PETROLEUM INC | HOUSTON | TX | 19 | 5,911,375 | 3,880,204 |
| C/ 72% | SHEPHERD CHEMICAL CO. | CINCINNATI | OH | 1 | 25,447 | 2,058 |
| C/ 50% | SHERWIN-WILLIAMS COMPANY | CLEVELAND | OH | 16 | 2,615,362 | 1,329,234 |
| C/ 50% | SHOP VAC CORPORATION | WILLIAMSPORT | PA | 2 | 56,129 | 22,123 |
| C/ 58% | SHUFORD INDUSTRIES INC | HICKORY | NC | 4 | 2,825,499 | 1,277,708 |
| C/*** | SIBV/MS HOLDINGS INC | SAINT LOUIS | MO | 15 | 1,810,943 | 705,577 |
| C/ 3 | SIEBE INDUSTRIES INC | RICHMOND | VA | 23 | 1,406,875 | 641,960 |
| C/* | SIGNA CORPORATION | SCHALMURG | IL | 1 | 16,200 | 0 |
| C/ 45% | SILVER FURNITURE CO INC | KNOXVILLE | TN | 1 | 82,484 | 66,180 |
| C/ 50% | SIMPSON INVESTMENT COMPANY | SEATTLE | WA | 4 | 1,563,490 | 880,401 |

| Commitment Status (C,D,U,N,Z /X 95) | Parent Company Name | Location City | Location State | Number of Facilities Owned by Parent | TRI Releases & Transfers of 33/50 Chemicals (1988 Pounds) (1992 Pounds) |
|---|--------------------------------|------------------|-------------------|---|---|
| C/*** | SKF USA INC | KING OF PRUSSIA | PA | 16 | 653,637 377,197 |
| C/*** | SKILLS INC. | SEATTLE | WA | 1 | 16,250 16,250 |
| C/*** | SKYLINE ELECTRIC & MFG CO | SEATTLE | WA | 1 | 0 0 |
| C/* | SKYLINE PRODUCTS | HARRISBURG | OR | 1 | 0 0 |
| C/ 50% | SLATER STEELS CORPORATION | FORT WAYNE | IN | 1 | 560,500 31,850 |
| C/ 38% | SLOCUM ADHESIVES CORP | LYNCHBURG | VA | 1 | 500 1,005 |
| C/ 100% | SLYMAN INDUSTRIES INC | MEDINA | OH | 1 | 3,858 30,500 |
| C/ 90% | SMITH EVERETT INVESTMENT CO | MILWAUKEE | WI | 10 | 3,031,744 248,610 |
| C/* | SMITH SYSTEM MANUFACTURING CO | SAINT PAUL | MN | 1 | 54,000 1,998 |
| C/ 81% | SMITHKLINE BEECHAM AMERICAS | PHILADELPHIA | PA | 9 | 4,251,142 566,014 |
| C/ 50% | SNYDERGENERAL CORPORATION | DALLAS | TX | 6 | 586,581 441,849 |
| C/* | SOLVAY AMERICA INC | HOUSTON | TX | 3 | 9,800 170,812 |
| C/* | SOMMER METALCRAFT CORP | CRAWFORDSVILLE | IN | 1 | 814 1,500 |
| C/ 2 | SONOCO PRODUCTS COMPANY | HARTSVILLE | SC | 12 | 478,536 502,179 |
| C/ 51% | SONY USA INC | NEW YORK | NY | 8 | 1,384,310 1,233,089 |
| C/*** | SOUTHLINE METAL PRODUCTS CO | HOUSTON | TX | 1 | 179,080 63,105 |
| C/ 50% | SPD TECHNOLOGIES INC | PHILADELPHIA | PA | 1 | 84,671 64,778 |
| C/ 100% | SPECIALTY MATERIALS CORP | PITTSBURGH | PA | 3 | 2,708,854 813,576 |
| C/ 50% | SPECTRULITE CONSORTIUM INC | MADISON | IL | 2 | 80,950 10,616 |
| C/ 3 | SPECTRUM LTD | CARROLLTON | GA | 7 | 191,704 490,208 |
| C/ 100% | SPIROL INTL HOLDG CORP | DANIELSON | CT | 2 | 70,669 0 |
| C/ 75% | SPRAY PRODUCTS CORPORATION | MORRISTOWN | PA | 1 | 15,000 14,150 |
| C/ 13% | SPRAYING SYSTEMS CO | WHEATON | IL | 1 | 428,522 0 |
| C/ 80% | SPRINGS INDUSTRIES INC | FORT HILL | SC | 4 | 185,528 7,909 |
| C/*** | SPUNCAST INC | WATERTOWN | WI | 1 | 0 4 |
| C/ 2 | SPX CORPORATION | MUSKEGON | MI | 13 | 590,143 526,584 |
| C/ 95% | ST MARYS CARBON COMPANY INC | ST MARYS | PA | 2 | 9,750 3,537 |
| C/* | ST. GEORGE CRYSTAL LTD | JEANETTE | PA | 1 | 28,387 760 |
| C/*** | STANDARD CHLORINE CHEMICAL CO | KEARNY | NJ | 1 | 42,429 47,417 |
| C/ 50% | STANDARD INDUSTRIES INC | SAN ANTONIO | TX | 1 | 311,901 20,885 |
| C/ 50% | STANDARD MOTOR PRODUCTS INC | LONG ISLAND CITY | NY | 3 | 237,250 21,000 |
| C/ 50% | STANLEY WORKS | NEW BRITAIN | CT | 26 | 709,578 707,935 |
| C/ 50% | STAR ENTERPRISE | HOUSTON | TX | 5 | 1,950,024 762,482 |
| C/ 50% | STATES INDUSTRIES INC | EUGENE | OR | 1 | 36,940 14,262 |
| C/ 20% | STEELCASE INC | GRAND RAPIDS | MI | 14 | 2,714,263 2,187,718 |
| C/*** | STEPAN COMPANY | NORTHFIELD | IL | 4 | 71,395 47,164 |
| C/ 50% | STEPHENSON & LAWYER INC. | GRAND RAPIDS | MI | 1 | 4,600 6,178 |
| C/ 100% | STERLING CASCKET HARDWARE CO | ABINGDON | VA | 1 | 10,800 0 |
| C/ 65% | STERLING CHEMICALS INC | HOUSTON | TX | 1 | 942,650 277,445 |
| C/ 75% | STERN RUBBER COMPANY | STAPLES | MN | 1 | 20,990 39,410 |
| C/ 50% | STEVENS PLATING WORK INC | BRONX | NY | 1 | 750 0 |
| C/ 22% | STEWART HALL CHEMICAL CORP | MOUNT VERNON | NY | 1 | 1,578 9,768 |
| C/ 8 | STILLWATER INVESTMENT | WESTPORT | CT | 1 | 98,438 0 |
| C/** | STOLPER INDUSTRIES INC | WAUKESHA | WI | 1 | 15,000 0 |
| C/ 100% | STONE CONSTRUCTION EQUIPMENT | HONEOYE | NY | 1 | 13,000 14,000 |
| C/ 35% | STORA HOLDING INC | PARSIPPANY | NJ | 3 | 159,930 53,439 |
| C/* | STORAGE TECHNOLOGY CORPORATION | LOUISVILLE | CO | 3 | 76,801 24,718 |
| C/ 75% | STOREYS TRANSPORT INC | HARRISONBURG | VA | 2 | 981,500 175,320 |
| C/* | SUB ZERO FREEZER COMPANY INC | MADISON | WI | 2 | 118,500 54,250 |
| C/ 25% | SUBA MFG INC | BENICIA | CA | 1 | 10,844 5,322 |
| C/ 16% | SUD-CHENIE NORTH AMERICA DE | LOUISVILLE | KY | 2 | 59,633 99,320 |
| C/* | SUMITOMO METAL USA CORPORATION | NEW YORK | NY | 3 | 582,483 156,453 |
| C/* | SUMMITVILLE TILES INC | SUMMITVILLE | OH | 1 | 0 5 |
| C/ 50% | SUN COMPANY INC | RAONOR | PA | 5 | 1,127,548 3,069,103 |
| C/ 100% | SUN METAL PRODUCTS INC | WARSAW | IN | 1 | 500 0 |
| C/* | SUN SPORTSWEAR INC | SEATTLE | WA | 2 | 0 15,960 |
| C/** | SUNDSTRAND CORPORATION | ROCKFORD | IL | 14 | 1,001,667 503,682 |
| C/ 42% | SUNNEN PRODUCTS COMPANY | SAINT LOUIS | MO | 1 | 61,293 11,521 |
| C/ 25% | SUNSET FIREPLACE FIXTURES | CITY OF INDUSTRY | CA | 1 | 18,200 11,200 |
| C/ 82% | SUPER RADIATOR COILS LTD | MINNEAPOLIS | MN | 2 | 74,159 83,606 |
| C/ 44% | SUPERIOR COACHES | LIMA | OH | 1 | 54,000 52,358 |
| C/ 10% | SUPERIOR GRAPHITE CO | CHICAGO | IL | 1 | 2,754 5,288 |
| C/ 50% | SUPERIOR HOME PRODUCTS | MARYVILLE | IL | 1 | 15,721 16,000 |
| C/*** | SUPERIOR PLATING INC | MINNEAPOLIS | MN | 1 | 115,230 70,834 |
| C/* | SUPERIOR PRINTING INK CO INC | NEW YORK | NY | 1 | 27,200 11,219 |
| C/* | SURE CAST INC | BURNET | TX | 1 | 0 5 |
| C/* | SURFTECH FINISHES COMPANY | KENT | WA | 1 | 0 97,302 |
| C/** | SURTEC INC | NATHAN | CA | 1 | 0 500 |
| C/ 88% | SWANK INC | ATTLEBORO | MA | 1 | 67,931 0 |
| C/ 90% | SWD INC | ADDISON | IL | 1 | 51,000 0 |

| Commitment Status (C,D,U,N,Z / % 95) | Parent Company Name | Location City | Location State | Number of Facilities Owned by Parent | TRI Releases & Transfers of 33/50 Chemicals | |
|--|--------------------------------|------------------|----------------|--------------------------------------|---|---------------|
| | | | | | (1988 Pounds) | (1992 Pounds) |
| C/ 50% | SWVA INC. | HUNTINGTON | WV | 1 | 111,500 | 25,855 |
| C/* | SYBRON ACQUISITION COMPANY | MILWAUKEE | WI | 2 | 24,000 | 17,000 |
| C/ 33% | SYNTEX USA INC | PALO ALTO | CA | 3 | 1,093,051 | 840,514 |
| C/** | T & N INC | ANN ARBOR | MI | 13 | 761,199 | 449,008 |
| C/**** | TALLEY INDUSTRIES INC | PHOENIX | AZ | 9 | 133,323 | 60,480 |
| C/* | TAPEMARK COMPANY | SAINT PAUL | MN | 1 | 750 | 0 |
| C/ 50% | TAWAS PLATING COMPANY | TAWAS CITY | MI | 1 | 6,830 | 3,510 |
| C/* | TAYLOR MADE GOLF COMPANY | CARLSBAD | CA | 1 | 50,985 | 44,730 |
| C/**** | TAYLOR-RAMSEY CORPORATION | LYNCHBURG | VA | 1 | 500 | 395 |
| C/ 50% | TDK FERRITES CORP. | SHAWNEE | OK | 1 | 22,029 | 4,766 |
| C/ 64% | TECH INDUSTRIES INC | WOONSOCKET | RI | 1 | 18,647 | 21,299 |
| C/ 50% | TECHMETALS INC | DAYTON | OH | 1 | 14,000 | 16,365 |
| C/ 28% | TECUMSEH PRODUCTS COMPANY | TECUMSEH | MI | 10 | 823,485 | 92,107 |
| C/ 50% | TEKNI-PLEX INC | BROOKLYN | NY | 1 | 149,750 | 162,420 |
| C/* | TEKTRONIX INC | BEAVERTON | OR | 2 | 88,893 | 7,564 |
| C/** | TELLABS INC | LISLE | IL | 1 | 6,935 | 6 |
| C/ 50% | TEMPLE-INLAND INC | DIBOLL | TX | 15 | 304,544 | 174,266 |
| C/ 75% | TEMPRESS INC | SEATTLE | WA | 1 | 136,475 | 10,334 |
| C/ 8 | TENNECO INC | HOUSTON | TX | 26 | 2,638,151 | 2,195,078 |
| C/**** | TENNESSEE TECHNICAL COATINGS | LEWISBURG | TN | 1 | 5,527 | 1,000 |
| C/* | TEVCO INC | SOUTH PLAINFIELD | NJ | 1 | 0 | 2,605 |
| C/ 49% | TEXACO INC | WHITE PLAINS | NY | 15 | 1,055,541 | 657,805 |
| C/* | TEXAS INDUSTRIES INC | DALLAS | TX | 4 | 872,546 | 29,650 |
| C/ 25% | TEXAS INSTRUMENTS INCORPORATED | DALLAS | TX | 15 | 873,824 | 358,238 |
| C/ 33% | TEXAS OLEFINS COMPANY | HOUSTON | TX | 1 | 202 | 92 |
| C/* | TEXTILE RUBBER & CHEMICAL CO | DALTON | GA | 2 | 7,150 | 4,700 |
| C/**** | TEWOOD INDUSTRIES INC | DUNCANVILLE | TX | 1 | 127,480 | 120,700 |
| C/ 41% | THERMA-TRU CORP | MAUMEE | OH | 2 | 41,463 | 2,700 |
| C/ 40% | THIokol CORPORATION | OGDEN | UT | 12 | 2,603,445 | 1,336,961 |
| C/ 50% | THOMAS INDUSTRIES INC | LOUISVILLE | KY | 12 | 477,579 | 247,776 |
| C/ 50% | THOMAS STEEL STRIP CORP | WARREN | OH | 1 | 71,552 | 23,078 |
| C/ 12% | THOMSON CONSUMER ELECTRONICS | INDIANAPOLIS | IN | 7 | 1,787,901 | 1,472,110 |
| C/* | THOMSON CORPORATION AMERICA | ALEXANDRIA | VA | 1 | 38,927 | 0 |
| C/* | THRIFT BROTHERS LUMBER CO INC | WESTMINSTER | SC | 1 | 0 | 260 |
| C/ 11% | THYSSEN HOLDING CORPORATION | TROY | MI | 7 | 401,510 | 254,427 |
| C/ 30% | TINKEN CO. | CANTON | OH | 15 | 1,322,916 | 353,600 |
| C/** | TISHCON CORP | WESTBURY | NY | 2 | 3,900 | 359,581 |
| C/**** | TIZ'S DOOR SALES INC. | EVERETT | WA | 1 | 26,500 | 41,877 |
| C/ 70% | TOLEDO CLUTCH & BRAKE | TOLEDO | OH | 1 | 7,938 | 17,052 |
| C/ 90% | TOLEDO COKE CORPORATION | TOLEDO | OH | 1 | 64,867 | 32 |
| C/ 83% | TOPFLIGHT CORPORATION | YORK | PA | 1 | 59,640 | 27,338 |
| C/ 50% | TOWER OIL & TECHNOLOGY CO | CHICAGO | IL | 1 | 101 | 255 |
| C/**** | TOYOTA INDUSTRIAL EQP MFG | COLUMBUS | IN | 1 | 0 | 310,706 |
| C/ 100% | TRANSCO PRODUCTS CORP | LINDEN | NJ | 1 | 62,610 | 471 |
| C/ 40% | TRANSFER PRINT FOILS INC | EAST BRUNSWICK | NJ | 1 | 786,795 | 162,880 |
| C/* | TREFILARBED ARKANSAS INC | PINE BLUFF | AR | 1 | 0 | 169,194 |
| C/* | TRI-STATE POLE & PILING INC | LUCEDALE | MS | 1 | 1,000 | 6,175 |
| C/* | TRI-WAY INDUSTRIES INC | KENT | WA | 1 | 0 | 0 |
| C/**** | TRINITY AMERICAN CORP | HIGH POINT | NC | 1 | 464,800 | 573,492 |
| C/ 50% | TRINOVA CORPORATION | MAUMEE | OH | 27 | 1,202,968 | 892,393 |
| C/ 95% | TRIPLEX PLATING INC | MICHIGAN CITY | IN | 1 | 750 | 0 |
| C/ 50% | TUSONIX INC | TUCSON | AZ | 1 | 6,300 | 0 |
| C/**** | TWIN DISC INCORPORATED | RACINE | WI | 2 | 54,090 | 0 |
| C/ 50% | TYLER REFRIGERATION COMPANY | NILES | MI | 3 | 13,792 | 0 |
| C/* | U S RADIATOR CORPORATION | LOS ANGELES | CA | 1 | 0 | 6 |
| C/**** | U S REXCORP INC | SANDWICH | IL | 1 | 0 | 90 |
| C/ 50% | U T I CORPORATION | COLLEGEVILLE | PA | 3 | 663,943 | 779,932 |
| C/* | U-LINE CORPORATION | MILWAUKEE | WI | 1 | 21,600 | 2,640 |
| C/**** | U.S. AIR FORCE | WASHINGTON | DC | 1 | 0 | 849,615 |
| C/ 100% | UARCO INCORPORATED | BARRINGTON | IL | 3 | 20,500 | 7,250 |
| C/ 49% | ULTRA FORGE INCORPORATED | CUYAHOGA FALLS | OH | 1 | 162,700 | 28,391 |
| C/ 50% | UNILEVER UNITED STATES INC | NEW YORK | NY | 28 | 657,574 | 191,082 |
| C/* | UNIMAR INTERNATIONAL INC | SEATTLE | WA | 1 | 0 | 0 |
| C/ 50% | UNION CAMP CORPORATION | WAYNE | NJ | 17 | 2,699,200 | 1,063,303 |
| C/ 55% | UNION CARBIDE CORPORATION | DANBURY | CT | 17 | 1,811,521 | 782,230 |
| C/* | UNION INK CO INC | RIDGEFIELD | NJ | 1 | 0 | 0 |
| C/**** | UNION ZINC INC | CLARKSVILLE | TN | 1 | 209,917 | 0 |
| C/ 20% | UNIROYAL CHEMICAL CORPORATION | MIDDLEBURY | CT | 4 | 2,665,281 | 2,537,831 |
| C/ 89% | UNISYS CORPORATION | BLUE BELL | PA | 8 | 852,443 | 56,904 |
| C/* | UNITED ORGANICS CORP | WILLIAMSTON | NC | 1 | 0 | 0 |

| Commitment Status (C,D,U,N,Z /X 95) | Parent Company Name | Location City | Location State | Number of Facilities Owned by Parent | TRI Releases & Transfers of 33/50 Chemicals (1988 Pounds) (1992 Pounds) | |
|---|-------------------------------|------------------|-------------------|---|---|-----------|
| C/ 60% | UNITED SILK MILLS INC | NEW YORK | NY | 1 | 77,650 | 99,000 |
| C/* | UNITED STATES CAN COMPANY | HINSDALE | IL | 1 | 132,108 | 70,838 |
| C/ 50% | UNITED TECHNOLOGIES CORP | HARTFORD | CT | 62 | 8,748,469 | 3,156,370 |
| C/ 70% | UNIVERSAL COOPERATIVES INC | MINNEAPOLIS | MN | 1 | 17,750 | 0 |
| C/*** | UNIVERSAL PACKAGING CORP | CONCORD | NH | 3 | 37,881 | 11,000 |
| C/ 50% | UNOCAL CORPORATION | LOS ANGELES | CA | 14 | 1,550,328 | 164,274 |
| C/ 50% | UOP | DES PLAINES | IL | 4 | 139,594 | 50,786 |
| C/ 50% | UPJOHN COMPANY | KALAMAZOO | MI | 3 | 7,128,339 | 5,934,259 |
| C/ 100% | UPSHER-SMITH LABORATORIES INC | MINNEAPOLIS | MN | 1 | 94,000 | 200,000 |
| C/ 37% | US CAN CORPORATION | OAK BROOK | IL | 9 | 295,025 | 508,627 |
| C/*** | US DEPARTMENT OF ENERGY | WASHINGTON | DC | 10 | 1,043,301 | 114,421 |
| C/ 56% | USS-POSCO INDUSTRIES | PITTSBURG | CA | 1 | 764,665 | 81,791 |
| C/ 26% | USX CORPORATION | PITTSBURGH | PA | 22 | 9,873,833 | 1,734,113 |
| C/ 22% | UTILITY TRAILER MFG CO | LA PUENTE | CA | 5 | 592,563 | 191,759 |
| C/ 50% | VAIL RUBBER WORKS INC. | SAINT JOSEPH | MI | 1 | 13,500 | 0 |
| C/ 74% | VALLEY CRAFT INC | MINNEAPOLIS | MN | 1 | 75,607 | 52,358 |
| C/* | VALLEY PAINT MANUFACTURING | WOODS CROSS | UT | 1 | 1,500 | 500 |
| C/ 75% | VALLEY PLATING WORKS | LOS ANGELES | CA | 1 | 3,760 | 500 |
| C/*** | VALLEY TECHNOLOGIES INC | VALLEY PARK | MO | 1 | 0 | 0 |
| C/ 50% | VALSPAR CORPORATION | MINNEAPOLIS | MN | 23 | 1,227,935 | 469,300 |
| C/*** | VAN DER HORST USA CORPORATION | TERRELL | TX | 1 | 51,880 | 24,655 |
| C/*** | VANALCO INC | VANCOUVER | WA | 1 | 0 | 15,150 |
| C/ 50% | VANGUARD PAINTS & FINISHES | MARIETTA | OH | 1 | 13,558 | 14,157 |
| C/ 50% | VARIAN ASSOCIATES INC | PALO ALTO | CA | 6 | 383,004 | 131,473 |
| C/ 10% | VEBA CORPORATION | HOUSTON | TX | 8 | 397,570 | 459,029 |
| C/* | VEE ENGINEERING INC | FORT WAYNE | IN | 1 | 86,400 | 0 |
| C/ 54% | VELIE CIRCUITS INC | COSTA MESA | CA | 1 | 1,250 | 500 |
| C/ 50% | VELSICOL CHEMICAL CORPORATION | ROSEMONT | IL | 2 | 844,166 | 331,810 |
| C/ 50% | VERNAY LABORATORIES INC | YELLOW SPRINGS | OH | 5 | 146,775 | 55,290 |
| C/ 80% | VICOM INC | DUNCANVILLE | TX | 1 | 12,000 | 0 |
| C/ 50% | VISTA CHEMICAL COMPANY | HOUSTON | TX | 5 | 553,331 | 130,868 |
| C/ 90% | VISTA RESOURCES INC | NEW YORK | NY | 1 | 519,057 | 103,915 |
| C/ 100% | VIZ MANUFACTURING COMPANY INC | PHILADELPHIA | PA | 1 | 35,618 | 0 |
| C/* | VULCAN INC | FOLEY | AL | 1 | 0 | 55,000 |
| C/ 85% | VULCAN MATERIALS COMPANY | BIRMINGHAM | AL | 2 | 1,741,369 | 869,499 |
| C/* | VYTECH IND. INC. | ANDERSON | SC | 1 | 968,240 | 795,060 |
| C/* | W C BRADLEY CO | COLUMBUS | GA | 1 | 0 | 0 |
| C/ 50% | W R GRACE & CO INC | BOCA RATON | FL | 24 | 997,549 | 571,535 |
| C/ 50% | W W CUSTOM CLAD INC | CANAJOHARIE | NY | 1 | 14,519 | 11,611 |
| C/ 50% | W. J. ROSCOE CO. | AKRON | OH | 2 | 39,750 | 38,015 |
| C/ 50% | WABASH NATL. CORP. | LAFAYETTE | IN | 1 | 171,500 | 127,500 |
| C/* | WACKER CHEMICAL CORP | WILLIAMSBURG | VA | 1 | 9,285 | 0 |
| C/ 50% | WALL CO INCORPORATED | MADISON HEIGHTS | MI | 3 | 1,750 | 7,105 |
| C/ 50% | WALLE CORP. | JEFFERSON | LA | 1 | 5,950 | 0 |
| C/*** | WALTCO ENGINEERING CO | GARDENA | CA | 1 | 80 | 92,056 |
| C/*** | WALTER INDUSTRIES INC | TAMPA | FL | 10 | 1,433,194 | 1,182,840 |
| C/ 30% | WARLICK PAINT CO. INC. | STATESVILLE | NC | 1 | 1,000 | 105,188 |
| C/ 100% | WARN INDUSTRIES INCORPORATED | MILWAUKIE | OR | 1 | 35,012 | 5 |
| C/ 40% | WARNER-LAMBERT COMPANY | MORRIS PLAINS | NJ | 4 | 197,540 | 162,960 |
| C/ 23% | WATTS INDUSTRIES INC | LAWRENCE | MA | 9 | 213,805 | 70,126 |
| C/* | WAYTEC ELECTRONICS CORP | LYNCHBURG | VA | 1 | 5,526 | 0 |
| C/*** | WEIRTON STEEL CORPORATION | WEIRTON | WV | 1 | 1,096,167 | 205,201 |
| C/*** | WEISS-AUG CO INC | EAST HAMOVER | NJ | 1 | 40,795 | 26,400 |
| C/ 90% | WELDON TOOL CO. | CLEVELAND | OH | 1 | 250 | 0 |
| C/ 50% | WELCO ENTERPRISES INC | WAYNESVILLE | NC | 1 | 111 | 17,700 |
| C/*** | WELLONS INC | SHERWOOD | OR | 1 | 41,162 | 0 |
| C/ 45% | WESTINGHOUSE ELECTRIC CORP | PITTSBURGH | PA | 43 | 2,877,599 | 1,543,749 |
| C/ 50% | WESTVACO CORPORATION | NEW YORK | NY | 13 | 3,778,736 | 1,327,448 |
| C/* | WEYERHAEUSER COMPANY | TACOMA | WA | 15 | 1,109,659 | 1,380,715 |
| C/ 66% | WHEELING-PITTSBURGH CORP | PITTSBURGH | PA | 8 | 2,412,273 | 638,771 |
| C/ 50% | WHIRLPOOL CORPORATION | BENTON HARBOR | MI | 9 | 5,262,209 | 1,831,756 |
| C/ 56% | WHITE CONSOLIDATED INDUSTRIES | CLEVELAND | OH | 31 | 3,092,990 | 1,785,424 |
| C/ 50% | WHYCO CHROMIUM COMPANY INC | THOMASTON | CT | 1 | 76,894 | 63,801 |
| C/ 50% | WILKO PAINT INC. | WICHITA | KS | 1 | 96,000 | 7,500 |
| C/ 34% | WILLAMETTE INDUSTRIES INC | PORTLAND | OR | 13 | 628,784 | 866,772 |
| C/ 10% | WINCO INC | LE CENTER | MN | 1 | 19,921 | 37,100 |
| C/ 98% | WINEGARD COMPANY | BURLINGTON | IA | 1 | 14,200 | 0 |
| C/ 50% | WINFIELD INDUSTRIES INC | BUFFALO | NY | 1 | 100,863 | 28,200 |
| C/ 50% | WINONA CORPORATION | WINONA LAKE | IN | 1 | 31,078 | 57,900 |
| C/*** | WISCONSIN TOOL & STAMPING CO. | SCHILLER PARK | IL | 1 | 500 | 240,027 |

| Commitment Status (C,D,U,N,Z /% '95) | Parent Company Name | Location City | Location State | Number of Facilities Owned by Parent | TRI Releases & Transfers of 33/50 Chemicals (1988 Pounds) (1992 Pounds) | |
|---|--------------------------------|---------------------------|-------------------|---|---|-----------|
| C/ 50% | WITCO CORPORATION | NEW YORK | NY | 23 | 1,243,981 | 402,215 |
| C/*** | WNA INC | WILMINGTON | DE | 5 | 456,267 | 290,138 |
| C/* | WOLVERINE FOUNDRY SUPPLY CO | WALLED LAKE | MI | 1 | 0 | 0 |
| C/*** | WOLVERINE HOLDING COMPANY | DECATUR | AL | 3 | 419,314 | 464,520 |
| C/ 50% | WOOD PRESERVERS INC | WARSAW | VA | 1 | 1,094 | 113 |
| C/*** | WOODBRIIDGE HOLDINGS INC | MISSISSAUGA, ONT., CANADA | | 6 | 807,137 | 77,824 |
| C/ 50% | WOODROW CORPORATION | SPRINGFIELD | OH | 1 | 8,709 | 0 |
| C/** | WORLD GENERATOR CO | SOUTH HOLLAND | IL | 1 | 16,000 | 14,640 |
| C/* | WORLDWIDE CRYOGENICS HOLDINGS | MINNEAPOLIS | MN | 2 | 205,476 | 116,360 |
| C/* | WORTH INC | TULLAHOMA | TN | 1 | 4,207 | 8,861 |
| C/*** | WRIGHT PRODUCTS CORP | MINNEAPOLIS | MN | 1 | 32,851 | 85,885 |
| C/ 17% | XEROX CORPORATION | STAMFORD | CT | 5 | 4,305,811 | 924,480 |
| C/*** | YOUNG CORPORATION | SEATTLE | WA | 3 | 24,077 | 10 |
| C/ 75% | YOUNGWOOD ELECTRONIC METALS | GREENSBURG | PA | 2 | 18,800 | 0 |
| C/ 50% | YSD INDUSTRIES INC | YOUNGSTOWN | OH | 1 | 10,560 | 0 |
| C/*** | ZELL/CHILMARK FUND LP | CHICAGO | IL | 2 | 163,336 | 65,964 |
| C/* | ZENECA HOLDINGS INC | WILMINGTON | DE | 47 | 2,987,676 | 1,481,823 |
| C/ 25% | ZENITH ELECTRONICS CORPORATION | GLENVIEW | IL | 3 | 812,550 | 1,145,143 |
| C/ 50% | ZEON CHEMICALS USA | LOUISVILLE | KY | 1 | 328,250 | 71,271 |
| C/** | ZERO CORPORATION | LOS ANGELES | CA | 4 | 153,894 | 10,289 |
| C/* | ZIERICK MANUFACTURING CORP | MOUNT KISCO | NY | 1 | 9,629 | 0 |
| C/ 29% | ZIMMERMAN HOLDINGS INC | SAN MARINO | CA | 4 | 182,670 | 452,609 |
| C/ 50% | ZIPPO MANUFACTURING COMPANY | BRADFORD | PA | 2 | 137,320 | 258,421 |
| C/ 50% | ZIRCOA INC | SOLOM | OH | 1 | 7,835 | 0 |

**REFERENCE GUIDE TO POLLUTION
PREVENTION RESOURCES
EPA/742/B-94-005
(513)569-7562
"CENTER FOR ENVIR RESEARCH INFO"**

**FACILITY POLLUTION PREVENTION
GUIDE
EPA/600/R-92/088
(202)260-1023
"P2 INFORMATION CLEARINGHOUSE"**

**INDUSTRIAL POLLUTION PREVENTION
PLANNING
NEW JERSEY DEP&E
OFFICE OF POLLUTION PREVENTION
JEANNE HERB
(609)777-0518**

**OHIO POLLUTION PREVENTION
WASTE MINIMIZATION PLANNING
GUIDANCE MANUAL
OHIO EPA
OFFICE OF POLLUTION PREVENTION
(614)644-3469**

33/50 Participating Companies With Headquarters and/or Facilities In Region III (as of Mar. 1995)

Delaware

Allied Signal Inc.
Cabot Corp.
Chrysler Corp.
Ciba-Geigy Corp.
Coats Patons North America
DSM Finance USA Inc.
Du Pont
General Motors Corp.
Georgia Gulf Corp.
Handy & Harman Co.
Hercules Inc.
ICI American Holdings
James River Inc.
Johnson & Johnson
Johnson Controls Inc.
Matec Corp. (Alloy Surfaces Inc.)
N K K USA Corp.
Occidental Petroleum Corp.
Perma-Flex Rollers Inc.
PPG Industries Inc.
Rhone-Poulenc Inc.
Rodel Inc.
Shell Petroleum Inc.
Standard Chlorine of Delaware Inc.
Star, Enterprise (Texaco Inc.)
T & N Inc.
WNA Inc.

Maryland

Allied Signal Inc.
Aluminum Company of America
American Cyanamid Co.
American National Can Co.
Amsted Industries Inc.
Anchor Fence Inc.
Armco Inc.
Ball Corp.
Bethlehem Steel Corp.
Black & Decker Corp.
Bausch & Lomb Inc. (Oakland Fac.)
Cambridge Wire Cloth Co.
Certainteed Corp.
Chevron Corp.
Continental Can Co. Inc.
Crown Cork & Seal Co. Inc.
Cyclops Industries Inc.
Cytec Industries

Davis & Hemphill Inc.
Douglas & Lomason Co.
Dow Chemical Co.
Du Pont
Elf Aquitaine Inc. (Atochem North America)
FMC Corp.
Garden State Tanning
General Electric Co.
General Motors Corp.
H M Anglo-American LTD
Handy & Harman Co.
Hoffman-La Roche Inc.
Huls America Inc.
Illinois Tool Works Inc.
Imphy Alloys Inc. (Techalloy Maryland Inc.)
International Paper Co.
Johnson & Bloy America (Kromacorp Printing Ink)
Johnson Controls
Keywell Corp.
Kop-Flex Inc.
Martin Marietta Corp.
McCormick Paint Works Co.
Miles Inc.
Mitsubishi Metal America Corp. (Cox Creek Refining)
North American Phillips Corp.
Occidental Petroleum Corp.
Pechiney Corp. (American National Can)
Precision Products Group, Inc. (Stone Industrial)
Proctor & Gamble Co.
Rayloc (Genuine Parts Co.)
Review & Herald Publishing Assoc. (Seventh Day Adventists) Rohr Industries Inc.
Sherwin-Williams Co.
Sweetheart Cup Co. Inc.
Thiokol Corp.
Valspar Corp.
Vista Chemical Co.
W.R. Grace & Co.
Webcraft Technologies Inc.
Westinghouse Electric Corp.
Westvaco Corp.

Pennsylvania

3M

Air Products & Chemicals Inc.
Aldan Rubber Co.
Alfa Laval Separation Inc.
Allegheny Chemical Corp.
Allegheny Ludlum Corporation
Allied Signal Inc.
Aluminum Company of America
American Home Products Corp. (Wyeth-Ayerst Labs. Inc.)
American National Can Co.
American Tinning & Galvanizing Co.
Amp-Akzo
Aristech Chemical Corp. (ACC Holdings Corp.)
Armco Inc.
Armstrong World Industries Inc.
Arrow International Inc. (Arrow Precision)
Asea Brown Boveri Inc. (ABB Power)
Ashland Oil Inc.
Asset Management Assoc. (Childers Products Co.)
Atlantic Richfield Co.
AT&T
B Braun of America Inc. (Burrton Medical Inc.)
Bacharach, Inc.
Ball Corp.
Banner Metals, Inc.
Bell & Howell Co. Inc.
Bemis Co. Inc. (MACTAC-Scranton)
Berkley Products Co.
Bethlehem Steel Corp.
Boeing Co.
Bollman Hat Co.
Borden Corp.
Bostik Inc.
BP America Inc.
Buchan Industries Inc.
Burle Industries Inc.
Burman Castrol Holdings Inc.
Burnham Corp.
Cablec Continental Cables Co.
Cabot Corp.
Calgon Carbon Corp.
Calig Steel Drum Co.
Cargill Detroit Corp. (North Star Steel)
Carpenter Technology Corp.
Casket Shells Inc.
Caterpillar Inc.
Certainteed Corp.
Channellock Inc.
Chemcoat Inc.
Chestnut Ridge Foam Inc.
Chevron Corp.
Ciba-Geigy Corp.
C-K Composites Inc.
Coleman Co. Inc. (Macandrews Forbes Holding)
Cooper Industries
Coopers Creek Chemical
Corning Inc.
CP Industries
CP Industries Inc.
Crain Industry
Crompton & Knowles Corp.
Crown Cork & Seal Inc.
Cyclops Industries Inc.
Dal-Tile Group Inc.
Dana Corp. (Spicer Systems Assembly Div.)
Dana Corp. (Parish Div.)
Day & Zimmerman Basil
Delbar Products Inc.
Ditri Associates Inc. (Ridg-U-Rak)
Dorma Door Controls Inc.
Dresser Industries Inc.
Du Pont
E.F. Houghton & Co.
East Liberty Electroplating
Easton Foam Corp.
Ecolaire Corp. (North American Investment)
Elastomeric Technologies Inc.
Electroplaters of York, Inc.
Elf Aquitaine Inc. (Atochem North America)
Emerson Electric Co.
Emporium Specialties Co. Inc.
Engineering Plastic Product (DSM Finance USA)
ESAB Group Inc. (Alloy Rods Corp.)
Exxon Corp.
Farley Inc.
Federal-Mogul Corp.
Ferro Corp.
First Mississippi Corp.
Flint Ink Corp.
FMC Corp.
Forbo Industries Inc.
Ford Motor Co.
Franklin Industries Inc. (Franklin Steel Co.)
Fuchs Corp. (Metal Lubricants Co.)
GAF Corp.
Garden State Tanning
Gencorp Inc.
General Electric Co.
Gentex Corp.
Gilbert Spruance Holding Co.
Goodyear Tire & Rubber Co.
Greenville Tube Corp.
Grumman Corp.
GTI Corp.
H M Anglo-American LTD (Jade Corp.)
Halstead Industries Inc.
Hamilton Precision Metals
Handy & Harman Co.
Harris Semiconductor Intl.
Harrow Industries Inc. (Rutt Custom Kitchens)
Harsco Corp.
Heidelberg Cement Co.
Henkel Corp.
Hercules Inc.
Hillside Capital Inc. (Congoleum Corp.)
Hon Industries Inc.
Honeywell Inc.
Huls America Inc.
IBM Corp.
ICI American Holdings Inc.
IDL Inc.
Illinois Tool Works Inc.
Imcera Group Inc. (Mallinckrodt Specialty)
INCO United States Inc.
Indal LTD
Ingersoll-Rand Co.
Interlake Corp. (Hoeganaes Corp.)
International Jensen Inc.
International Paper Co.

Pennsylvania (cont'd)

ITT Corp.
Jacobson Manufacturing Co. Inc. (Penn Jacobson Co.)
James River Corp.
Jamestown Paint & Varnish Co.
Janbridge Inc.
JLG Industries, Inc.
Joyce International Inc.
Julian B. Slevin Co. Inc.
Katy Industries Inc. (Hamilton Precision Metals)
Kelso ASI Partners L.P. (Trane Co.)
Kerr-McGee Corp.
Keystone Carbon Co.
Keystone Thermistor Corp.
Keywell Corp.
LaFrance Co.
Lasko Metal Products Inc.
Latronics Corp.
Lectromat Inc.
Liberty Polyglas Inc.
Litton Industries Inc.
Lord Corp.
Lozier Corp.
LTV Steel Co. Inc.
Lukens Inc. (Lukens Steel & Washington Steel)
Magee Carpet Co.
Marmon Group Inc.
Masco Industries Inc. (Exotic Metals Inc.)
Mascotech
Masland Industries
Mead Corp.
Merck & Co. Inc.
Miles Inc.
Milton Roy Co. (Sundstrand Corp.)
Molded Fiber Glass Co.
Moore Business Forms Inc.
Moore Products Co.
Napco Inc.
National Forge Co.
NGK Metals Corp.
North America Morganite Inc. (Carbon Products Oper)
Oberg Industries
Occidental Petroleum Corp.
Olin Corp.
O'Sullivan Corp.
Owens-Corning Fiberglass Corps
Owens-Illinois
Paramount Packaging Corp.
Parker Hannifin Corp.
Parodi Industries Inc.
Paulsen Wire Rope Corp.
Pechiney Corp. (American National Can)
Penco Products
Penn Engineering & Manufacturing Corp.
Penn Fishing Tackle Mfg. Co.
Pennzoil Co.
Pfizer Inc.
PHB, Inc.
Plummer Precision Optics Inc.
Plymouth Tube Co.
PMF Industries Inc.
Polymer Corp.
Polysciences, Inc.
PPG Industries Inc.

PQ Corp.
Princeton Packaging Holdings
Proctor & Gamble Co.
Pruett Schaffer Chemical Co. Inc.
Quaker State Corp.
R.H. Sheppard Co. Inc.
RAF Industries Inc.
Ranbar Technology Inc.
Raytheon Co. (Caloric Corp.)
Reading Alloys Inc.
Reading Tube Corp.
Reilly Plating Co. Inc.
Republic Engineered Steels
Resilite Sports Products Inc.
Reynolds Metals Co.
Rockwell International Corp.
Rohm & Haas Co.
Ross Engineering Co.
Sara Lee Corp. (Kiwi Brands Inc.)
Sartomer Co. Inc.
Schindler Elevator Corp.
Scott Paper Co.
Sentry Paint Technologies Inc.
Shop Vac Corp.
SIBV/MS Holdings Inc. (Container Corp. of America)
Siebe Industries Inc. (Robertshaw Controls Co.)
SKF USA Inc.
S K W Alloys Inc.
SmithKline Beecham Corp.
Sonoco Products Co.
SPD Technologies
Specialty Materials Corp.
Spray Products Corp.
Spring Industries Inc. (Carey-McFall Corp.)
SPX Corp.
St. George Crystal Ltd.
St. Marys Carbon Co.
Stanley Works
Stora Holding Ltd. (Tarkett Inc.)
Sun Company Inc.
Talon Inc. (Coats Patons North America)
Temple-Inland Inc.
The O. Hommel Co.
Thomson Consumer Electronics Inc.
Timken Co. (Latrobe Steel Co.)
Topflight Corp. (Adhesives Research Inc.)
Uarco Inc. (York Tape & Label Co.)
Unisys
United Technologies Corp. (Freezing Equip. Sales Inc.)
USX Corp.
UTI Corp.
Valspar Corp.
Viz Manufacturing Co.
Webcraft Mail Systems Inc.
Westinghouse Electric Co.
White Consolidated Industries Inc.
Willamette Industries Inc. (Penntech Papers Inc.)
Witco Corp.
Woodbridge Holdings Inc.
Yorktowne Inc.
York Metal Finishing Co.
Youngwood Electronic Metals Inc.
Zimmerman Holdings Inc.
Zippo Manufacturing Co.

Virginia

AT&T
Akzo Coatings Inc.
Allied Signal Inc.
Aluminum Company of America
American Akzo Inc.
Amoco Corp.
Amsted Industries Inc.
Armstrong World Industries Inc. (Thomasville Furniture)
Asea Brown Boveri Inc. (ABB Power)
Automata Inc.
Ball Corp.
BASF Corp.
Bassett Furniture Industries Inc.
Benjamin Moore & Co.
BGF Industries Inc.
Bird Blue Body Co.
Boehringer Ingelheim Corp.
Bridgestone/Firestone Inc.
Carbone-Lorraine of North America
Chesapeake Hardwood Products Inc.
Comdial Corp.
Cooper Industries Inc.
Coors Corp.
Corning Inc.
Courtaulds U.S. Inc.
Crown Cork & Seal Inc.
Custom Wood Products, Inc. (CWP)
Dana Corp. (Spicer Universal Joint Div.)
Diebold Inc.
Dispersion Specialties Inc.
Disston Co.
Du Pont
Eagle-Picher Industries Inc.
Emerson Electric Co.
Ericsson GE Mobile Comm. Holdg.
Ethyl Corp.
Fabricated Metals Industries Inc.
Farley Inc.
F C Holdings Inc. (I R International)
Federal Mogul Corp.
Flint Ink Corp.
Ford Motor Co.
General Electric Co.
Georgia Gulf Corp. (Freeman Resins)
Georgia-Pacific Corp.
Goodyear Tire & Rubber Co.
Gravure Packaging Inc.
Hauni Richmond Inc. (Koerber AG)
Hercules Inc.
Hoechst Celanese Corp.
Hon Industries Inc.
IBM Corp.
ICI Americas Holdings Co.
Ingersoll-Rand Co. (Simmons-Rand)
International Paper Co.
ITT Corp.
James River Corp. of Virginia
Jordan Industries (American Safety Razor)
J.W. Fergusson & Sons Inc.
Kromacorp Printing Ink Spec.
Litton Industries Inc.
Manville Corp.
Marley Mouldings Inc.
Marmon Group Inc. (Cerro Metal Products)
Masco Industries Inc. (Norris Trim Inc.)
Mascotech
Merck & Co. Inc.
Mobil Corp.
Modine Manufacturing Inc.
O'Sullivan Corp.
Paperboard Industries Corp. (Somerville Packaging)
Pechiney Corp. (Howmet Casting Div.)
Phillip Morris Co. Inc.
Polymer Corp. (DSM Finance USA)
Premark International Inc.
Rehrig International
Reynolds Metals Co.
Roanoke Electric Steel Corp.
Saunders Supply Co.
Schuller Corp.
Seaward International Inc.
Shell Petroleum Inc.
Siebe Industries Inc.
Slocum Adhesives Corp.
Snyder General Corp.
Specialty Acquisitions Corp. (Owens-Brockway)
Sterling Casket Hardware Co.
Storeys Transprints Inc.
Super Radiator Coils Ltd.
Taylor-Ramsey Corp.
Tenneco Inc.
Thomson Corp. of America
Trinova Corp. (Aeroquip Corp.)
Unilever U.S. Inc. (National Starch & Chem. Co.)
Union Camp Corp.
Utility Trailer Mfg. Co.
Wacker Chemical Corp.
Waytec Electronics Corp.
Westinghouse Electric Corp.
Westvaco Corp.
Wood Preservers Inc.

West Virginia

3M
American Cyanamid Co.
Aristech Chemical Corp. (ACC Holdings Corp.)
Ashland Oil Co.
Ball Corp. (Heekin Can Co.)
BASF Corp.
B.F. Goodrich Co.
Cabot Corp.
Corhart Refractories Corp.
Corning Inc.
Cytac Industries
Du Pont
General Electric Co.
H M Anglo-American Ltd. (Ames)
Hanlin Group Inc.
Hercules Inc.
Homer Laughlin China Co.
Illinois Tool Works Inc.
INCO United States Inc.
Lockheed Corp.
Masco Industries Inc. (NI Industries Inc.)
Miles Inc. (Mobay Corp.)
Monsanto Co.
Newell Co. DE (Anchor Hocking Packaging Co.)
North American Philips Co.
Occidental Petroleum Corp.
Owens-Illinois
PPG Industries Inc.
Quaker State Corp.
Rhône-Poulenc Inc.
SMR Technologies, Inc.
Seely Pine Furniture, Inc.
Steel of West Virginia Inc.
SWVA Inc.
Union Carbide Corp.
United Technologies Corp. (Pratt & Whitney)
U.S. Can Co.
Weirton Steel Corp.
Wheeling Pittsburgh Steel Corp.

Wash., D.C.

U.S. Air Force
U.S. Army
U.S. Dept. of Energy
Harman Intl. Industries Inc.

The Magee Carpet Company

A Subsidiary of Magee Industrial Enterprises, Inc.

Mill and Executive Offices

40 West Fifth Street
Bloomsburg, PA 17816
Phone -- 717 734-4100

Sales Offices

Phone -- 313 566-8007
Location:
Rutland Square Office Center No. 107
17200 W. Ten Mile Road
Southfield, MI 48076
Mail Address:
P. O. Box 126-LV
Lathrup Village, MI 48076

November 26, 1991

United States Environmental Protection Agency
Region III
841 Chestnut Building
Philadelphia, PA 19107

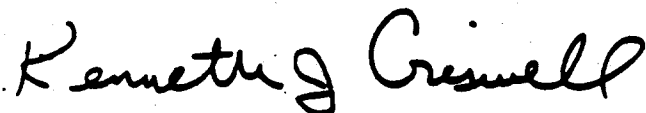
Attention: Mr. William Reilly

Re: 33/50 Voluntary Environmental Release Reduction

Dear Mr. Reilly:

In reference to our recent phone conversation, Magee Carpet Company has reduced its air emission of III Trichloroethane from 342,615 lbs. in 1988 to 0 in 1990. This was accomplished by changing from a solvent based glue to a 100% solid hot melt glue. It is my understanding that this will count toward the Voluntary 33/50 program for target chemicals, requesting a voluntary 33% reduction by 1992, and a 50% reduction by 1995. III Trichloroethane is the only target chemical that Magee can commit to reducing. The only other target chemical that Magee emits is Chromium Compound, which was reported on the 1989 and 1990 Toxics Release Inventory in very minimal quantities.

Sincerely,



Kenneth J. Criswell
Plant Engineer

KJC/sg

cc: Mike Katerman
Jeff Lewis
Burt Price
Dennis Blewett



Owings Mills, MD

Memorandum

May 20, 1994

United States Environmental Protection Agency
Region III
841 Chestnut Bldg.
Philadelphia, PA 19107

Attention: Bill Reilly 3AT01

Re: 33/50 Program

Dear Mr. Reilly:

In reference to our recent telephone conversations, Sweetheart Cup Company Inc. would like to join EPA's 33/50 Program.

Sweetheart Cup Company Inc. has had programs in place since 1988 (and earlier) to modify our operations to decrease environmental emissions. One change has been to eliminate 1,1,1-trichloroethane from our cup-sealing glue. We worked with our glue suppliers to develop a glue that would seal our paper cup seams, not allow the finished cups to leak, and not contain 1,1,1-trichloroethane. This source reduction effort resulted in decreases of 33/50 chemical releases from 214,275 pounds in 1988 to 0 pounds in 1991, and beyond.

These changes in our operations are pollution prevention successes. We are proud of our accomplishments and are happy to join the many other companies in the 33/50 Program.

Sincerely,

Thomas W. Armstrong
Manager of Environmental Compliance
Sweetheart Cup Company Inc.



The United States Environmental Protection Agency

presents to

CHANNELLOCK Incorporated

this

Certificate of Appreciation

*Acknowledging corporate commitment
to the Administrator's 33/50 Program,
a voluntary initiative to reduce toxic emissions nationally
and foster pollution prevention as the preferred approach to
environmental improvement.*



Carol M. Browner
Carol M. Browner, Administrator



September, 1994

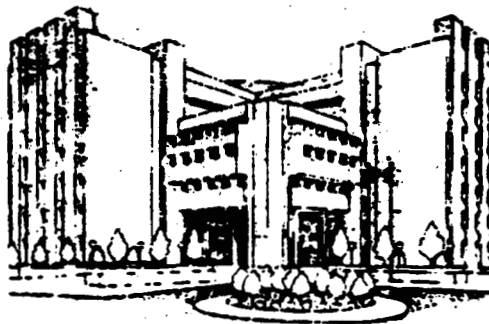


POLLUTION PREVENTION

RESEARCH BRANCH

*Risk Reduction Engineering Laboratory
U.S. Environmental Protection Agency
26 West Martin Luther King Drive
Cincinnati, Ohio 45268*

*Phone (513) 569-7215
FAX (513) 569-7111*



 *Printed on Recycled Paper*

Pollution Prevention Research Branch Program

KEY SCIENTIFIC ISSUE:

How should consumer and industrial products and services be designed, manufactured, and used for a minimal effect on the environment?

The Pollution Prevention Research Branch at EPA's Risk Reduction Engineering Laboratory supports projects and provides technical assistance to encourage the development and adoption of technologies, products, and pollution prevention (P2) techniques to reduce environmental pollution.

Cleaner Production Technologies

To develop, demonstrate and evaluate innovative processes for reducing pollution through source reduction

Tools to Support P2

To develop life cycle assessment and measurement methodologies to guide pollution prevention strategies

Cleaner Products Program

To support the design and development of products whose manufacture, use, recycle and disposal represent reduced impacts on the environment

Pollution Prevention Assessments

To identify P2 opportunities in a variety of industries and to transfer that technical information to assist others in implementing pollution prevention

P2 within Federal Community

To promote pollution prevention in other Federal Agencies through cooperative research, training, and demonstration projects

A compilation of summaries of current Branch projects is available from:
Current Projects
RREL, MS-466
Cincinnati, OH 45268

**Documents available from:
Center for Environmental Research Information
26 West Martin Luther King Drive
Cincinnati, Ohio 45268**

Phone: (513) 569-7562

Fax: (513) 569-7566

Recent Publications

Guides and Manuals

- FACILITY POLLUTION PREVENTION GUIDE (EPA/600/R-92/088)
- ACHIEVEMENTS IN P2/10 US INDUSTRIES (EPA/600/2-91/051)
- INDUSTRIAL P2 OPPORTUNITIES FOR 1990s (EPA/600/2-91/052)
- BKGRD/CLEAN PRODUCTS RES.& IMPL (EPA/600/2-90/048)
- P2 CASE STUDIES COMPENDIUM (EPA/600/R-92/046)
- OPPORT/P2 RES TO SUPPORT 33/50 PRG (EPA/600/R-92/175)
- LIFE CYCLE DESIGN MANUAL (EPA/600/R-92/226)
- LCA:INVENTORY GUIDELINES/ PRINCIPLES (EPA/600/R-92/245)
- PRIMER/FINANCIAL ANALYSIS/P2 PROJECTS (EPA/600/R-93/059)
- MEASURING P2 PROGRESS PROCEEDINGS (EPA/600/R-93/151)
- WM PRACTICES/2 CCA WOOD-TREAT PLTS (EPA/600/R-93/168)
- INNOV CLEAN TECHNOLOGIES CASE STDS (EPA/600/R-93/175)
- DUPONT CHAMBERS WORKS WM PROJECT (EPA/600/R-93/203)
- HG USAGE/ALTERNATIVES/ELECTRONICS INDUSTRIES (EPA/600/R-94/047)
- GUIDES TO POLLUTION PREVENTION:
 - PESTICIDE FORMULATING INDUSTRY (EPA/625/7-90/004)
 - PAINT MANUFACTURING INDUSTRY (EPA/625/7-90/005)
 - FABRICATED METAL PRODUCTS INDUSTRY (EPA/625/7-90/006)
 - PRINTED CIRCUIT BOARD INDUSTRY (EPA/625/7-90/007)
 - COMMERCIAL PRINTING INDUSTRY (EPA/625/7-90/008)
 - SELECTED HOSPITAL WASTE STREAMS (EPA/625/7-90/009)
 - RESEARCH AND EDUCATION INSTITUTIONS (EPA/625/7-90/010)
 - PHOTOPROCESSING INDUSTRY (EPA/625/7-91/012)
 - AUTO REPAIR INDUSTRY (EPA/625/7-91/013)
 - FIBERGLASS REINFORCED/COMPOSITE PLSTCS IND (EPA/625/7-91/014)
 - MARINE MAINTENANCE/REPAIR INDUSTRY (EPA/625/7-91/015)
 - AUTOMOTIVE REFINISHING INDUSTRY (EPA/625/7-91/016)
 - PHARMACEUTICAL INDUSTRY (EPA/625/7-91/017)
 - MECHANICAL EQUIPMENT REPAIR (EPA/625/R-92/008)
 - METAL CASTING/HEAT TREATING INDUSTRY (EPA/625/R-92/009)
 - METAL FINISHING INDUSTRY (EPA/625/R-92/011)
 - MUNICIPAL PRETREATMENT PROGRAMS (EPA/625/R-93/006)
 - NON-AGRICULTURAL PESTICIDE USERS (EPA/625/R-93/009)
 - WOOD PRESERVING INDUSTRY (EPA/625/R-93/014)
- GUIDES TO CLEANER TECHNOLOGIES:
 - ORGANIC COATING REMOVAL (EPA/625/R-93/015)
 - ALTNATIVES/CHLORINATED SOL/CLNG&DEGRSG (EPA/625/R-93/016)
 - CLEANING AND DEGREASING PROCESS CHANGES (EPA/625/R-93/017)

PROJECT SUMMARIES

- POLLUTION PREVENTION OPPORTUNITY ASSESSMENTS (PPOAS):
 - FORT RILEY, KANSAS (EPA/600/S2-90/031)
 - PHILADELPHIA NAVAL SHIPYARD (EPA/600/S2-90/046)
 - COAST GUARD SUPPORT CTR/GOVERNORS IS (EPA/600/S2-90/062)
 - NAVAL UNDERSEA WARFARE ENG. STA/WA (EPA/600/S2-91/030)
 - OPTICAL FABRICATION LAB/DENVER, CO (EPA/600/S2-91/031)
 - A TRUCK ASSEMBLY PLANT (EPA/600/S2-91/038)
 - A PHOTOFINISHING FACILITY (EPA/600/S2-91/039)
 - SCOTT AIR FORCE BASE (EPA/600/S2-91/054)
 - HISTOLOGY LABORATORY XYLENE USE (EPA/600/SR-92/187)
 - USDA BELTSVILLE AG RES CTR (EPA/600/SR-93/008)
 - TWO LABS AT SANDIA NATL LABS (EPA/600/SR-93/015)
- PROJECT SUMMARIES:
 - DIAPER INDUSTRY WORKSHOP REPORT (EPA/600/S2-91/018)
 - HOSPITAL P2 CASE STUDY (EPA/600/S2-91/024)
 - INDUSTRIAL P2 OPPORT FOR 1990s (EPA/600/SR-91/052)
 - ENGINE COOLANT RECYCLING/BY FILTRATION (EPA/600/S2-91/066)
 - EVALUATION OF 5 WM TECHNOLOGIES (EPA/600/S2-91/067)
 - ENGINE COOLANT RECYCLING/BY DISTILLATION (EPA/600/SR-92/024)
 - AUTOMTD H₂O ROTARY WSHR/MTL PERSO BODY (EPA/600/SR-92/188)
 - ONSITE WASTE INK RECYCLING (EPA/600/SR-92/251)
 - INK/CLEANER WR EVAL/FLEXOGRAPHIC PTRRS (EPA/600/SR-93/086)
 - MOBILE ONSITE RECYCLING/METALWKG FLD (EPA/600/SR-93/114)
 - ULTRAFILTRATION/RCVRY P2/PHOSPHO/DISSOLV BATH (EPA/600/SR-93/144)
 - FLD SORBENT RECYCLNG DEVICE/INDL FLD USRBS (EPA/600/SR-93/154)
 - RECYCLING NI ELECTROPLATING RINSE H₂O₂ (EPA/600/SR-93/160)
 - REPLCMT HAZRDS MTRL/WDS WBS FLUOROPHC PRTO (EPA/600/SR-93/149)
 - WATTS N/RINSE H₂O RCVRY/ADVCD REV ONSITE SYS (EPA/600/SR-93/150)
 - CARBON-BLCK DISP PRBLT TO TECHPRTO WBS BRD MFG (EPA/600/SR-93/201)
 - ULTRASONIC CLEANING/REPLCMT/CPC-BASED SYS (EPA/600/SR-93/223)
 - ONSITE SOLVENT RECOVERY (EPA/600/SR-94/026)
 - ACQ AS ALTERNATIVE WOOD PRESERVATIVE SYSTEM (EPA/600/SR-94/036)
 - SUPCRITICAL CO₂ TECH/REDCE SLVNT/SPRY CRT APPL (EPA/600/SR-94/043)
 - CADMIUM/CHROMIUM RCYCL/ELCTRPLT TO RSHMTS (EPA/600/SR-94/050)
 - WASH SOLVENT REUSE IN PAINT PRODUCTION (EPA/600/SR-94/063)
 - ELECTRDLYTC PRCSR/PURIFICATION HEAVYMET CR SOL (EPA/600/SR-94/071)

Environmental Research Briefs

• WASTE REDUCTION ACTIVITIES AND OPTIONS FOR A:

| | |
|---|--------------------|
| PRINTER OF LEGAL FORMS & SUPPLIES | (EPA/600/S-92/003) |
| NUCLEAR POWERED ELECTRIC GENERATING PLT | (EPA/600/S-92/025) |
| STATE DOT MAINTENANCE FACILITY | (EPA/600/S-92/026) |
| LOCAL BOARD OF EDUCATION IN NJ | (EPA/600/S-92/027) |
| MANUFACTURER OF FINISHED LEATHER | (EPA/600/S-92/039) |
| MFR OF PAINTS FOR METAL FINISHING | (EPA/600/S-92/040) |
| MFR OF WRITING INSTRUMENTS | (EPA/600/S-92/041) |
| MFR OF ROOM AC UNITS & HUMIDIFIERS | (EPA/600/S-92/042) |
| AUTOBODY REPAIR FACILITY | (EPA/600/S-92/043) |
| FABRICATOR/FINISHER / STEEL COMPUTER PARTS | (EPA/600/S-92/044) |
| MFR OF ARTISTS' SUPPLY PAINTS | (EPA/600/S-92/045) |
| MFR OF WIRE STOCK FOR METAL ITEMS | (EPA/600/S-92/046) |
| MFR COMMERCIAL REFRIGERATION UNITS | (EPA/600/S-92/047) |
| TRANSPORTER OF BULK PLASTIC PELLETS | (EPA/600/S-92/048) |
| MANUFACTURER OF ELECTROPLATED WIRE | (EPA/600/S-92/049) |
| MFR/ SYSTEMS TO PRODUCE SEMICONDUCTORS | (EPA/600/S-92/050) |
| REMANUFACTURER OF AUTOMOBILE RADIATORS | (EPA/600/S-92/051) |
| MFR/ FIRE RETARDANT PLASTIC PELLETS & HOT MELT ADHESIVES | (EPA/600/S-92/052) |
| PRINTING PLATE PREP SECTION OF NEWSPAPER | (EPA/600/S-92/053) |
| GENERAL PAINTS & PAINTING SUPPLIES | (EPA/600/S-92/054) |
| MFR/FINE CHEMICALS USING BATCH PROCESSES | (EPA/600/S-92/055) |
| LAMINATOR OF PAPER & CARDBOARD PEGS | (EPA/600/S-92/056) |
| MANUFACTURER OF HARDENED STEEL GEARS | (EPA/600/S-92/057) |
| SCRAP METAL RECOVERY FACILITY | (EPA/600/S-92/058) |
| MFR/ ELECTROPLATING CHEMICAL PRODUCTS | (EPA/600/S-92/059) |
| MFR PLASTIC CONTAINERS BY INJECTN MOLDING | (EPA/600/S-92/060) |
| FOSSIL FUEL-FIRED ELECTRICAL GENERATING PLT | (EPA/600/S-92/061) |
| MFR/COMMERCIAL DRY CLEANING EQUIPMENT | (EPA/600/S-92/062) |
| ELECTRICAL UTILITY TRANSMISSION SYSTEM MONITORING & MAINTENANCE FACILITY | (EPA/600/S-92/063) |
| MANUFACTURER OF ORTHOPEDIC IMPLANTS | (EPA/600/S-92/064) |

• WASTE MINIMIZATION ASSESSMENT FOR A MANUFACTURER OF:

| | |
|--|--------------------|
| PRINTED PLASTIC BAGS | (EPA/600/M-90/017) |
| METAL PARTS COATING PLANT | (EPA/600/M-91/015) |
| OUTDOOR ILLUMINATED SIGNS | (EPA/600/M-91/016) |
| REBUILT RAILWAY CARS AND COMPONENTS | (EPA/600/M-91/017) |
| BRAZED ALUMINUM OIL COOLERS | (EPA/600/M-91/018) |
| HVAC EQUIPMENT | (EPA/600/M-91/019) |
| BUMPER REFINISHING PLANT | (EPA/600/M-91/020) |
| MULTILAYERED PRINTED CIRCUIT BOARD MFG | (EPA/600/M-91/021) |
| PRINTED CIRCUIT BOARDS | (EPA/600/M-91/022) |
| PAINT MANUFACTURING PLANT | (EPA/600/M-91/023) |
| COMPRESSED AIR EQUIPMENT COMPONENTS | (EPA/600/M-91/024) |
| ALUMINUM CANS | (EPA/600/M-91/025) |
| REFURBISHED RAILCAR BEARING ASSEMBLIES | (EPA/600/M-91/044) |
| PROTOTYPE PRINTED CIRCUIT BOARDS | (EPA/600/M-91/045) |
| SPEED REDUCTION EQUIPMENT | (EPA/600/M-91/046) |
| PRINTED LABELS | (EPA/600/M-91/047) |
| CHEMICALS | (EPA/600/S-92/004) |
| A DAIRY | (EPA/600/S-92/005) |
| METAL-CUTTING WHEELS AND COMPONENTS | (EPA/600/S-92/006) |
| AUTO AC CONDENSERS & EVAPORATORS | (EPA/600/S-92/007) |
| PRINTED CIRCUIT BOARD MANUFACTURER | (EPA/600/S-92/008) |
| COMPONENTS FOR AUTO AIR CONDITIONERS | (EPA/600/S-92/009) |
| ALUMINUM EXTRUSIONS | (EPA/600/S-92/010) |
| GALVANIZED STEEL PARTS | (EPA/600/S-92/011) |
| COMMERCIAL ICE MACHINES & STORAGE BINS | (EPA/600/S-92/012) |
| WATER ANALYSIS INSTRUMENTATION | (EPA/600/S-92/013) |
| CAN MANUFACTURING EQUIPMENT | (EPA/600/S-92/014) |
| METAL BANDS/CLAMPS/RETAINERS/& TOOLING | (EPA/600/S-92/015) |
| PERMANENT-MAGNET DC ELECTRIC MOTORS | (EPA/600/S-92/016) |
| MILITARY FURNITURE | (EPA/600/S-92/017) |
| ALUMINUM EXTRUSIONS MANUFACTURER | (EPA/600/S-92/018) |
| METAL-PLATED DISPLAY RACES | (EPA/600/S-92/019) |
| MOTOR VEHICLE EXTERIOR MIRRORS | (EPA/600/S-92/020) |
| SHEET METAL CABINETS & PRECISION PARTS | (EPA/600/S-92/021) |
| TREATED WOOD PRODUCTS | (EPA/600/S-92/022) |
| INDUSTRIAL COATINGS | (EPA/600/S-92/028) |
| CUTTING AND WELDING EQUIPMENT | (EPA/600/S-92/029) |
| FINISHED METAL COMPONENTS | (EPA/600/S-92/030) |
| MACHINED PARTS | (EPA/600/S-92/031) |
| INJECTION-MOLDED CAR & TRUCK MIRRORS | (EPA/600/S-92/032) |
| PRINTED CIRCUIT BOARDS | (EPA/600/S-92/033) |
| CUSTOM MOLDED PLASTIC PARTS | (EPA/600/S-92/034) |
| SHEET METAL COMPONENTS | (EPA/600/S-92/035) |
| SILICON-CONTROLLED & SCHOTTEY RECTIFIERS | (EPA/600/S-92/036) |
| PENNY BLANES AND ZINC PRODUCTS | (EPA/600/S-92/037) |
| BASEBALL BATS AND GOLF CLUBS | (EPA/600/S-93/007) |
| PRODUCT CARRIERS AND PRINTED LABELS | (EPA/600/S-93/008) |
| ROTOGRAVURE PRINTING CYLINDERS | (EPA/600/S-93/009) |

EPA REGION III

POLLUTION PREVENTION

RESOURCES FOR TECHNICAL INFORMATION

- **NATIONWIDE**

- **INTRA-REGIONAL**

- **STATE-SPECIFIC**



MARCH 1995

RESOURCES FOR POLLUTION PREVENTION INFORMATION

NATIONWIDE

Air and Energy Engineering Research Laboratory

U.S. Environmental Protection Agency Betsy Shaver
Research Triangle Park, NC 27711
(919) 541-2821

American Institute for Pollution Prevention(AIPP)

Department of Civil and Environmental Engineering
University of Cincinnati
Cincinnati, Ohio 45221-0071

Center for Environmental Research Information(CERI) Technology Transfer

U.S. Environmental Protection Agency
P.O. Box 12505
Cincinnati, Ohio 45212

Center for Hazardous Materials Research(CHMR)

320 William Pitt Way Roger Price
Pittsburgh, PA.15238
(412) 826-5320
(800) 334-CHMR

Center for Waste Reduction Technologies(CWRT)

American Institute of Chemical Engineers
345 East 47th Street
New York, NY 10017
(212) 705-7407

Chlorofluorocarbons(CFCs) -Guidance

U.S. Environmental Protection Agency
Hotline:(800) 296-1996
Labeling:Kate Van Slyck (202)233-9742

Pollution Prevention Information Clearinghouse(PPIC)

Reference and Referral (202) 260-1023
Fax (202) 260-0178

Pollution Prevention Information Exchange System,

Computerized(PIES): (703) 506-1025

Technical Support Hotline: (703) 821-4800

RCRA/Superfund Hotline: (800) 424-9346

Small Business Ombudsman (SBO) Hotline: (800) 368-5888; in VA:
(703) 557-1938

Risk Reduction Engineering Laboratory

U.S. Environmental Protection Agency Lisa Brown
26 West Martin Luther King Drive
Cincinnati, Ohio 45268
(513) 569-7215

**Waste Reduction Institute for Training and Applications Research,
Inc. (WRITAR)**

1313 5th Street SE
Minneapolis, MN 55414-4502
(612) 379-5995

Waste Reduction Resource Center (WRRC)

3825 Barrett Drive Gary Hunt / Vic Young
P.O. Box 27687
Raleigh, NC 27611-6787
(800) 476-8686

INTRA-REGIONAL

INSTITUTE FOR COOPERATION IN ENVIRONMENTAL MANAGEMENT (ICEM)

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