

NEWMYER ASSOCIATES, INC., 1220 L STREET, N.W., SUITE 425, WASHINGTON, D.C. 20005

To Westinghouse Electric Corporation Date December 13, 1991

Mr. William MacLaurin (Stevens)+  
cc: Mr. Briskman+ Ms. Darling+ Mr. Kerns+  
Mr. Mahon+ Mr. Pitts+ Mr. Palmieri+  
Mr. Rayburn Mr. Spodak Mr. Upchurch+  
Mr. Wright Washington Office+

Re: Job Safety Enforcement -- Report of Interest Group

In a public interest group's review of safety and health enforcement against 50 of the nation's largest manufacturing companies, Westinghouse was listed as having the second highest number of citations from the U.S. Occupational Safety and Health Administration from 1977-1990, with a rate of 99.5 per 10,000 employees. The report said that the company received 1,338 citations and paid \$143,799 in penalties of a total of \$248,200 that had been assessed against Westinghouse.

The report also said that OSHA recorded 19 fatalities and four injuries at company operations during the period.

Aggregated data for Federal and state OSHA citations was presented from 1982-90 and showed Westinghouse with 942 citations, 70.1 percent per 10,000 employees.

Workers at Risk, issued this week by a Ralph Nader sponsored organization, declared that the agency leveled penalties for only 32.4 percent of the citations filed against the 50 largest firms and collected only 53.1 percent of the penalties initially imposed. General Electric was cited as "by far the most frequent violator of workers safety and health regulations."

Essential Information, Inc., the Nader-founded unit that conducted the study (and sold it for \$10 a copy after holding a news conference here), said that it obtained the information from OSHA through a Freedom of Information Act request. James Donahue, who produced the work, noted that mergers and corporate restructuring made it difficult to trace subsidiaries to corporate parents.

The report makes no reference to OSHA's policy of reducing penalties in exchange for agreements by employers to (1) abate identified hazards without resorting to their right to appeal citations and (2) institute training and abatement practices throughout their facilities nationwide rather than only at the inspected operations.

Attached are copies of the report.

Newmyer Associates

Attachment+



MHB-0012813

# *Workers at Risk*

*A Survey of OSHA's  
Enforcement Record  
Against the 50 Largest U.S.  
Corporations*

*By*

*James Donahue*

*Essential Information, Inc.*

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## METHODOLOGY OF THE SURVEY

Essential Information surveyed enforcement data obtained from the federal Occupational Safety and Health Administration (OSHA) for the 50 largest corporations listed in the 1990 *Fortune* 500. The data was obtained through the Freedom of Information Act from the Office of Management Data Systems of the federal OSHA in Washington, D.C. It includes inspection reports that list the name of the violator, the regulation violated, the OSHA citation date and case-closed date, the type of violation (i.e. serious, willful, repeat or other), the initial and final penalties issued for each violation, fatalities and injuries and whether the cited facility had a union or nonunion workforce. The enforcement data from the federal OSHA spans a 14-year period from 1977 through 1990.

In addition to the inspection reports of the federal OSHA, reports from 18 of the 21 states that conduct their own occupational safety and health enforcement were surveyed for the period from 1982 through 1990. Those states are Alaska, Arizona, Hawaii, Indiana, Iowa, Kentucky, Maryland, Minnesota, Nevada, New Mexico, North Carolina, Oregon, South Carolina, Tennessee, Utah, Vermont, Virginia and Wyoming. This data was provided by the federal OSHA. Data from state-controlled enforcement programs in California, Michigan and Washington was not available from OSHA and is not included in this study.

## LIMITATIONS OF OSHA'S COMPUTER SEARCH SYSTEM

OSHA's computer system typically does not indicate the parent company name when citations are recorded for subsidiaries. Consequently, in order to obtain a complete picture of violations, the names of all subsidiaries, in addition to the parent company name, must be searched individually. It is not possible, for example, to search OSHA's computer system

solely by the name of the parent corporation and obtain violations of all subsidiaries. When OSHA conducts a computer search by parent company name only, as it did for this survey, enforcement data is provided only for the parent and those subsidiaries with names similar to that of the parent. For example, searches under the name of General Motors will provide enforcement data for both the parent as well as the GM subsidiary General Motors Acceptance Corporation. In contrast, Electronic Data Systems Corp., also a GM subsidiary, would not be provided, unless, by chance, an OSHA inspector recorded the parent name next to the subsidiary name on the inspection report.

Due to the costly and time-consuming task of identifying and searching literally hundreds of individual subsidiaries owned by the 50 surveyed corporations, this study is limited to an examination of enforcement against the parent corporation and significant subsidiaries identified by names similar to that of the parent.

#### **MERGERS & CORPORATE RESTRUCTURING**

Until the mid-1980s, Amoco was a subsidiary of Standard Oil of Indiana and Chevron was a subsidiary of Standard Oil of California. Although Amoco and Chevron are included in this survey, both Standard Oil companies are not. In addition, a few of the surveyed corporations were formed during the 1980s by a merger between two or more corporations. In this case, enforcement data from each company involved in the merger is included in this survey in addition to the post-merger corporation. Allied-Signal Corp. was established in the mid-1980s by the merger between Allied Chemical and the Signal Companies. Enforcement data from each of the two latter companies is included in this survey under Allied-Signal. RJR Nabisco was established in the late 1980s with the merger between R.J. Reynolds

Tobacco Co. and Nabisco Corp. Pre-merger data from RJR and Nabisco is included in this survey under RJR Nabisco. Unisys was established in the mid-1980s with the merger between Sperry Corp. and Burroughs Corp. Pre-merger data from Sperry and Burroughs is included under Unisys.

Manufacturing facilities were the primary focus of this study and consequently gasoline service stations and auto dealerships were not included in the survey.

CITATIONS & PENALTIES PER 10,000 EMPLOYEES

The number of citations and penalties per 10,000 employees is also included in this survey. The number of employees per company is based on an average over the entire 14-year period. The number of employees for the entire period, however, was not available for six of the corporations. Consequently, averages were calculated over a time span of less than 14 years: the average number of employees for Sara Lee and Chevron was calculated from 1985 through 1990; Amoco's average was calculated from 1986 through 1990; Shell's average was calculated from 1977 through 1985; Conagra's average was calculated from 1977 through 1988; and RJR Nabisco's average was calculated from 1977 through 1988. The average number of employees for corporations formed by a merger was calculated by averaging both the number of employees for all corporations involved in the merger and the number of employees after the merger.

SUMMARY OF RESULTS

The results of this survey are conservative. The exclusion of subsidiaries and the lack of information from three state-wide OSHA programs that conduct enforcement separately

from the federal OSHA produces an under-reporting of violations. The results distinguish between enforcement conducted 1) from 1977 through 1990 by the federal OSHA exclusively and 2) from 1982 through 1990 by the federal *and* state OSHA programs combined.

Enforcement data was recorded by the date on which OSHA closed its case against the corporation, not the date on which the citations were issued. The totals for fatalities and injuries, however, were recorded by the date at which the case was first opened by OSHA.

#### FEDERAL OSHA

The federal OSHA issued citations in 3,611 inspections from 1977 through 1990. Citations and penalties are presented in Tables 1, 2 and 3. Table 1 shows that the federal OSHA issued 17,318 citations against 48 of the 50 surveyed corporations and imposed a penalty for only 32.4 percent of those citations. Table 2 shows that the federal OSHA imposed 5,605 penalties against the corporations. The vast majority of the penalties were imposed for serious violations; serious violations are issued when OSHA finds that a company should have known of a substantial probability of an accident resulting in death or serious injury. Penalties imposed for willful violations were least common of all; willful violations are committed with an intentional disregard of, or plain indifference to, occupational safety and health regulations.

Table 3 shows that OSHA imposed \$7.1 million in initial penalties against 48 of the 50 corporations and required final payment of \$3.8 million. The corporations collectively paid only 53.1 percent of the penalties initially imposed by OSHA.

Of the 3,611 total federal OSHA inspections, 79.2 percent involved facilities operated by union labor while 20.8 percent were non-union. Facilities operated by union labor were

also more frequently cited for safety violations than non-union facilities; Table 11 shows that the federal OSHA issued 14,185 citations against union facilities and 3,133 citations against non-union facilities. The agency imposed a penalty for 34.3 percent of the citations issued against union facilities and 23.8 percent of citations issued against non-union facilities. Table 14 shows that union facilities collectively were fined \$3.5 million by the federal OSHA and paid 52.6 percent of the initial penalties. The table also shows that non-union facilities were fined \$268,217 and paid 60.4 percent of the initial penalties.

#### STATE OSHA

Table 7 shows that 18 of the 21 state-operated occupational safety enforcement agencies issued 3,897 citations against 48 of the 50 surveyed corporations from 1982 through 1990. Penalties were imposed for only 1,031, or 26.4 percent, of those citations.

The data does not provide a reliable comparison of enforcement between states because each state does not contain the same number of facilities. Nevertheless, a comparison is made here to illustrate the extent of state enforcement against the 50 surveyed corporations. Oregon's enforcement program was the most aggressive. The state issued 1,298 citations and imposed \$101,515 in penalties against the corporations from 1982 through 1990. Kentucky ranked second but followed far behind Oregon with 392 citations and \$28,289 in penalties. Indiana, Minnesota and North Carolina immediately followed Kentucky and ranked third, fourth and fifth, respectively, in the number of citations issued. Ranking with the smallest number of citations were Arizona, Nevada, New Mexico, Alaska and Iowa.

#### FEDERAL & STATE COMBINED

The federal OSHA and state agencies collectively issued citations in 2,823 inspections

from 1982 through 1990. Tables 4, 5 and 6 rank the corporations by citations and penalties imposed by both the federal *and* state agencies in the nine-year period. Table 4 shows that both the federal OSHA and the state agencies collectively issued 13,116 citations against 48 of the 50 surveyed corporations and imposed a penalty for only 31.6 percent of those citations. Table 5 shows that the vast majority of penalties were imposed for serious violations while willful violations were the most infrequent. A total of \$5.6 million in penalties was initially imposed, while only \$3 million was actually paid. Final penalties represented 54.4 percent of initial penalties.

#### **MOST FREQUENT VIOLATORS UNDER FEDERAL ENFORCEMENT**

Table 1 shows that the federal OSHA typically imposes a penalty for about one-fourth to one-third of the citations issued, regardless of how frequently a corporation is cited. General Electric (GE) was by far the most frequent violator of worker safety and health regulations. From 1977 through 1990, GE violated federal worker safety and health regulations 2,017 times and paid a penalty for 27.3 percent of those violations. Among the 20 corporations most frequently cited by the federal OSHA, GE paid a penalty on the second smallest proportion of its total citations, despite its ranking as the most frequent violator. Westinghouse followed GE with 1,338 violations of federal safety and health regulations. The corporation paid a penalty for 31.2 percent of its total citations. Following GE and Westinghouse, and ranking in the top five cited companies, were General Dynamics, General Motors and International Paper, respectively.

Table 1 also shows that International Paper was the most frequent violator per 10,000 employees. The company received more than 237 citations per 10,000 employees, while

Georgia Pacific, Weyerhaeuser and General Dynamics followed with 221, 137 and 130 citations respectively.

#### MOST FREQUENT VIOLATORS UNDER FEDERAL & STATE ENFORCEMENT

Table 4 shows that under the federal *and* state enforcement programs, GE ranked number one in violating safety regulations from 1982 through 1990. GE violated such regulations on 1,498 occasions and was penalized for only 25.5 percent of the citations issued. Weyerhaeuser followed with 1,212 violations; it paid a penalty for only 34.2 percent of the citations issued. Following GE and Weyerhaeuser, and ranking in the top five, were Westinghouse, International Paper and General Dynamics, respectively.

Table 4 also shows that Weyerhaeuser was the most frequent violator per 10,000 employees. The company received more than 277 citations per 10,000 employees, while International Paper and Georgia Pacific followed with more than 201 and 197 citations respectively.

Occidental Petroleum and Pepsico were not issued a citation or penalty and did not appear at all in the federal or state enforcement data. In the United States, Occidental Petroleum is represented primarily by subsidiary names rather than the parent name. This may explain the lack of any violations in the OSHA data. In addition, unlike most oil companies, Occidental Petroleum does not have any U.S. oil refineries; such workplaces are frequently cited by OSHA for safety violations. In 1991, Occidental Petroleum was ranked by *Forbes* magazine as the eighth smallest employer of the 50 corporations surveyed.

#### PENALTIES

General Motors (GM) paid the greatest amount in federal OSHA penalties as well as

federal *and* state OSHA penalties combined. Table 3 shows that from 1977 through 1990, GM paid \$654,499 in federal OSHA penalties; Table 6 shows that from 1982 through 1990 GM paid \$609,004 in federal *and* state OSHA penalties combined. Following GM in the top five ranking of *federal* OSHA penalties were Ford Motor Co., Chrysler, General Dynamics and Texaco. Following GM in the top five ranking of federal *and* state OSHA penalties were Ford Motor Co., Chrysler, General Dynamics and USX. Although GE was cited more frequently than any corporation, it ranked sixth in the amount of penalties imposed exclusively by the federal OSHA and by the federal *and* state OSHA combined.

#### ENFORCEMENT TREND

The 14-year trend of citations and penalties issued by the federal OSHA is shown by the graphs in Figures 1 and 2. Figure 1 depicts the late 1970s as the most aggressive enforcement period while the 1980s are characterized by declining federal enforcement. Throughout the entire period, however, the total number of citations was never fully matched by a similar number of penalties. Figure 2 shows that no penalty or penalties totalling \$1 - \$1,000 were imposed for the vast majority of inspections in which a citation was issued. Figure 2 also shows that penalties totalling \$10,000 or more were rarely, if ever, imposed by OSHA.

The nine-year trend of citations and penalties issued by the states is shown by the graphs in Figures 3 and 4. While the federal government was reducing the number of citations and penalties in the 1980s, Figure 3 shows that the state agencies were gradually increasing enforcement efforts. The increase, however, was not matched with stringent penalties. Figure 4 shows that no penalty or penalties totalling \$1 - \$1,000 were imposed for

the vast majority of inspections in which at least one citations was issued. Similar to the federal OSHA, state agencies rarely, if ever, imposed total penalties of \$10,000 or more.

Figure 5 depicts the dollar value of initial and final penalties imposed by the federal OSHA in each year from 1977 through 1990. The figure shows the late 1970s as a period of increasing penalties while the early and mid-1980s were a period of decline. A sudden increase in penalties occurred in 1988 and 1989; Figure 1 shows, however, that stronger penalties in 1988 and 1989 were not matched by a similarly strong increase in the *number* of citations and penalties. Although the *dollar* amount of penalties was significantly higher in 1988 and 1989 than at any other time, the *number* of citations and penalties was significantly higher during the late 1970s.

Figure 6 shows the dollar value of initial and final penalties imposed by the state OSHA programs in each year from 1982 through 1990. It shows that the states were generally increasing penalties except for periods of decline in 1984, 1988 and 1989.

#### FATALITIES AND INJURIES

Table 15 shows that the federal OSHA recorded 1,141 fatalities and injuries from 1977 through 1990 for 43 of the 50 corporations; 418 workers were killed and 723 injured. On average, 6.8 employees were killed or injured each month during the 14 year period. Phillips Petroleum topped the list with 122 fatalities and injuries, followed by Goodyear Tire & Rubber Co. with 96. No deaths or injuries were recorded for Bristol Myers, Eastman Kodak, Hewlett Packard, Occidental Petroleum, Pepsico, Philip Morris or Xerox.

TABLE 1. NUMBER OF FEDERAL OSHA CITATIONS  
(1977 THROUGH 1990)

| <u>CORPORATION</u>      | <u>CITATIONS</u> | <u>CITATIONS<br/>PER 10,000<br/>EMPLOYEES</u> | <u>PERCENTAGE OF<br/>CITATIONS WITH<br/>PENALTIES</u> |
|-------------------------|------------------|-----------------------------------------------|-------------------------------------------------------|
| 1 GENERAL ELECTRIC      | 2017             | 56.7                                          | 27.3                                                  |
| 2 WESTINGHOUSE          | 1338             | 99.5                                          | 31.2                                                  |
| 3 GENERAL DYNAMICS      | 1158             | 130.0                                         | 31.0                                                  |
| 4 GENERAL MOTORS        | 1115             | 14.4                                          | 34.3                                                  |
| 5 INTERNATIONAL PAPER   | 1046             | 237.7                                         | 34.9                                                  |
| 6 GEORGIA PACIFIC       | 907              | 221.2                                         | 28.8                                                  |
| 7 FORD MOTOR            | 896              | 21.8                                          | 39.2                                                  |
| 8 GOODYEAR              | 820              | 61.1                                          | 27.2                                                  |
| 9 CATERPILLAR           | 622              | 88.5                                          | 34.0                                                  |
| 10 WEYERHAEUSER         | 601              | 137.5                                         | 29.3                                                  |
| 11 ROCKWELL             | 516              | 46.2                                          | 30.0                                                  |
| 12 CHRYSLER             | 502              | 39.1                                          | 41.8                                                  |
| 13 TEXACO               | 417              | 69.1                                          | 55.1                                                  |
| 14 NABISCO              | 396              | 32.4                                          | 30.3                                                  |
| 15 ARCO                 | 382              | 93.2                                          | 29.3                                                  |
| 16 UNISYS               | 315              | 24.8                                          | 29.5                                                  |
| 17 LOCKHEED             | 295              | 39.2                                          | 31.5                                                  |
| 18 MOBIL                | 291              | 17.1                                          | 40.2                                                  |
| 19 CONAGRA              | 284              | 99.6                                          | 35.9                                                  |
| 20 ALLIED SIGNAL        | 272              | 23.4                                          | 35.7                                                  |
| 21 BOEING               | 263              | 24.7                                          | 25.1                                                  |
| 22 USX                  | 240              | 21.2                                          | 55.0                                                  |
| 23 SUN                  | 232              | 66.5                                          | 31.9                                                  |
| 24 ALCOA                | 226              | 49.3                                          | 33.6                                                  |
| 25 ANHEUSER BUSCH       | 199              | 69.8                                          | 31.6                                                  |
| 26 CHEVRON              | 195              | 36.2                                          | 35.4                                                  |
| 27 EXXON                | 179              | 12.8                                          | 25.1                                                  |
| 28 AMOCO                | 173              | 34.6                                          | 32.4                                                  |
| 29 DUPONT               | 156              | 10.6                                          | 26.3                                                  |
| 30 TENNECO              | 128              | 12.8                                          | 29.7                                                  |
| 31 PHILLIPS             | 126              | 45.3                                          | 42.1                                                  |
| 32 3M                   | 124              | 14.5                                          | 19.3                                                  |
| 33 PROCTER & GAMBLE     | 106              | 16.9                                          | 27.3                                                  |
| 34 UNITED TECHNOLOGIES  | 101              | 5.6                                           | 28.7                                                  |
| 35 SHELL                | 100              | 28.3                                          | 41.0                                                  |
| 36 DIGITAL EQUIPMENT    | 95               | 13.4                                          | 15.8                                                  |
| 37 DCW                  | 92               | 16.7                                          | 32.6                                                  |
| 38 XEROX                | 84               | 7.6                                           | 9.5                                                   |
| 39 JOHNSON & JOHNSON    | 69               | 9.4                                           | 24.6                                                  |
| 40 MOTOROLA             | 67               | 8.2                                           | 32.8                                                  |
| 41 SARA LEE             | 44               | 4.8                                           | 40.9                                                  |
| 42 MCDONNELL DOUGLAS    | 35               | 4.1                                           | 17.1                                                  |
| 43 UNOCAL               | 36               | 19.7                                          | 36.1                                                  |
| 44 HEWLETT PACKARD      | 26               | 4.0                                           | 11.5                                                  |
| 45 EASTMAN KODAK        | 14               | 1.1                                           | 28.6                                                  |
| 46 IBM                  | 9                | 0.2                                           | 22.2                                                  |
| 47 BRISTOL MYERS        | 7                | 2.0                                           | 57.1                                                  |
| 48 PHILIP MORRIS        | 2                | 0.2                                           | 50.0                                                  |
| 49 OCCIDENTAL PETROLEUM | 0                | -                                             | -                                                     |
| 50 PEPSICO              | 0                | -                                             | -                                                     |
| TOTAL                   | 17318            |                                               | 32.4                                                  |

TABLE 2. NUMBER OF FEDERAL OSHA PENALTIES  
(1977 THROUGH 1990)

| CORPORATION             | PENALTIES<br>PER 10,000 |           |         |         |        |       |
|-------------------------|-------------------------|-----------|---------|---------|--------|-------|
|                         | PENALTIES               | EMPLOYEES | SERIOUS | WILLFUL | REPEAT | OTHER |
| 1 GENERAL ELECTRIC      | 550                     | 15.5      | 468     | 13      | 33     | 36    |
| 2 WESTINGHOUSE          | 418                     | 31.1      | 359     | 3       | 30     | 25    |
| 3 GENERAL MOTORS        | 383                     | 4.9       | 326     | 21      | 29     | 7     |
| 4 INTERNATIONAL PAPER   | 365                     | 82.9      | 329     | 9       | 12     | 15    |
| 5 GENERAL DYNAMICS      | 359                     | 40.3      | 198     | 14      | 55     | 92    |
| 6 FORD MOTOR            | 351                     | 8.5       | 284     | 16      | 33     | 18    |
| 7 GEORGIA PACIFIC       | 261                     | 63.6      | 220     | 8       | 24     | 9     |
| 8 TEXACO                | 230                     | 38.1      | 192     | 11      | 20     | 7     |
| 9 GOODYEAR              | 223                     | 16.6      | 209     | 0       | 9      | 5     |
| 10 CATERPILLAR          | 211                     | 30.0      | 137     | 6       | 60     | 8     |
| 11 CHRYSLER             | 210                     | 16.4      | 128     | 22      | 35     | 25    |
| 12 WEYERHAEUSER         | 176                     | 40.3      | 164     | 2       | 6      | 4     |
| 13 ROCKWELL             | 155                     | 13.9      | 142     | 0       | 5      | 8     |
| 14 USX                  | 132                     | 11.6      | 101     | 15      | 12     | 4     |
| 15 NABISCO              | 120                     | 9.8       | 109     | 1       | 9      | 1     |
| 16 MOBIL                | 117                     | 6.9       | 95      | 0       | 4      | 18    |
| 17 ARCO                 | 112                     | 27.3      | 95      | 1       | 6      | 10    |
| 18 CONAGRA              | 102                     | 35.8      | 87      | 0       | 6      | 9     |
| 19 ALLIED SIGNAL        | 97                      | 8.3       | 67      | 1       | 12     | 17    |
| 20 LOCKHEED             | 93                      | 12.4      | 80      | 0       | 12     | 1     |
| 21 UNISYS               | 93                      | 7.3       | 76      | 3       | 8      | 6     |
| 22 ALCOA                | 76                      | 16.6      | 51      | 0       | 20     | 5     |
| 23 SUN                  | 74                      | 21.2      | 58      | 3       | 0      | 13    |
| 24 CHEVRON              | 69                      | 12.8      | 59      | 3       | 4      | 3     |
| 25 BOEING               | 66                      | 6.2       | 56      | 3       | 5      | 2     |
| 26 ANHEUSER BUSCH       | 63                      | 22.1      | 58      | 1       | 4      | 0     |
| 27 AMOCO                | 56                      | 11.2      | 54      | 2       | 0      | 0     |
| 28 PHILLIPS             | 53                      | 19.1      | 42      | 5       | 0      | 6     |
| 29 EXXON                | 45                      | 3.2       | 39      | 2       | 0      | 4     |
| 30 DUPONT               | 41                      | 2.8       | 37      | 3       | 0      | 1     |
| 31 SHELL                | 41                      | 11.6      | 38      | 3       | 0      | 0     |
| 32 TENNECO              | 38                      | 3.8       | 32      | 0       | 5      | 1     |
| 33 DOW                  | 30                      | 5.4       | 18      | 0       | 12     | 0     |
| 34 PROCTER & GAMBLE     | 29                      | 4.6       | 27      | 0       | 0      | 2     |
| 35 UNITED TECHNOLOGIES  | 29                      | 1.6       | 24      | 0       | 1      | 4     |
| 36 3M                   | 24                      | 2.8       | 24      | 0       | 0      | 0     |
| 37 MOTOROLA             | 22                      | 2.7       | 21      | 0       | 0      | 1     |
| 38 SARA LEE             | 18                      | 2.0       | 18      | 0       | 0      | 0     |
| 39 JOHNSON & JOHNSON    | 17                      | 2.3       | 16      | 0       | 0      | 1     |
| 40 DIGITAL EQUIPMENT    | 15                      | 2.1       | 14      | 0       | 0      | 1     |
| 41 UNOCAL               | 13                      | 7.1       | 13      | 0       | 0      | 0     |
| 42 XEROX                | 8                       | 0.7       | 7       | 0       | 0      | 1     |
| 43 MCDONNELL DOUGLAS    | 6                       | 0.7       | 5       | 0       | 1      | 0     |
| 44 BRISTOL MYERS        | 4                       | 1.1       | 4       | 0       | 0      | 0     |
| 45 EASTMAN KODAK        | 4                       | 0.3       | 3       | 1       | 0      | 0     |
| 46 HEWLETT PACKARD      | 3                       | 0.5       | 3       | 0       | 0      | 0     |
| 47 IBM                  | 2                       | 0.0       | 2       | 0       | 0      | 0     |
| 48 PHILIP MORRIS        | 1                       | 0.1       | 1       | 0       | 0      | 0     |
| 49 OCCIDENTAL PETROLEUM | 0                       | -         | 0       | 0       | 0      | 0     |
| 50 PEPSICO              | 0                       | -         | 0       | 0       | 0      | 0     |
| TOTAL                   | 5605                    |           | 4590    | 172     | 472    | 371   |

TABLE 3. FEDERAL OSHA PENALTIES  
(1977 THROUGH 1990)

| CORPORATION             | FINAL<br>PENALTY | INITIAL<br>PENALTY | PERCENTAGE OF<br>INITIAL<br>PENALTIES PAID |
|-------------------------|------------------|--------------------|--------------------------------------------|
| 1 GENERAL MOTORS        | \$654,499        | \$912,900          | 71.7                                       |
| 2 FORD MOTOR            | 462,085          | 781,735            | 59.1                                       |
| 3 CHRYSLER              | 370,808          | 1,068,642          | 34.7                                       |
| 4 GENERAL DYNAMICS      | 274,685          | 656,610            | 41.8                                       |
| 5 TEXACO                | 229,773          | 416,631            | 55.2                                       |
| 6 GENERAL ELECTRIC      | 199,322          | 324,803            | 61.4                                       |
| 7 INTERNATIONAL PAPER   | 156,418          | 210,630            | 74.3                                       |
| 8 USX                   | 151,855          | 284,500            | 53.4                                       |
| 9 WESTINGHOUSE          | 143,799          | 248,200            | 57.9                                       |
| 10 SHELL                | 130,935          | 273,780            | 47.8                                       |
| 11 GEORGIA PACIFIC      | 114,950          | 150,201            | 76.5                                       |
| 12 CATERPILLAR          | 101,652          | 446,100            | 22.8                                       |
| 13 GOODYEAR             | 67,770           | 95,320             | 71.1                                       |
| 14 WEYERHAEUSER         | 53,830           | 71,841             | 74.9                                       |
| 15 CHEVRON              | 43,330           | 52,680             | 82.3                                       |
| 16 ROCKWELL             | 42,106           | 59,370             | 70.9                                       |
| 17 NABISCO              | 41,005           | 59,280             | 69.2                                       |
| 18 ARCO                 | 38,803           | 143,248            | 27.1                                       |
| 19 ALLIED SIGNAL        | 37,425           | 43,025             | 87.0                                       |
| 20 BOEING               | 36,685           | 44,000             | 83.4                                       |
| 21 LOCKHEED             | 34,356           | 39,480             | 87.0                                       |
| 22 AMOCO                | 34,305           | 47,220             | 72.6                                       |
| 23 UNISYS               | 34,290           | 48,625             | 70.5                                       |
| 24 CONAGRA              | 34,047           | 41,690             | 81.7                                       |
| 25 SUN                  | 33,055           | 51,580             | 64.1                                       |
| 26 MOBIL                | 32,805           | 70,430             | 46.6                                       |
| 27 PHILLIPS             | 31,220           | 74,480             | 41.9                                       |
| 28 DUPONT               | 28,910           | 90,340             | 32.0                                       |
| 29 ALCOA                | 28,651           | 46,975             | 61.0                                       |
| 30 ANHEUSER BUSCH       | 28,120           | 35,065             | 80.2                                       |
| 31 EXXON                | 20,145           | 46,740             | 43.1                                       |
| 32 TENNECO              | 15,120           | 22,395             | 67.5                                       |
| 33 PROCTER & GAMBLE     | 11,730           | 14,370             | 81.6                                       |
| 34 MOTOROLA             | 8,240            | 12,210             | 67.5                                       |
| 35 3M                   | 6,800            | 8,460              | 80.4                                       |
| 36 DIGITAL EQUIPMENT    | 6,750            | 6,750              | 100.0                                      |
| 37 UNOCAL               | 6,710            | 8,780              | 76.4                                       |
| 38 UNITED TECHNOLOGIES  | 6,445            | 15,040             | 42.9                                       |
| 39 JOHNSON & JOHNSON    | 6,290            | 7,780              | 80.8                                       |
| 40 DCW                  | 6,050            | 49,000             | 12.3                                       |
| 41 SARA LEE             | 3,675            | 4,530              | 81.1                                       |
| 42 XEROX                | 3,350            | 3,350              | 100.0                                      |
| 43 EASTMAN KODAK        | 3,150            | 5,340              | 59.0                                       |
| 44 BRISTOL MYERS        | 1,440            | 1,860              | 77.4                                       |
| 45 MCDONNELL DOUGLAS    | 1,295            | 2,890              | 44.8                                       |
| 46 IBM                  | 1,157            | 25,360             | 4.6                                        |
| 47 HEWLETT PACKARD      | 780              | 780                | 100.0                                      |
| 48 PHILIP MORRIS        | 560              | 560                | 100.0                                      |
| 49 OCCIDENTAL PETROLEUM | 0                | 0                  | -                                          |
| 50 PEPSICO              | 0                | 0                  | -                                          |
| TOTAL                   | \$3,781,181      | \$7,125,576        | 53.1                                       |

TABLE 4. NUMBER OF FEDERAL & STATE OSHA CITATIONS  
(1982 THROUGH 1990)

| CORPORATION             | CITATIONS | CITATIONS<br>PER 10,000<br>EMPLOYEES | PERCENTAGE OF<br>CITATIONS WITH<br>PENALTY |
|-------------------------|-----------|--------------------------------------|--------------------------------------------|
| 1 GENERAL ELECTRIC      | 1498      | 42.1                                 | 25.5                                       |
| 2 WEYERHAEUSER          | 1212      | 277.3                                | 34.2                                       |
| 3 WESTINGHOUSE          | 942       | 70.1                                 | 30.7                                       |
| 4 INTERNATIONAL PAPER   | 885       | 201.1                                | 40.1                                       |
| 5 GENERAL DYNAMICS      | 818       | 91.8                                 | 33.1                                       |
| 6 GEORGIA PACIFIC       | 810       | 197.6                                | 31.0                                       |
| 7 GENERAL MOTORS        | 745       | 9.6                                  | 35.2                                       |
| 8 GOODYEAR              | 733       | 54.6                                 | 23.6                                       |
| 9 FORD MOTOR            | 544       | 13.2                                 | 44.5                                       |
| 10 CATERPILLAR          | 390       | 55.5                                 | 30.0                                       |
| 11 ROCKWELL             | 338       | 30.3                                 | 29.0                                       |
| 12 CHRYSLER             | 337       | 26.3                                 | 46.6                                       |
| 13 NABISCO              | 308       | 25.2                                 | 27.9                                       |
| 14 ARCO                 | 289       | 70.5                                 | 29.8                                       |
| 15 BOEING               | 236       | 22.2                                 | 22.9                                       |
| 16 USX                  | 233       | 20.6                                 | 53.6                                       |
| 17 LOCKHEED             | 212       | 28.2                                 | 28.3                                       |
| 18 AMOCO                | 201       | 40.2                                 | 20.9                                       |
| 19 UNITED TECHNOLOGIES  | 196       | 10.8                                 | 23.5                                       |
| 20 MOBIL                | 176       | 10.3                                 | 44.3                                       |
| 21 CONAGRA              | 171       | 60.0                                 | 36.3                                       |
| 22 ALLIED SIGNAL        | 156       | 13.4                                 | 37.8                                       |
| 23 CHEVRON              | 155       | 28.8                                 | 17.4                                       |
| 24 EXXON                | 150       | 10.7                                 | 22.7                                       |
| 25 UNISYS               | 149       | 11.7                                 | 22.1                                       |
| 26 3M                   | 147       | 17.3                                 | 21.1                                       |
| 27 ALCOA                | 134       | 29.3                                 | 29.1                                       |
| 28 TEXACO               | 107       | 17.7                                 | 34.6                                       |
| 29 ANHEUSER BUSCH       | 88        | 30.9                                 | 28.4                                       |
| 30 DUPONT               | 87        | 5.9                                  | 21.8                                       |
| 31 PHILLIPS PETROLEUM   | 79        | 28.4                                 | 31.6                                       |
| 32 PROCTER & GAMBLE     | 65        | 10.4                                 | 27.7                                       |
| 33 SARA LEE             | 64        | 7.0                                  | 34.4                                       |
| 34 SUN                  | 56        | 16.0                                 | 35.7                                       |
| 35 DOW                  | 49        | 8.9                                  | 42.9                                       |
| 36 SHELL                | 48        | 13.6                                 | 47.9                                       |
| 37 UNOCAL               | 44        | 24.0                                 | 29.5                                       |
| 38 DIGITAL EQUIPMENT    | 44        | 6.2                                  | 29.5                                       |
| 39 XEROX                | 38        | 3.4                                  | 10.5                                       |
| 40 MOTOROLA             | 35        | 4.3                                  | 28.6                                       |
| 41 MCDONNELL DOUGLAS    | 33        | 3.8                                  | 18.2                                       |
| 42 JOHNSON & JOHNSON    | 30        | 4.1                                  | 23.3                                       |
| 43 PHILIP MORRIS        | 24        | 2.9                                  | 12.5                                       |
| 44 IBM                  | 15        | 0.4                                  | 6.7                                        |
| 45 HEWLETT PACKARD      | 14        | 2.1                                  | 0.0                                        |
| 46 EASTMAN KODAK        | 12        | 0.9                                  | 16.7                                       |
| 47 TENNECO              | 10        | 1.0                                  | 20.0                                       |
| 48 BRISTOL MYERS        | 9         | 2.5                                  | 22.2                                       |
| 49 OCCIDENTAL PETROLEUM | 0         | -                                    | -                                          |
| 50 PEPSICO              | 0         | -                                    | -                                          |
| TOTAL                   | 13116     |                                      | 31.6                                       |

TABLE 5. NUMBER OF FEDERAL & STATE OSHA PENALTIES  
(1982 THROUGH 1990)

| CORPORATION             | TOTAL<br>PENALTIES | PENALTIES<br>PER 10,000<br>EMPLOYEES | SERIOUS | WILLFUL | REPEAT | OTHER |
|-------------------------|--------------------|--------------------------------------|---------|---------|--------|-------|
| 1 WEYERHAEUSER          | 415                | 95.0                                 | 297     | 0       | 66     | 52    |
| 2 GENERAL ELECTRIC      | 382                | 10.7                                 | 342     | 10      | 17     | 13    |
| 3 INTERNATIONAL PAPER   | 355                | 80.7                                 | 312     | 9       | 27     | 7     |
| 4 WESTINGHOUSE          | 289                | 21.5                                 | 258     | 2       | 17     | 12    |
| 5 GENERAL DYNAMICS      | 271                | 30.4                                 | 157     | 7       | 36     | 71    |
| 6 GENERAL MOTORS        | 262                | 3.4                                  | 219     | 19      | 21     | 3     |
| 7 GEORGIA PACIFIC       | 251                | 61.2                                 | 206     | 7       | 13     | 25    |
| 8 FORD MOTOR            | 242                | 5.9                                  | 205     | 16      | 7      | 14    |
| 9 GOODYEAR              | 173                | 12.9                                 | 163     | 0       | 8      | 2     |
| 10 CHRYSLER             | 157                | 12.2                                 | 119     | 19      | 15     | 4     |
| 11 USX                  | 125                | 11.0                                 | 92      | 15      | 16     | 2     |
| 12 CATERPILLAR          | 117                | 16.6                                 | 87      | 4       | 21     | 5     |
| 13 ROCKWELL             | 98                 | 8.8                                  | 94      | 0       | 3      | 1     |
| 14 NABISCO              | 86                 | 7.0                                  | 80      | 0       | 6      | 0     |
| 15 ARCO                 | 86                 | 21.0                                 | 75      | 0       | 5      | 6     |
| 16 MOBIL                | 78                 | 4.6                                  | 60      | 0       | 2      | 16    |
| 17 CCNAGRA              | 62                 | 21.8                                 | 56      | 0       | 3      | 3     |
| 18 LOCKHEED             | 60                 | 8.0                                  | 55      | 0       | 3      | 2     |
| 19 ALLIED SIGNAL        | 59                 | 5.1                                  | 46      | 0       | 3      | 10    |
| 20 BOEING               | 54                 | 5.1                                  | 43      | 2       | 2      | 7     |
| 21 UNITED TECHNOLOGIES  | 46                 | 2.5                                  | 37      | 0       | 5      | 4     |
| 22 AMOCO                | 42                 | 8.4                                  | 41      | 0       | 0      | 1     |
| 23 ALCOA                | 39                 | 8.5                                  | 32      | 0       | 4      | 3     |
| 24 TEXACO               | 37                 | 6.1                                  | 35      | 0       | 0      | 2     |
| 25 EXXON                | 34                 | 2.4                                  | 28      | 2       | 0      | 4     |
| 26 UNISYS               | 33                 | 2.6                                  | 32      | 0       | 1      | 0     |
| 27 3M                   | 31                 | 3.6                                  | 25      | 0       | 4      | 2     |
| 28 CHEVRON              | 27                 | 5.0                                  | 23      | 1       | 1      | 2     |
| 29 PHILLIPS PETROLEUM   | 25                 | 9.0                                  | 23      | 2       | 0      | 0     |
| 30 ANHEUSER BUSCH       | 25                 | 8.8                                  | 24      | 1       | 0      | 0     |
| 31 SHELL                | 23                 | 6.5                                  | 21      | 2       | 0      | 0     |
| 32 SARA LEE             | 22                 | 2.4                                  | 22      | 0       | 0      | 0     |
| 33 DCW                  | 21                 | 3.8                                  | 13      | 0       | 8      | 0     |
| 34 SUN                  | 20                 | 5.7                                  | 18      | 2       | 0      | 0     |
| 35 DUPONT               | 19                 | 1.3                                  | 15      | 3       | 0      | 1     |
| 36 PROCTER & GAMBLE     | 18                 | 2.9                                  | 17      | 0       | 0      | 1     |
| 37 UNOCAL               | 13                 | 7.1                                  | 13      | 0       | 0      | 0     |
| 38 DIGITAL EQUIPMENT    | 13                 | 1.8                                  | 13      | 0       | 0      | 0     |
| 39 MOTOROLA             | 10                 | 1.2                                  | 9       | 0       | 0      | 1     |
| 40 JOHNSON & JOHNSON    | 7                  | .9                                   | 6       | 0       | 0      | 1     |
| 41 MCDONNELL DOUGLAS    | 6                  | .7                                   | 5       | 0       | 1      | 0     |
| 42 XEROX                | 4                  | .4                                   | 3       | 0       | 0      | 1     |
| 43 PHILIP MORRIS        | 3                  | .4                                   | 3       | 0       | 0      | 0     |
| 44 TENNECO              | 2                  | .2                                   | 2       | 0       | 0      | 0     |
| 45 EASTMAN KODAK        | 2                  | .2                                   | 2       | 0       | 0      | 0     |
| 46 BRISTOL MYERS        | 2                  | .6                                   | 2       | 0       | 0      | 0     |
| 47 IBM                  | 1                  | .0                                   | 1       | 0       | 0      | 0     |
| 48 HEWLETT PACKARD      | 0                  | 0.0                                  | 0       | 0       | 0      | 0     |
| 49 OCCIDENTAL PETROLEUM | 0                  | -                                    | 0       | 0       | 0      | 0     |
| 50 PEPSICO              | 0                  | -                                    | 0       | 0       | 0      | 0     |
| TOTAL                   | 4147               |                                      | 3431    | 123     | 315    | 278   |

TABLE 6. FEDERAL & STATE OSHA PENALTIES  
(1982 THROUGH 1990)

| CORPORATION             | FINAL<br>PENALTY | INITIAL<br>PENALTY | PERCENTAGE OF<br>INITIAL<br>PENALTIES PAID |
|-------------------------|------------------|--------------------|--------------------------------------------|
| 1 GENERAL MOTORS        | \$609,004        | \$796,480          | 76.5                                       |
| 2 FORD MOTOR            | 428,784          | 716,657            | 59.8                                       |
| 3 CHRYSLER              | 388,657          | 1,073,842          | 36.2                                       |
| 4 GENERAL DYNAMICS      | 229,840          | 375,945            | 61.1                                       |
| 5 USX                   | 155,540          | 290,080            | 53.6                                       |
| 6 GENERAL ELECTRIC      | 151,003          | 253,344            | 59.6                                       |
| 7 INTERNATIONAL PAPER   | 138,887          | 182,795            | 76.0                                       |
| 8 SHELL                 | 114,365          | 256,790            | 44.5                                       |
| 9 WESTINGHOUSE          | 104,727          | 197,078            | 53.1                                       |
| 10 GEORGIA PACIFIC      | 103,221          | 132,986            | 77.6                                       |
| 11 WEYERHAEUSER         | 98,329           | 119,878            | 82.0                                       |
| 12 GOODYEAR             | 55,615           | 71,315             | 78.0                                       |
| 13 CATERPILLAR          | 52,762           | 372,665            | 14.2                                       |
| 14 ARCO                 | 28,820           | 53,615             | 53.8                                       |
| 15 NABISCO              | 27,070           | 37,015             | 73.1                                       |
| 16 ROCKWELL             | 26,390           | 44,880             | 58.8                                       |
| 17 BOEING               | 24,490           | 31,505             | 77.7                                       |
| 18 TEXACO               | 23,773           | 32,651             | 72.8                                       |
| 19 MOBIL                | 21,377           | 57,135             | 37.4                                       |
| 20 ALLIED SIGNAL        | 20,990           | 25,150             | 83.5                                       |
| 21 DUPONT               | 19,120           | 77,580             | 24.6                                       |
| 22 ANHEUSER BUSCH       | 18,960           | 21,700             | 87.4                                       |
| 23 LOCKHEED             | 18,150           | 23,580             | 77.0                                       |
| 24 EXXON                | 17,230           | 39,630             | 43.5                                       |
| 25 ALCOA                | 16,471           | 28,620             | 57.6                                       |
| 26 CONAGRA              | 15,247           | 28,005             | 54.4                                       |
| 27 AMOCO                | 14,690           | 22,930             | 64.1                                       |
| 28 PHILLIPS PETROLEUM   | 13,780           | 34,230             | 40.3                                       |
| 29 SUN                  | 11,420           | 25,320             | 45.1                                       |
| 30 CHEVRON              | 10,990           | 16,950             | 64.8                                       |
| 31 UNITED TECHNOLOGIES  | 10,355           | 20,880             | 49.6                                       |
| 32 3M                   | 8,752            | 12,092             | 72.4                                       |
| 33 PROCTER & GAMBLE     | 7,070            | 9,470              | 74.7                                       |
| 34 UNOCAL               | 6,710            | 8,780              | 76.4                                       |
| 35 UNISYS               | 5,997            | 9,372              | 64.0                                       |
| 36 DIGITAL EQUIPMENT    | 5,990            | 5,990              | 100.0                                      |
| 37 SARA LEE             | 4,915            | 6,530              | 75.3                                       |
| 38 DOW                  | 4,290            | 5,060              | 84.8                                       |
| 39 MOTOROLA             | 4,270            | 8,240              | 51.8                                       |
| 40 JOHNSON & JOHNSON    | 2,220            | 3,710              | 59.8                                       |
| 41 PHILIP MORRIS        | 1,700            | 2,280              | 74.6                                       |
| 42 MCDONNELL DOUGLAS    | 1,295            | 2,890              | 44.8                                       |
| 43 XEROX                | 1,180            | 1,180              | 100.0                                      |
| 44 EASTMAN KODAK        | 670              | 540                | 124.1                                      |
| 45 TENNECO              | 560              | 160                | 350.0                                      |
| 46 IBM                  | 437              | 24,640             | 1.8                                        |
| 47 BRISTOL MYERS        | 420              | 840                | 50.0                                       |
| 48 HEWLETT PACKARD      | 0                | 0                  | 0.0                                        |
| 49 OCCIDENTAL PETROLEUM | 0                | 0                  | -                                          |
| 50 PEPSICO              | 0                | 0                  | -                                          |
| TOTAL                   | \$3,026,533      | \$5,563,005        | 54.4                                       |

**TABLE 7. STATE OSHA CITATIONS & PENALTIES  
(1982 THROUGH 1990)**

| <u>STATE</u>     | <u>CITATIONS</u> | <u>PENALTIES</u> | <u>SERIOUS</u> | <u>WILLFUL</u> | <u>REPEAT</u> | <u>OTHER</u> |
|------------------|------------------|------------------|----------------|----------------|---------------|--------------|
| 1 OREGON         | 1298             | 490              | 326            | 0              | 83            | 81           |
| 2 KENTUCKY       | 392              | 80               | 76             | 0              | 3             | 1            |
| 3 INDIANA        | 346              | 128              | 117            | 0              | 10            | 1            |
| 4 MINNESOTA      | 245              | 53               | 36             | 0              | 0             | 17           |
| 5 NORTH CAROLINA | 239              | 39               | 34             | 0              | 2             | 3            |
| 6 VIRGINIA       | 215              | 46               | 44             | 0              | 2             | 0            |
| 7 SOUTH CAROLINA | 211              | 65               | 58             | 0              | 6             | 1            |
| 8 HAWAII         | 148              | 5                | 5              | 0              | 0             | 0            |
| 9 UTAH           | 148              | 1                | 1              | 0              | 0             | 0            |
| 10 VERMONT       | 147              | 10               | 8              | 0              | 1             | 1            |
| 11 TENNESSEE     | 133              | 31               | 30             | 0              | 1             | 0            |
| 12 WYOMING       | 116              | 8                | 7              | 0              | 0             | 1            |
| 13 MARYLAND      | 105              | 31               | 24             | 0              | 3             | 4            |
| 14 IOWA          | 100              | 30               | 28             | 0              | 2             | 0            |
| 15 ALASKA        | 23               | 8                | 5              | 0              | 1             | 2            |
| 16 NEW MEXICO    | 15               | 4                | 4              | 0              | 0             | 0            |
| 17 NEVADA        | 11               | 1                | 1              | 0              | 0             | 0            |
| 18 ARIZONA       | 5                | 1                | 1              | 0              | 0             | 0            |
| <b>TOTAL</b>     | <b>3897</b>      | <b>1031</b>      | <b>805</b>     | <b>0</b>       | <b>114</b>    | <b>112</b>   |

**TABLE 8. STATE OSHA PENALTIES  
(1982 THROUGH 1990)**

| <u>STATE</u>     | <u>FINAL<br/>PENALTY</u> | <u>INITIAL<br/>PENALTY</u> |
|------------------|--------------------------|----------------------------|
| 1 OREGON         | \$101,515                | \$107,520                  |
| 2 INDIANA        | 84,325                   | 105,070                    |
| 3 KENTUCKY       | 28,289                   | 32,810                     |
| 4 SOUTH CAROLINA | 24,932                   | 32,170                     |
| 5 VIRGINIA       | 21,525                   | 31,960                     |
| 6 NORTH CAROLINA | 15,290                   | 15,649                     |
| 7 IOWA           | 13,042                   | 17,830                     |
| 8 TENNESSEE      | 12,045                   | 12,485                     |
| 9 MARYLAND       | 11,165                   | 18,610                     |
| 10 MINNESOTA     | 8,751                    | 9,039                      |
| 11 WYOMING       | 2,360                    | 3,420                      |
| 12 ALASKA        | 2,290                    | 2,880                      |
| 13 VERMONT       | 2,010                    | 3,210                      |
| 14 NEW MEXICO    | 1,320                    | 1,320                      |
| 15 HAWAII        | 1,130                    | 1,130                      |
| 16 UTAH          | 360                      | 360                        |
| 17 NEVADA        | 210                      | 210                        |
| 18 ARIZONA       | 100                      | 150                        |
| <b>TOTAL</b>     | <b>\$330,659</b>         | <b>\$395,823</b>           |

**TABLE 9. NUMBER OF FEDERAL & STATE OSHA CITATIONS & PENALTIES ISSUED AGAINST UNION & NON-UNION FACILITIES (1982 THROUGH 1990)**

UNION

CITATIONS: 10,514  
 PENALTIES: 3,550  
 PERCENTAGE OF CITATIONS WITH PENALTY: 33.8 PERCENT

NON-UNION

CITATIONS: 2,602  
 PENALTIES: 597  
 PERCENTAGE OF CITATIONS WITH PENALTY: 22.9 PERCENT

**TABLE 10. NUMBER OF FEDERAL OSHA CITATIONS & PENALTIES ISSUED AGAINST UNION & NON-UNION FACILITIES (1982 THROUGH 1990)**

UNION

CITATIONS: 7,667  
 PENALTIES: 2,724  
 PERCENTAGE OF CITATIONS WITH PENALTY: 35.5 PERCENT

NON-UNION

CITATIONS: 1,552  
 PENALTIES: 392  
 PERCENTAGE OF CITATIONS WITH PENALTY: 25.2 PERCENT

**TABLE 11. NUMBER OF FEDERAL OSHA CITATIONS & PENALTIES ISSUED AGAINST UNION & NON-UNION FACILITIES (1977 THROUGH 1990)**

UNION

CITATIONS: 14,185  
 PENALTIES: 4,860  
 PERCENTAGE OF CITATIONS WITH PENALTY: 34.3 PERCENT

NON-UNION

CITATIONS: 3,133  
 PENALTIES: 745  
 PERCENTAGE OF CITATIONS WITH PENALTY: 23.8 PERCENT

**TABLE 12. INITIAL & FINAL PENALTIES ISSUED BY FEDERAL & STATE OSHA AGAINST UNION & NON-UNION FACILITIES (1982 THROUGH 1990)**

UNION

FINAL PENALTY: \$2,829,112  
INITIAL PENALTY: \$5,266,507  
PERCENTAGE OF INITIAL PENALTY PAID: 53.7 PERCENT

NON-UNION

FINAL PENALTY: \$197,421  
INITIAL PENALTY: \$296,498  
PERCENTAGE OF INITIAL PENALTY PAID: 66.6 PERCENT

**TABLE 13. INITIAL & FINAL PENALTIES ISSUED BY FEDERAL OSHA AGAINST UNION & NON-UNION FACILITIES (1982 THROUGH 1990)**

UNION

FINAL PENALTY: \$2,556,734  
INITIAL PENALTY: \$4,944,531  
PERCENTAGE OF INITIAL PENALTY PAID: 51.7

NON-UNION

FINAL PENALTY: \$139,140  
INITIAL PENALTY: \$222,651  
PERCENTAGE OF INITIAL PENALTY PAID: 62.5

**TABLE 14. INITIAL & FINAL PENALTIES ISSUED BY FEDERAL OSHA AGAINST UNION & NON-UNION FACILITIES (1977 THROUGH 1990)**

UNION

FINAL PENALTY: \$3,512,964  
INITIAL PENALTY: \$6,681,265  
PERCENTAGE OF INITIAL PENALTY PAID: 52.6 PERCENT

NON-UNION

FINAL PENALTY: \$268,217  
INITIAL PENALTY: \$444,311  
PERCENTAGE OF INITIAL PENALTY PAID: 60.4 PERCENT

TABLE 15. NUMBER OF FATALITIES & INJURIES  
RECORDED BY FEDERAL OSHA  
(1977 THROUGH 1990)

| <u>CORPORATION</u>      | <u>FATALITIES<br/>PLUS INJURIES</u> | <u>FATALITIES</u> | <u>INJURIES</u> |
|-------------------------|-------------------------------------|-------------------|-----------------|
| 1 PHILLIPS PETROLEUM    | 122                                 | 16                | 106             |
| 2 GOODYEAR              | 96                                  | 18                | 78              |
| 3 TEXACO                | 80                                  | 31                | 49              |
| 4 MOTOROLA              | 70                                  | 1                 | 69              |
| 5 INTERNATIONAL PAPER   | 54                                  | 29                | 25              |
| 6 SHELL                 | 54                                  | 18                | 36              |
| 7 CATERPILLAR           | 49                                  | 4                 | 45              |
| 8 GEORGIA PACIFIC       | 48                                  | 24                | 24              |
| 9 GENERAL MOTORS        | 43                                  | 19                | 24              |
| 10 ALLIED SIGNAL        | 43                                  | 10                | 33              |
| 11 FORD                 | 42                                  | 19                | 23              |
| 12 AMOCO                | 40                                  | 20                | 20              |
| 13 WEYERHAEUSER         | 40                                  | 11                | 29              |
| 14 SUN                  | 33                                  | 10                | 23              |
| 15 GENERAL ELECTRIC     | 31                                  | 24                | 7               |
| 16 DUPONT               | 28                                  | 10                | 18              |
| 17 MOBIL                | 25                                  | 16                | 9               |
| 18 WESTINGHOUSE         | 23                                  | 19                | 4               |
| 19 GENERAL DYNAMICS     | 21                                  | 10                | 11              |
| 20 TENNECO              | 19                                  | 4                 | 15              |
| 21 DOW                  | 18                                  | 10                | 8               |
| 22 EXXON                | 15                                  | 9                 | 6               |
| 23 ARCO                 | 15                                  | 9                 | 6               |
| 24 ALCOA                | 14                                  | 6                 | 8               |
| 25 LOCKHEED             | 13                                  | 8                 | 5               |
| 26 UNISYS               | 13                                  | 2                 | 11              |
| 27 CHEVRON              | 12                                  | 11                | 1               |
| 28 ROCKWELL             | 11                                  | 8                 | 3               |
| 29 NABISCO              | 11                                  | 6                 | 5               |
| 30 ANHEUSER BUSCH       | 11                                  | 3                 | 8               |
| 31 USX                  | 9                                   | 9                 | 0               |
| 32 CHRYSLER             | 8                                   | 8                 | 0               |
| 33 PROCTER & GAMBLE     | 7                                   | 5                 | 2               |
| 34 JOHNSON & JOHNSON    | 7                                   | 3                 | 4               |
| 35 UNOCAL               | 5                                   | 1                 | 4               |
| 36 IBM                  | 2                                   | 2                 | 0               |
| 37 BOEING               | 2                                   | 2                 | 0               |
| 38 3M                   | 2                                   | 0                 | 2               |
| 39 MCDONNELL DOUGLAS    | 1                                   | 1                 | 0               |
| 40 DIGITAL EQUIPMENT    | 1                                   | 1                 | 0               |
| 41 CONAGRA              | 1                                   | 1                 | 0               |
| 42 UNITED TECHNOLOGIES  | 1                                   | 0                 | 1               |
| 43 SARA LEE             | 1                                   | 0                 | 1               |
| 44 BRISTOL MYERS        | 0                                   | 0                 | 0               |
| 45 EASTMAN KODAK        | 0                                   | 0                 | 0               |
| 46 HEWLETT PACKARD      | 0                                   | 0                 | 0               |
| 47 OCCIDENTAL PETROLEUM | 0                                   | 0                 | 0               |
| 48 PEPSICO              | 0                                   | 0                 | 0               |
| 49 PHILIP MORRIS        | 0                                   | 0                 | 0               |
| 50 XEROX                | 0                                   | 0                 | 0               |
| TOTAL                   | 1141                                | 418               | 723             |

Figure 1. Federal OSHA Citations & Penalties  
(Top 50 Corporations)

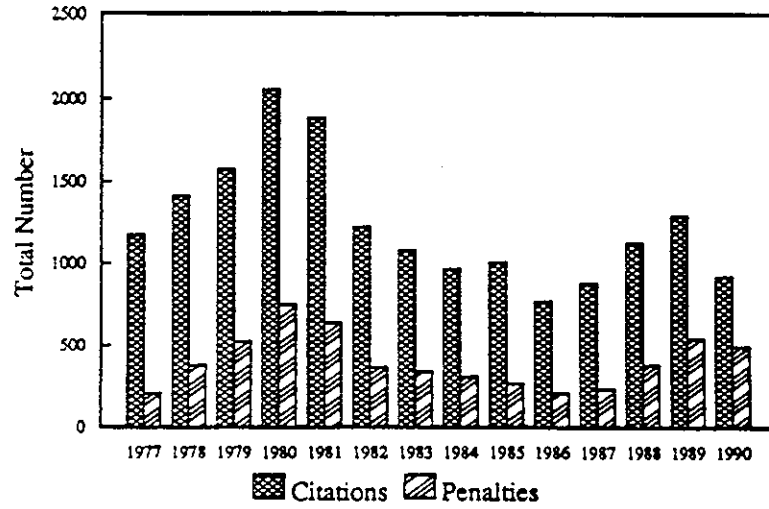


Figure 2. Federal OSHA Penalty Ranges  
(Top 50 Corporations)

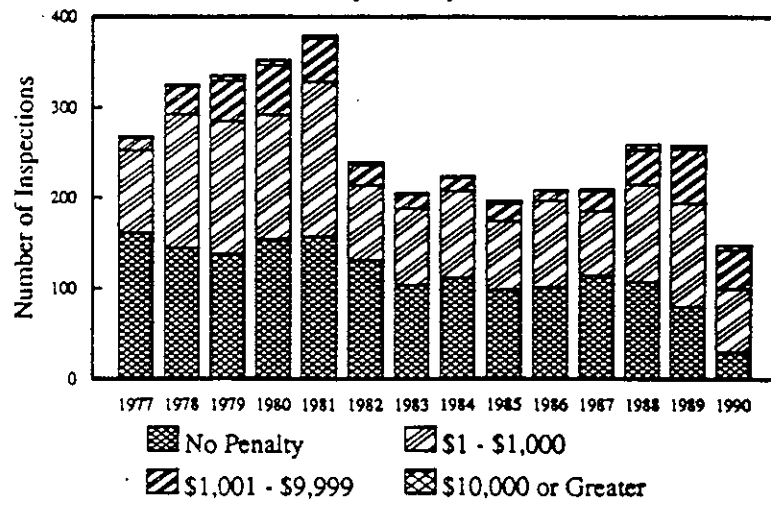


Figure 3. State OSHA Citations & Penalties  
(Top 50 Corporations)

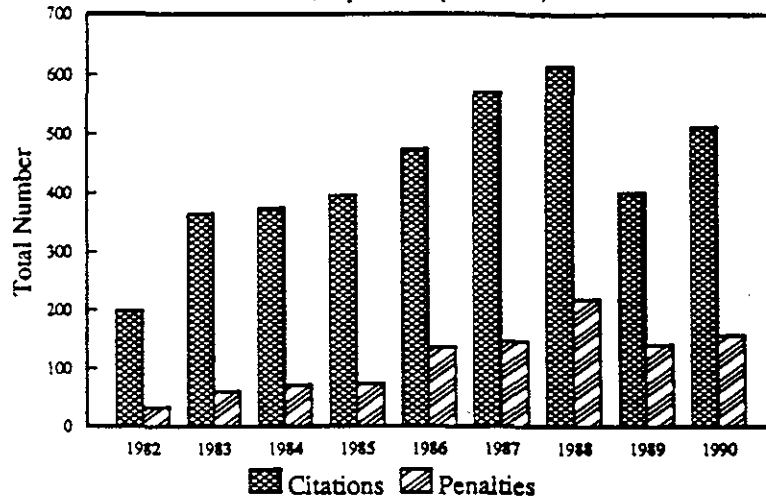


Figure 4. State OSHA Penalty Ranges  
(Top 50 Corporations)

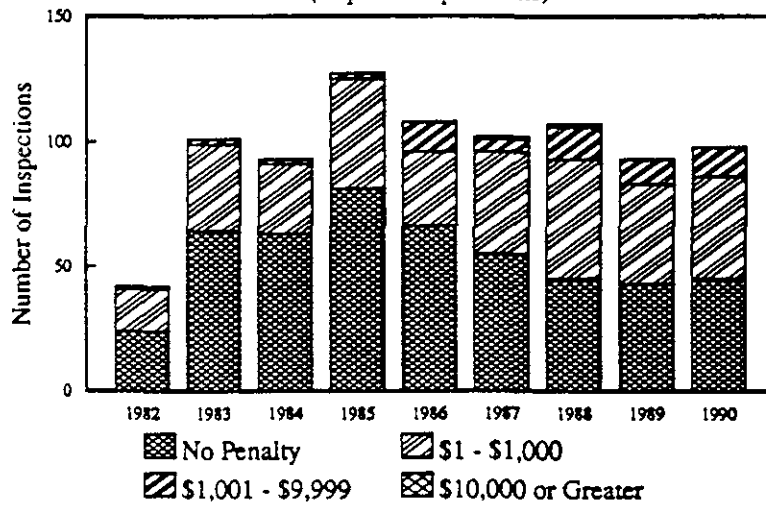


Figure 5. Federal OSHA Penalties  
(Top 50 Corporations)

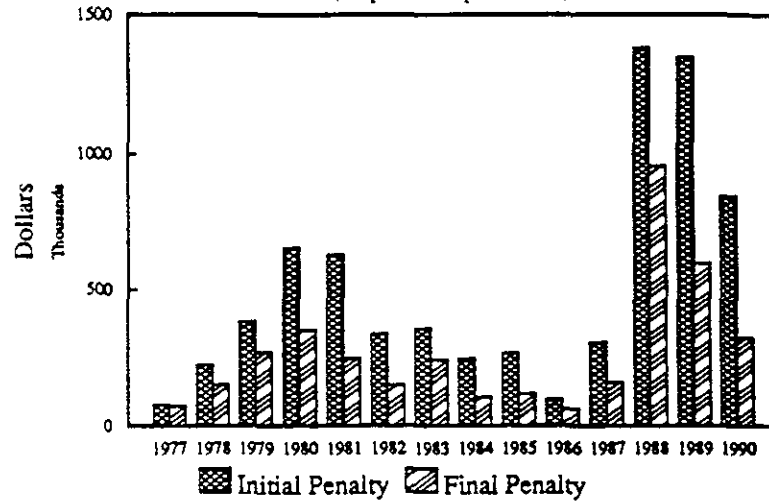


Figure 6. State OSHA Penalties  
(Top 50 Corporations)

