

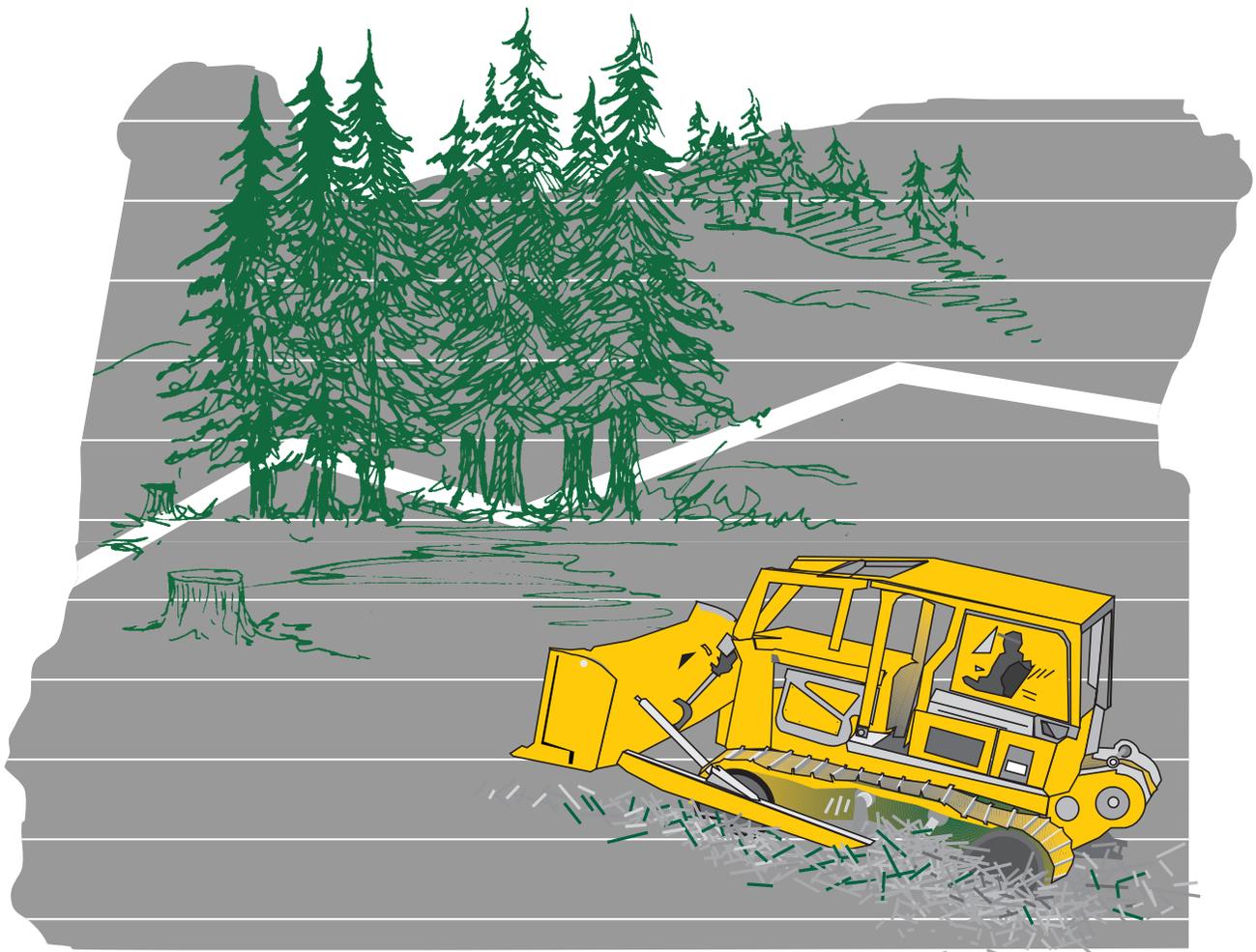
Occupational Safety and Health Division

Statistical Report

Federal Fiscal Year 1997



Research & Analysis Section
Oregon Department of Consumer
& Business Services



October 1998

Occupational Safety and Health Division
Statistical Report
Federal Fiscal Year 1997

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October 1998

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Introduction

The Occupational Safety and Health Division (OR-OSHA) is part of the Oregon Department of Consumer & Business Services, formerly the Oregon Department of Insurance & Finance. OR-OSHA encourages safe and healthful working conditions for Oregon workers. The division promulgates and enforces occupational safety and health regulations, and provides consultation, training, and assistance to employees and employers. This report covers only the division's enforcement activities.

OR-OSHA compliance officers work to reduce and eliminate occupational safety and health hazards in the workplace by enforcing the Oregon Safe Employment Act (OSEA). The 1973 law gives the department full responsibility for the administration and enforcement of the Federal Occupational Safety and Health Act of 1970. By conducting on-site inspections of workplaces, OR-OSHA compliance officers can determine if safety and health hazards exist and aid labor and management in reducing these hazards.

The division requires compliance with appropriate state and federal safety and health standards, assesses penalties for violations of these standards, prescribes a time period in which the employer is required to eliminate hazards, and assists employers in finding acceptable ways of correcting hazards.

This statistical report provides information about the number and kinds of inspections done, as well as violations found, citations issued, and penalties assessed and collected. It covers federal fiscal years 1988 through 1997. (A federal fiscal year runs from October 1 to September 30.) Information on inspections is presented first, followed by data on citations, violations, and penalties.

1997 Legislative and Administrative Changes Affecting Oregon Occupational Safety and Health Division

Senate Bill 38. Effective October 4, 1997. Transferred authority from the Bureau of Labor & Industries to the Department of Consumer and Business Services for enforcement of the law requiring seven days of housing to be provided by farmworker camp operators in the event of camp closure by a government agency.

Senate Bill 135. Effective October 4, 1997. Abolished the State Advisory Council on Occupational Safety and Health (SACOSH). SACOSH was originally established to assist the Director of DCBS in the effective development of occupational safety and health policies and programs. OR-OSHA's extensive use of external and internal committees in establishing these policies and programs eliminated the need for this advisory council.

OR-OSHA Administrative Order 5-1996. Effective November 29, 1996. Adoption of federal amendments to the asbestos standard in Construction and Maritime Activities, for the purpose of clarifying various provisions and correcting typographical errors. Also adopted amendments to correct typographical errors and clarify portions of the Confined and Enclosed Spaces and Other Dangerous Atmospheres in Shipyard Employment standard in Maritime Activities.

OR-OSHA Administrative Order 6-1996. Effective November 29, 1996. Adoption of further federal corrections and clarifications to certain provisions of the asbestos standard in General Industry, Construction and Shipyard Work.

OR-OSHA Administrative Order 1-1997. Effective February 1, 1997. Adoption of specific administrative rules to administer the Farmworker Tax Credit Program for calendar year 1997 and future years.

OR-OSHA Administrative Order 2-1997. Effective March 12, 1997. Adoption of federal revisions to rules in the Construction standard which regulate the design, construction and use of scaffolds. Revisions updated existing scaffold standards, set performance-oriented criteria to protect employees from scaffold-related hazards, addressed types of scaffolds not previously covered, gave employers greater fall protection flexibility, and simplified the language

of the rule. The Oregon-initiated rule 437-003-0070 was repealed to avoid duplicative language, and three new Oregon-initiated rules were enacted which instruct employers to follow instructions and recommendations of the manufacturer regarding work platforms.

OR-OSHA Administrative Order 3-1997. Effective March 28, 1997. Adoption of federal technical amendments and corrections to the Personal Protective Equipment (PPE) standard in General Industry and Shipyard Employment. Includes reorganization and simplification of shipyard employment PPE standards.

OR-OSHA Administrative Order 4-1997. Effective April 2, 1997. Adoption of federal corrections and technical amendments to numerous standards in General Industry, Construction and Maritime Activities. Consolidated 13 similar standards for carcinogenic chemicals into a single rule in General Industry and Maritime Activities.

OR-OSHA Administrative Order 5-1997. Effective April 22, 1997. Adoption of federal amendments and corrections to the air contaminants standard in General Industry and Maritime Activities. Corrected clerical errors, added language to clarify requirements, and adopted federal permissible limits for zinc oxide total particulates, zinc oxide respirable dust, and soluble nickel compounds.

OR-OSHA Administrative Order 6-1997. Effective May 2, 1997. Adoption of federal amendments to standards in General Industry, Construction and Maritime Activities that regulate exposure to 1,3-Butadiene and Methylene Chloride, providing higher levels of protection for employees.

OR-OSHA Administrative Order 7-1997. Effective September 15, 1997. Removed non-mandatory Appendix E from the fall protection standard in Construction, for the purpose of eliminating confusion about sample fall protection plans contained in the appendix. Replaced the appendix with a guide for evaluating when fall protection plans would be acceptable.

Highlights – 1997 Safety and Health Inspections

Safety

- ◆ 4,051 safety inspections were conducted during federal fiscal year 1997: 2,030 in general industries (50.1 percent), 1,761 in construction (43.5 percent), and 260 in logging (6.4 percent) (p.5).
- ◆ 76.1 percent of the safety inspections were scheduled inspections. (p.5)
- ◆ 32 safety inspections were conducted in farm labor camps and 14 were field sanitation inspections. (p.5)
- ◆ In 26.6 percent of the 1997 safety inspections conducted, the employers were in compliance, with no violations found. (p.8)
- ◆ 8,883 safety violations were cited in 1997: 3,551 serious, 301 repeat, 26 willful, and 5,005 other. (p.8)
- ◆ 2,903 safety citations were issued. (p.8)
- ◆ Manufacturing had the greatest number of safety violations with 1,153 serious, 139 repeat, one willful, and 1,572 other. (p.9)
- ◆ Violations of codes (03/M) related to floor and wall openings in construction ranked first as the division of safety standards most often cited for serious violations. Violations of machinery & machine guarding codes (02/O) ranked first for repeat violations. (p.9)
- ◆ Proposed penalties for safety violations totaled \$3,666,105, up 35.2 percent from 1996: \$1,490,650 for serious violations, \$431,700 for repeat violations, \$1,635,000 for willful violations, and \$108,755 for other violations. In addition, proposed penalties for failing to abate safety violations were \$23,400, about 12 percent of the 1996 total of \$200,125. (pp.9-10)

Health

- ◆ 512 health inspections were conducted in 1997: 176 in manufacturing (34.4 percent), 92 in construction (18.0 percent), 19 in agriculture, forestry, and fishing (3.7 percent), and 225 in all other industries (43.9 percent). (p.6)
- ◆ Three health inspections were conducted in farm labor camps in 1997. (p.6)
- ◆ 14.3 percent of the health inspections were scheduled inspections. 69.5 percent were in response to a complaint or referral. (p.6)
- ◆ In 30.0 percent of the 1997 health inspections conducted, the employers were in compliance and had no violations. (p.10)
- ◆ The number of health violations cited went up 19.2 percent from 1996 to 1,474: 688 serious, 18 repeat, 0 willful, and 768 other. 348 health citations were issued, up 3.3 percent from 1996. (pp.10-11)
- ◆ Violations of toxic and hazardous substances codes (02/Z) ranked first as the health standard most often cited. (p.11)
- ◆ Proposed penalties for health violations totaled \$253,575, up 15.9 percent from 1996: \$235,585 for serious violations, \$7,660 for repeat violations, \$0 for willful violations, and \$10,330 for other violations. In addition, proposed penalties for failing to abate health violations were \$7,700, down 68.8 percent from \$24,685 in 1996. (p.12)

Inspections

In 1997, up to 61 safety and 25 health compliance officers worked out of five field offices and the central OR-OSHA office to inspect 4,563 workplaces. About 88.8 percent (4,051) of those inspections were done by safety officers, looking for compliance with occupational safety standards, such as those covering machinery and machine guarding, construction, personal protective equipment, and fire protection. The remaining 512 inspections focused on health standards, such as those for asbestos, water and sanitation, and hazard communication. The number of employees covered by such safety and health inspections totaled 182,201 in 1997, representing 11.8 percent of the estimated 1,549,600 Oregon workers covered by the Workers' Compensation Law (see Table 1).

Inspections are conducted for different reasons. The majority of inspections are **scheduled** on priori-

tized lists created through the use of the most current injury and employment data available. An inspection may also be done in response to a valid **complaint** about an existing hazardous condition or in response to a **referral** from another agency. When an inspection is completed in which hazards have been cited and the employer is given a specific period in which to comply, a **follow-up** inspection may be conducted to assure that the hazards have been abated. An inspection may also be done when there is a job **fatality** or **catastrophe**. Finally, an **unprogrammed related** inspection of an employer at a multi-employer worksite may be done if the employer is not identified in the complaint, referral, etc., which initiated the inspection; for example, if one employer at a construction site is inspected due to a complaint, and another employer working at the site is also inspected, the second is unprogrammed related.

Table 1. Oregon OSHA compliance officers and inspection coverage, FFY 1988-1997

FFY	Safety		Health		Total employees covered	Workers' comp covered employment	Percent covered by inspections
	Compliance officers*	Employees covered	Compliance officers*	Employees covered			
1988	44	116,046	17	31,354	147,400	1,161,100	12.7%
1989	44	112,688	17	54,113	166,801	1,214,900	13.7%
1990	44	116,567	17	41,844	158,411	1,258,600	12.6%
1991	61	114,666	25	49,655	164,321	1,258,600	13.1%
1992	60	143,699	25	58,351	202,050	1,280,500	15.8%
1993	60	181,172	26	67,305	248,477	1,317,100	18.9%
1994	61	193,313	25	72,124	265,437	1,378,800	19.3%
1995	61	175,870	25	51,557	227,427	1,431,600	15.9%
1996	61	160,882	25	34,748	195,630	1,487,300	13.2%
1997	61	145,977	25	36,224	182,201	1,549,600	11.8%

Source: Research & Analysis Section, in cooperation with Oregon OSHA, Oregon Department of Consumer & Business Services. (7/98)

*The number of compliance officers represents the number of positions available. The actual number of officers at any given time may vary.

Safety

The 4,051 safety inspections conducted in 1997 represent a 13.6 percent decrease from the 4,686 done in 1996 (see Figure 1 and Appendix A, Table 1).

Inspections in **general industries** (all industries except construction and logging) went down 15.8 percent to 2,030 in 1997. Inspections conducted in **logging** declined 21.2 percent to 260 in 1997, and **construction** inspections decreased to 1,761. The 260 logging inspections made up 27.7 percent of the 940 done in manufacturing, and 6.4 percent of the total inspections. OR-OSHA conducted 14 field sanitation safety inspections and 32 inspections of farm labor camps.

Appendix A, Table 3 shows the number of inspections conducted by the type of (reason for) inspection. **Scheduled** inspections made up 76.1 percent of the safety inspections in 1997. Inspections done in response to a **complaint** or **referral** account for another 14.8 percent, and about 2.8 percent of the safety inspections were done as **follow-ups**. In addition, 223 inspections were conducted because of a job

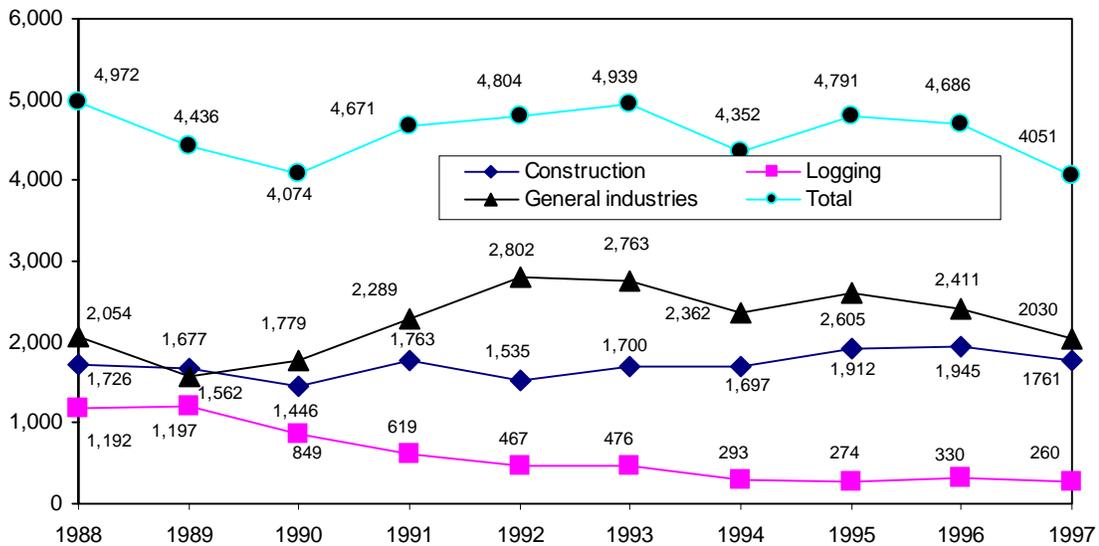
fatality or **catastrophe**, and 33 inspections were **unprogrammed related**.

More 1997 safety inspections were conducted by compliance officers in the **Portland** field office than in any other OR-OSHA office. As seen in Appendix Table 5, there were 1,234 Portland-based inspections. Appendix B provides a map of the areas encompassed by the five OR-OSHA field offices.

Appendix A, Table 7 details safety inspections by county and industry division. Multnomah County had the highest number of safety inspections, 602, and led the state with 291 construction inspections. Lane County had the most logging inspections, 61, and Marion County the most in agriculture, forestry, and fishing, with 52.

The number of employees covered by 1997 safety inspections decreased by 9.3 percent to 145,977 (Appendix A, Table 2).

Figure 1. Safety inspections conducted, FFY 1988-1997



Source: Research & analysis Section, Oregon Department of Consumer & Business Services. (7/98)

Health

In 1997, the Oregon OSHA Division conducted a total of 512 health inspections. This is a 2.6 percent increase from the 1996 total of 499. The number of employees covered by 1997 health inspections rose 4.2 percent, from 34,748 in 1996 to 36,224 in 1997. See Text Table 1 and Appendix A, Tables 1, 2, and 5.

Appendix A, Table 2 provides a breakout of 1997 health inspections by industry. **Construction** accounted for 92 inspections, 18.0 percent of the total with 176 inspections for **manufacturing** (34.4 percent) and 94 for **services** (18.4 percent). OR-OSHA conducted 20 inspections in **transportation and utilities** (3.9 percent) and 19 inspections in **agriculture, forestry and fishing**. Three health inspections were conducted in farm labor camps in 1997.

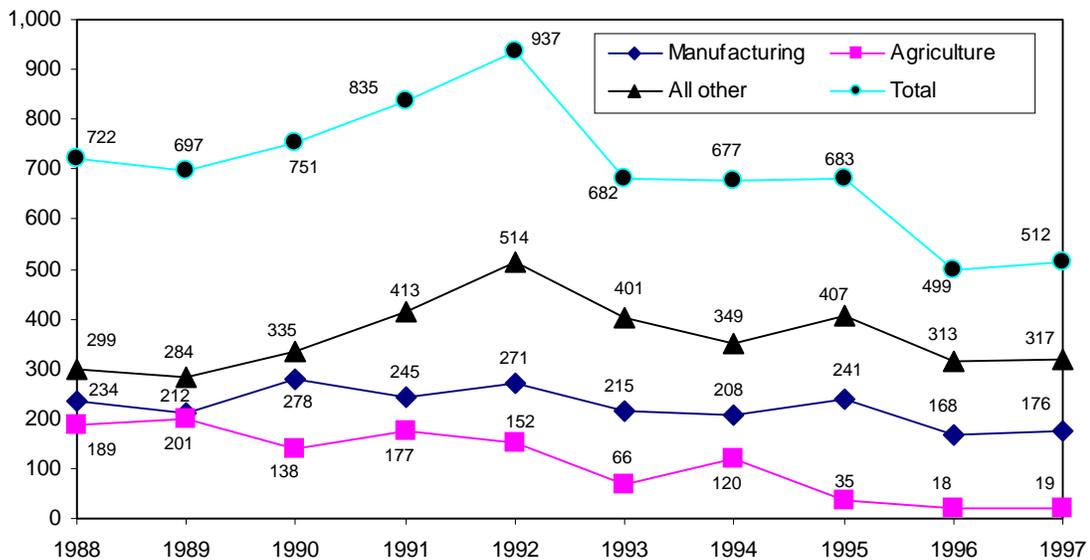
Appendix A, Table 3 shows health inspections by the type of inspection conducted. **Scheduled** inspections made up 14.3 percent of the health inspections conducted in 1997. Inspections done in response to

a **complaint** or **referral** accounted for 69.5 percent of the total health inspections. In addition, there were 16 **follow-up**, 58 **unprogrammed related**, and 9 **fatality** or **catastrophe** health inspections.

Appendix A, Table 7 details health inspections by county and industry division. Multnomah County had the highest number of health inspections, 125.

Multnomah County had the most inspections in construction (23 of a total of 92), transportation and public utilities (8 out of 20), wholesale trade (6 of 21), services (24 of 94), and the public sector (10 of 37). Of the 19 inspections in agriculture, forestry, and fishing, more were conducted in Marion County (8) than in any other county. The 176 inspections in non-logging manufacturing industries were conducted in almost every county, with more inspections in the counties with greater population — Clackamas 16, Deschutes 19, Marion 21, Multnomah 32 and Washington 20.

Figure 2. Health inspections conducted, FFY 1988-1997



Source: Research & analysis Section, Oregon Department of Consumer & Business Services. (7/98)

Citations, Violations, and Penalties

When a compliance officer conducts an inspection and no violations of occupational standards are found, the employer is said to be “in compliance.” When violations are found, a citation is issued to the employer which lists all violations discovered during the inspection, and any resulting penalties.

Chapter 437 of the Oregon Administrative Rules (OAR) provides the basis for most of the standards cited during an inspection. These rules are divided into major divisions (e.g., construction codes are division 03, while general industry codes are division 02). The rules can be further subdivided into sections, subsections, and paragraphs as in 437-1-765(2)(a). In addition, a large number of federal rules (Title 29 CFR) have been adopted and incorporated into the OARs. Federal rules can be divided into parts (e.g., 1910), sections, subsections and paragraphs, as in 1910.1048(g)(2)(i). The federal “part” is equivalent to the OAR “division.” Copies of OARs and federal rules are available, upon request, from the Oregon OSHA Division of the Department of Consumer & Business Services.

Violations of the occupational safety and health standards are categorized on the basis of the probability of an accident and the likely severity of the resulting injury or illness. **Serious** violations occur when there is a substantial probability that death or serious physical harm could result. **Repeat** violations are an employer’s second or subsequent violation of the

same standard. **Willful** violations are committed by an employer or supervisory employee who intentionally or knowingly disobeys the requirements of a standard. **Other** violations are cited for hazardous conditions that would probably not cause death or serious physical harm but would have a direct and immediate relationship to the safety and health of employees. **Administrative** violations, which in this report are counted with “other” violations, are charged when an employer violates a standard for which no probability and severity can be determined. **Mandatory** violations are cited for standards that have a mandatory minimum penalty established; these are included in the “other” category in this report.

Violations of a similar nature (i.e., of closely related standards) are often grouped together by OR-OSHA compliance officers and counted as one violation; grouped violations are counted as one violation in this report.

Top 10 violations

In 1997, OR-OSHA issued 3,251 safety and health citations, with 10,357 violations of 1,615 different standards cited. Text Table 2 below shows the top 10 standards cited in 1997 by Oregon compliance officers compared to the 10 most frequently cited nationally, by federal OSHA officers. Five of the standards are included in both the Oregon and federal top 10.

Table 2. Ten standards most frequently cited by federal OSHA compared to Oregon OSHA, in FFY 1997

Federal	Oregon
1. Written hazard communication program-general*	Written hazard communication program – general*
2. Hazardous chemicals, info/training	Safety committee meeting records
3. Machine guarding*	Written certification of hazard assessment
4. Guarding unprotected sides and edges*	Guarding unprotected sides and edges*
5. Abrasive wheel exposure adjustment*	Regular safety committee meetings
6. Conductors entering boxes protected*	Abrasive wheel exposure adjustment*
7. Junction box covers	Safety committee
8. Protective helmets	Machine guarding*
9. Uses of flexible electrical cords	Conductors entering boxes protected*
10. Eyewash fountains and deluge showers	Fall protection on steep roofs

*On both the federal and Oregon top 10 lists

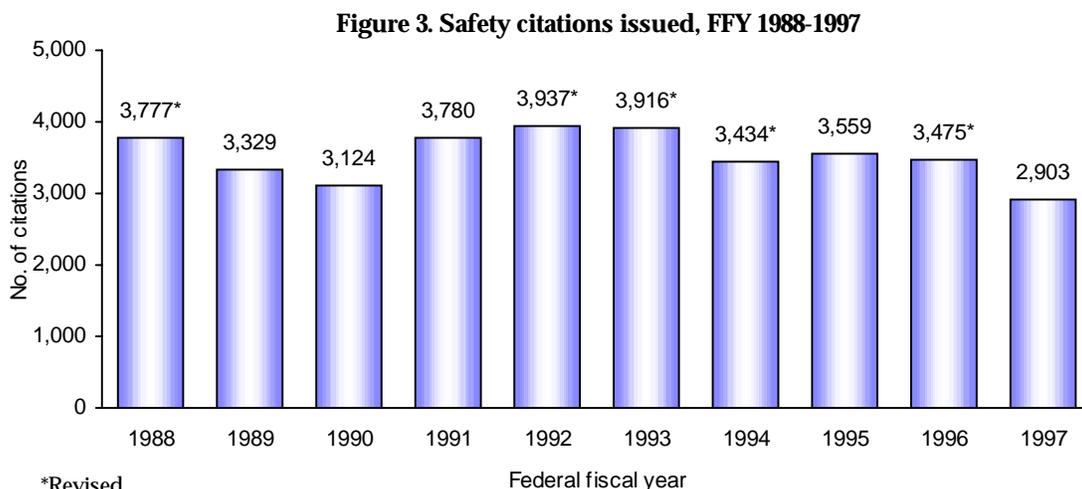
Source: Research & Analysis Section, Oregon Department of Consumer & Business Services, in cooperation with Oregon OSHA. (7/98)

Safety

In 1997, 26.6 percent of safety inspections (excluding follow-ups) found the employer to be in compliance; therefore, no citations were issued.

As shown in Figure 3, for the remaining inspections there were 2,903 **safety citations** issued in 1997. This is a 16.5 percent decrease from the 1996 level of 3,475.

In Appendix A, Table 2, the citations are shown by industry. Construction and manufacturing are the two industries with the most citations issued in 1997. **Construction** had 1,244 or 42.9 percent, and **manufacturing** had 684 or 23.6 percent of the total citations.



As seen in Text Table 3 and Appendix A, Table 1, 8,883 total **safety violations** were cited in 1997, a 20.6 percent decrease from 1996. **Serious** violations numbered 3,551 in 1997, down 15.6 percent from 1996. **Willful** violations rose by 17 to 26. **Repeat**

violations totaled 301, down 7.4 percent from 1996. The number of **other** violations has fluctuated over the 10-year period. Other violations totaled 5,005 in 1997, 56.3 percent of all safety violations.

Table 3. Safety violations by type, FFY 1988-1997

	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
Serious	3,182	2,531	3,642	4,861	5,658*	6,104*	4,985*	4,813*	4,209	3,551
Repeat	651	459	393	458	388*	428	357	366	325	301
Willful	11	9	37	22	41	24	24	15	9	26
Other	9,115	6,832	6,704	8,786	9,698*	8,545*	7,635*	7,822	6,651*	5,005
Total	12,959	9,831	10,776	14,127	15,785*	15,101*	13,001*	13,016*	11,194*	8,883

*Revised.

Note: Each set of grouped violations was counted as one violation. Counting grouped violations separately would result in the following FFY 1997 violation counts: total - 9,296; serious - 3,929; repeat - 301; willful - 26; other - 5,040.

Source: Research & Analysis Section, Oregon Department of Consumer & Business Services. (7/98)

Appendix A, Table 2 provides a breakout of violations by industry for 1997. **Manufacturing** had the most violations (2,865) with 1,153 serious, 139 repeat, one willful, and 1,572 other. **Construction** also had a large number of violations with 2,656 total. In fact, manufacturing and construction accounted for 62.2 percent of all 1997 violations.

Appendix A, Table 4 provides a listing of the **division codes** and **subdivision codes** cited for 1997 safety inspections. These are broken out by type of violation: willful, serious, repeat, or other, and then arranged in descending order by the number of times cited. Note that the largest division, general occupational safety and health rules (02), has been broken out into subdivisions; e.g., 02/S is electrical rules. Construction (03) has been broken out into subdivisions as well.

Willful safety violations were cited most often in construction: steel erection (03/R).

Construction: Floor & wall openings (03/M), with 630 or 17.7 percent, topped the **serious** safety viola-

tions. Machinery and machine guarding: (02/O) with 588 or 16.6 percent ranked second.

Repeat violations were cited most in machinery & machine guarding (02/O) with 53 or 17.6 percent of all repeat violations.

Other safety violations were cited most often in rules for administration of OSEACT (01), with 842 or 16.8 percent, with electrical (02/S) second with 784 or 15.7 percent of all other violations.

Text Table 4 shows the proposed penalties assessed against employers for violations found during safety inspections. These are not actual penalties paid, but the penalties assessed before any informal conference or hearing is held which could reduce the proposed penalties. In 1997, **proposed penalties** totaled \$3,666,105, a 35.2 percent increase from 1996 penalties.

Table 4. Penalties assessed for safety violations, FFY 1988-1997

	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
Serious	\$905,015	\$809,700	\$1,524,380*	\$1,611,035	\$1,621,120*	\$2,798,260*	\$2,580,165*	\$2,041,656*	\$1,588,870	\$1,490,650
Repeat	\$532,475	\$208,305	\$275,090	\$328,404	\$268,947*	\$584,150	\$483,200	\$537,200	\$401,870	\$431,700
Willful	\$53,850	\$76,000	\$244,750	\$165,000	\$320,725	\$762,000	\$825,000	\$890,000	\$560,000	\$1,635,000
Other	\$138,620	\$86,130	\$159,900	\$266,601	\$386,594*	\$177,775*	\$171,680	\$190,345	\$159,940*	\$108,755
Total	\$1,629,960	\$1,180,135	\$2,204,120*	\$2,371,040	\$2,597,386*	\$4,322,185*	\$4,060,045*	\$3,659,201*	\$2,710,680*	\$3,666,105

*Revised.

Source: Research & Analysis Section, Oregon Department of Consumer & Business Services. (7/98)

Penalties assessed for **willful** safety violations made up the greatest percentage of the total penalties in 1997, \$1,635,000, or 44.6 percent. Penalties for **serious** violations, \$1,490,650, or 40.7 percent, were next, followed by \$431,700 in penalties assessed for **repeat** violations, and \$108,755 for **other**. Willful penalties nearly tripled over 1996. See Appendix A, Tables 1 and 2.

As expected, the **construction** and **manufacturing** industries had the highest total dollar penalties assessed in 1997. Construction totaled \$2,466,415 and manufacturing totaled \$675,270. Together they accounted for 85.7 percent of the total. See Appendix A, Table 2 for a complete breakout of proposed penalties by industry.

Appendix A, Table 6 provides further analysis of penalties for safety citations. Current penalties, which are due the department after a citation has become a final order following any appeals, now stand at \$3,118,210 for 1997. This constitutes a reduction of 14.9 percent from proposed penalties. Note that 18-25 percent of all citations issued in a given year are contested. Proposed penalties for violations which the cited employer failed to abate (FTA penalties) were \$23,400, a substantial drop (88.3 percent) from the unusually high amount in 1996. Current pen-

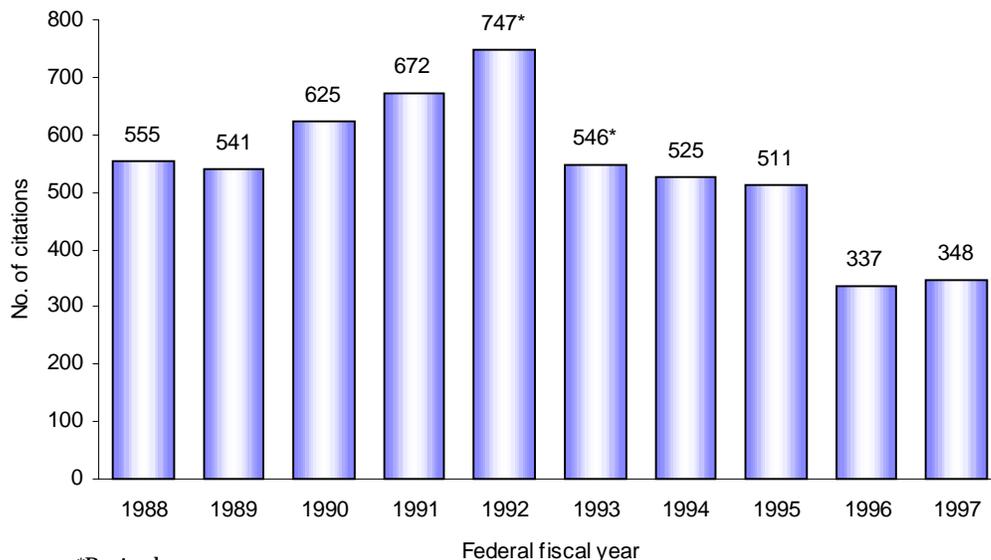
alties for failures to abate stand at \$14,350, 61.3 percent of the proposed penalties value. As of July 1998 (22 months of collections), net payments on all penalties for violations found in 1997 safety inspections were at \$1,179,694 or 37.7 percent of the total current penalties (including failures to abate) of \$3,132,560. Receipts during the fiscal year for all current penalties, regardless of when the safety inspection was conducted (this year's receipts include some collections on 1996 penalties, for example), came to \$1,682,326.

Health

No citations were issued in 30.0 percent of the health inspections (excluding follow-ups) conducted in 1997 (Appendix A, Table 2). As seen in Figure 4, employers who were not in compliance were issued 348 citations, a 3.3 percent increase from 1996, and 53.4 percent below the 10-year high of 747 in 1992.

In Appendix A, Table 2, **health citations** are shown by industry. **Manufacturing** had the most citations issued with 131, or 37.6 percent of the total. **Services** was next with 68 or 19.5 percent of the citations issued in 1997.

Figure 4. Health citations issued, 1988-1997



*Revised

Source: Research & Analysis Section, Oregon Department of Consumer & Business Services. (7/98)

Text Table 5 shows a total of 1,474 **health violations** reported in 1997, an increase of 19.2 percent from 1996, which was the lowest number since 1981. There were 688 **serious**, 18 **repeat**, 0 **willful**, and 768 **other** violations in 1997. **Other** violations made up 52.1 percent of health violations.

Appendix A, Table 2 provides a breakout of the number of health violations by industry for 1997. **Manufacturing** had the most violations cited with 698 or 47.4 percent. **Services** had the next highest number of violations with 275, or 18.7 percent.

Appendix A, Table 4 provides a listing of the **division** and **subdivision codes** cited for 1997 health inspections. They are divided by type of violation: willful, serious,

repeat, or other, and then arranged in descending order by the number of times cited. **Serious** health violations of toxic and hazardous substances (02/Z) were cited most often in 1997 with 202 (29.4 percent) of all serious violations, followed by hazardous materials (02/H) at 85 violations, and personal protective equipment (02/I) at 75 violations.

Repeat health violations were found most often in personal protective equipment (02/I) with 5.

Other health violations were cited most in toxic and hazardous substances (02/Z) with 214, or 27.9 percent of other health violations. Rules for administration of OSEACT (01) was the next highest with 193 violations (25.1 percent).

Table 5. Health violations by type, FFY 1988-1997

	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
Serious	750	655	1,095*	1,135	1,310*	947*	1,043*	1,145	595	688
Repeat	119	113	198	93	97	61	62	25	9	18
Willful	4	6	12	3	14*	0	3	15	0	0
Other	1,907	1,749	1,918*	1,787	2,206*	1,518*	1,179*	1,101	633	768
Total	2,780	2,523	3,223	3,018	3,627*	2,526*	2,287	2,286	1,237	1,474

*Revised

Note: Each set of grouped violations was counted as one violation. Counting grouped violations separately would result in the following FFY 1997 violation counts: total - 1,820; serious - 966; repeat - 18; willful - 0; other - 836.

Source: Research & Analysis Section, Oregon Department of Consumer & Business Services. (7/98)

In Text Table 6, the proposed penalties assessed against employers for violations cited are shown. These are not the actual penalties paid, but the penalties assessed before any informal conference or hearing is held which could reduce the proposed penalties. In 1997, **proposed penalties** for health violations totaled \$253,575, a 15.9 percent rise from 1996, and a substantial drop (88.0 percent) from the 1995 record high of \$2,106,495.

Penalties assessed for **serious** violations were \$235,585 in 1997 and made up 92.9 percent of the total health penalties. **Repeat** penalties totaled \$7,660 in 1997. For the second year, there were no penalties for willful violations, a dramatic change from 1995 when willful violations had a total penalty amount of \$1,540,000. **Other** penalties dropped by 21.6 percent to \$10,330 (Appendix A, Table 5).

Appendix A, Table 2 provides a complete breakout of the proposed penalties for each industry. **Manu-**

facturing had the most dollar penalties assessed in 1997, with \$124,260, or 49.0 percent of the total. **Services** followed with \$32,575 or 12.8 percent.

Appendix A, Table 6 provides further analysis of penalties for health citations. Current penalties, which are due the department after a citation has become a final order, stand at \$205,345 for 1997. This constitutes a reduction of 19.0 percent from proposed penalties. Proposed penalties for violations which the cited employer failed to abate (FTA penalties) were \$7,700. Current FTA penalties were reduced 53.9 percent to \$3,550. As of July 1998 (22 months of collections), net payments on all penalties for violations found in 1997 health inspections were at \$181,805, or 87.0 percent of the total current penalties (including failures to abate) of \$208,895. Receipts during the fiscal year for all current penalties, regardless of when the health inspection was conducted (this year's receipts include some collections on 1996 penalties, for example), came to \$393,368.

Table 6. Penalties assessed for health violations, FFY 1988-1997

	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
Serious	\$173,455	\$160,630	\$357,425	\$259,470	\$281,655*	\$266,320*	\$374,650*	\$499,515	\$201,800	\$235,585
Repeat	\$30,885	\$34,935	\$79,682	\$21,134	\$35,540	\$40,300	\$40,800	\$33,600	\$3,900	\$7,660
Willful	\$35,000	\$55,000	\$107,500	\$15,000	\$130,500*	\$0	\$70,000	\$1,540,000	\$0	\$0
Other	\$41,065	\$35,835	\$66,885	\$108,565	\$122,040*	\$35,475	\$30,315*	\$33,380	\$13,180	\$10,330
Total	\$280,405	\$286,400	\$611,492	\$404,169	\$569,735*	\$342,095*	\$515,765	\$2,106,495	\$218,880	\$253,575

*Revised.

Source: Research & Analysis Section, Oregon Department of Consumer & Business Services. (7/98)

Tables

Appendix A

**Table 1. Safety and health inspections, violations,
and proposed penalties, FFY 1988-1997**

Safety

Federal fiscal year	Inspections conducted				Violations					Proposed penalties				
	Total	Construction	Logging	General industry	Total	Serious	Repeat	Willful	Other	Total	Serious violations	Repeat violations	Willful violations	Other violations
1988	4,972	1,726	1,192	2,054	12,959	3,182	651	11	9,115	\$1,629,960	\$905,015	\$532,475	\$53,850	\$138,620
1989	4,436	1,677	1,197	1,562	9,831	2,531	459	9	6,832	\$1,180,135	\$809,700	\$208,305	\$76,000	\$86,130
1990	4,074	1,446	849	1,779	10,776	3,642	393	37	6,704	\$2,204,120	\$1,524,380	\$275,090	\$244,750	\$159,900
1991	4,671	1,763	619	2,289	14,127	4,861	458	22	8,786	\$2,371,040	\$1,611,035	\$328,404	\$165,000	\$266,601
1992	4,804	1,535	467	2,802	15,785	5,658	388	41	9,698	\$2,597,386	\$1,621,120	\$268,947	\$320,725	\$386,594
1993	4,939	1,700	476	2,763	15,101	6,104	428	24	8,545	\$4,322,185	\$2,798,260	\$584,150	\$762,000	\$177,775
1994	4,352	1,697	293	2,362	13,001	4,985	357	24	7,635	\$4,060,045	\$2,580,165	\$483,200	\$825,000	\$171,680
1995	4,791	1,912	274	2,605	13,016	4,813	366	15	7,822	\$3,659,201	\$2,041,656	\$537,200	\$890,000	\$190,345
1996	4,686	1,945	330	2,411	11,194	4,209	325	9	6,651	\$2,710,680	\$1,588,870	\$401,870	\$560,000	\$159,940
1997	4,051	1,761	260	2,030	8,883	3,551	301	26	5,005	\$3,666,105	\$1,490,650	\$431,700	\$1,635,000	\$108,755

Health

Federal fiscal year	Inspections conducted				Violations					Proposed penalties				
	Total	Manufacturing	Agriculture	All other	Total	Serious	Repeat	Willful	Other	Total	Serious violations	Repeat violations	Willful violations	Other violations
1988	722	234	189	299	2,780	750	119	4	1,907	\$280,405	\$173,455	\$30,885	\$35,000	\$41,065
1989	697	212	201	284	2,523	655	113	6	1,749	\$286,400	\$160,630	\$34,935	\$55,000	\$35,835
1990	751	278	138	335	3,223	1,095	198	12	1,918	\$611,492	\$357,425	\$79,682	\$107,500	\$66,885
1991	835	245	177	413	3,018	1,135	93	3	1,787	\$404,169	\$259,470	\$21,134	\$15,000	\$108,565
1992	937	271	152	514	3,627	1,310	97	14	2,206	\$569,735	\$281,655	\$35,540	\$130,500	\$122,040
1993	682	215	66	401	2,526	947	61	0	1,518	\$342,095	\$266,320	\$40,300	\$0	\$35,475
1994	677	208	120	349	2,287	1,043	62	3	1,179	\$515,765	\$374,650	\$40,800	\$70,000	\$30,315
1995	683	241	35	407	2,286	1,145	25	15	1,101	\$2,106,495	\$499,515	\$33,600	\$1,540,000	\$33,380
1996	499	168	18	313	1,237	595	9	0	633	\$218,880	\$201,800	\$3,900	\$0	\$13,180
1997	512	176	19	317	1,474	688	18	0	768	\$253,575	\$235,585	\$7,660	\$0	\$10,330

Notes: Historical data by industry may have changed from prior reports due to conversion from 1972/1977 Standard Industrial Classification codes to 1987 codes; the reclassification of farm labor camps and field sanitation from services to agriculture, forestry, and fishing; and a change in the method of counting public sector inspections.

Violations and penalty totals include those for rescinded violations.

Historical data will change as updated.

Source: Research & Analysis Section, Oregon Department of Consumer & Business Services. (7/98)

Table 2. Inspections by industry, FFY 1997

Federal fiscal year 1997, safety

Industry ¹	SIC ²	Inspections	Employees covered by inspection	Percent in comp	Violations								Citations issued
					Serious		Repeat		Willful		Other		
					Number	Dollar penalty	Number	Dollar penalty	Number	Dollar penalty	Number	Dollar penalty	
Total		4,051	145,977	26.6	3,551	\$1,490,650	301	\$431,700	26	\$1,635,000	5,005	\$108,755	2,903
Private sector		3,898	135,782	26.3	3,405	1,432,120	296	430,500	26	1,635,000	4,752	107,550	2,804
Agriculture, forestry, fishing		176	12,577	27.5	139	99,920	7	5,000	0	0	217	4,850	123
Farming—crops	01	36	4,160	32.4	35	18,670	0	0	0	0	58	200	23
Horticultural specialty	018	8	773	16.7	9	2,880	0	0	0	0	14	100	5
General farms, crop	019	17	258	35.3	12	9,140	0	0	0	0	22	0	11
Farming—livestock	02	9	103	12.5	11	10,130	0	0	0	0	24	0	8
Agricultural services	07	50	6,690	14.6	44	12,200	1	600	0	0	64	2,900	41
Farm labor camps		32	846	48.3	5	2,150	3	3,000	0	0	27	1,250	16
Field sanitation		14	322	35.7	3	690	1	600	0	0	6	0	9
Forestry	08	35	456	23.5	41	56,080	2	800	0	0	38	500	26
Forestry services	085	25	162	20.8	34	54,950	2	800	0	0	25	500	19
Mining		10	95	70.0	4	405	0	0	0	0	4	0	3
Nonmetallic minerals	14	10	95	70.0	4	405	0	0	0	0	4	0	3
Construction		1,761	12,844	29.0	1,384	620,960	102	213,700	25	1,585,000	1,145	46,755	1,244
Building construction	15	517	3,334	30.6	406	165,010	27	33,300	0	0	368	9,100	358
Residential building	152	333	1,567	27.7	295	122,715	18	26,100	0	0	245	7,600	240
Nonresidential building	154	182	1,755	35.7	110	40,795	9	7,200	0	0	121	1,400	117
Heavy construction	16	167	2,146	34.5	108	100,215	8	14,600	0	0	79	3,575	108
Highway & street const.	161	59	474	31.0	45	50,840	3	10,400	0	0	23	0	40
Other heavy const.	162	108	1,672	36.4	63	49,375	5	4,200	0	0	56	3,575	68
Special trade contractor	17	1,077	7,364	27.3	870	355,735	67	165,800	25	1,585,000	698	34,080	778
Plumbing, heating, a/c	171	100	1,063	37.0	52	17,030	4	4,200	0	0	71	600	63
Electrical work	173	85	760	43.5	42	41,225	3	15,200	0	0	42	600	48
Masonry, stone & plaster	174	116	797	33.3	80	24,440	5	3,800	0	0	80	1,200	76
Carpentering & flooring	175	242	1,474	17.2	287	95,755	14	37,400	0	0	187	6,530	197
Roofing & sheet metal	176	216	997	18.6	194	77,695	23	62,600	2	55,000	115	5,750	175
Misc. special trade	179	202	1,525	32.7	131	76,145	11	24,600	23	1,530,000	123	14,650	136
Manufacturing		940	51,493	24.7	1,153	447,645	139	155,000	1	50,000	1,572	22,625	684
Food & kindred products	20	99	6,899	17.6	113	58,725	17	9,100	0	0	159	1,100	75
Meat products	201	14	414	14.3	14	2,025	1	200	0	0	30	0	12
Fruits & vegetables	203	23	4,212	4.8	27	7,295	1	200	0	0	26	0	20
Bakery products	205	8	767	28.6	7	11,005	0	0	0	0	9	0	5
Beverages	208	20	614	23.5	11	2,235	6	2,000	0	0	33	1,000	13
Misc. food products	209	20	699	27.8	30	13,650	5	3,800	0	0	26	0	13
Textile mill products	22	1	46	0.0	0	0	0	0	0	0	4	0	1
Apparel & other textile	23	2	11	0.0	4	1,015	0	0	0	0	4	0	2
Lumber & wood products	24	452	14,403	29.2	450	151,120	79	109,800	1	50,000	621	5,795	314
Logging	241	260	1,472	39.4	122	29,925	6	1,900	0	0	205	100	157
Sawmills, planing mills	242	56	3,313	15.1	105	47,775	46	90,900	0	0	148	645	46
Veneer, plywood, millwork	243	90	5,948	14.9	144	44,195	21	13,400	1	50,000	153	4,100	74
Mobile homes, wood bldgs	245	14	1,675	7.7	25	6,545	1	1,000	0	0	40	0	12
Misc. wood products	249	25	1,874	20.8	36	13,540	3	1,400	0	0	50	500	19
Furniture & fixtures	25	15	680	20.0	19	9,255	0	0	0	0	17	210	12
Household furniture	251	11	611	18.2	15	8,265	0	0	0	0	11	210	9

See footnotes at end of table.

Table 2. Inspections by industry, FFY 1997 (continued)

Federal fiscal year 1997, safety

Industry ¹	SIC ²	Inspections	Employees covered by inspection	Percent in comp	Violations								Citations issued
					Serious		Repeat		Willful		Other		
					Number	Dollar penalty	Number	Dollar penalty	Number	Dollar penalty	Number	Dollar penalty	
Private sector													
Paper & allied products	26	18	4,561	23.5	119	\$68,910	2	\$12,600	0	\$0	93	\$605	14
Paper mills	262	8	3,093	25.0	95	44,770	2	12,600	0	0	79	405	6
Paperboard mills	263	2	501	0.0	14	21,635	0	0	0	0	6	0	2
Converted paper prod.	267	1	87	0.0	3	1,500	0	0	0	0	1	0	1
Printing & publishing	27	12	1,279	20.0	15	3,855	0	0	0	0	26	500	8
Chemicals & allied prod.	28	5	207	25.0	13	4,960	0	0	0	0	3	0	3
Petroleum & coal prod.	29	1	8	0.0	2	330	0	0	0	0	4	100	1
Rubber & misc. plastics	30	19	845	0.0	16	2,465	7	2,600	0	0	45	900	19
Misc. plastic products	308	16	811	0.0	16	2,465	2	400	0	0	36	900	16
Leather & leather prod.	31	1	8	0.0	0	0	0	0	0	0	2	0	1
Stone, clay, glass prod.	32	31	805	22.6	35	11,205	4	2,400	0	0	35	2,600	24
Concrete, gypsum, plaster	327	19	297	26.3	22	4,445	1	1,000	0	0	23	2,600	14
Primary metal industries	33	22	3,424	27.3	37	14,850	0	0	0	0	34	1,490	16
Blast furnaces/steel	331	8	1,356	37.5	15	8,855	0	0	0	0	10	210	5
Iron & steel foundries	332	6	1,523	33.3	15	2,835	0	0	0	0	12	100	4
Fabricated metal product	34	122	4,208	20.3	155	65,995	7	3,000	0	0	256	3,350	94
Cutlery, hand tools etc.	342	4	579	0.0	8	1,595	1	1,800	0	0	10	250	4
Fab. struct. metal prod.	344	89	2,766	19.8	120	50,370	1	200	0	0	198	2,060	69
Machinery	35	47	1,692	25.0	70	17,520	4	1,600	0	0	87	3,110	33
Const. & related mach.	353	7	214	0.0	22	5,135	3	1,000	0	0	15	2,500	7
Spec. industry mach.	355	6	521	50.0	11	1,620	1	600	0	0	12	210	3
Ind. machinery n.e.c.	359	19	502	22.2	29	9,215	0	0	0	0	39	100	14
Electric & electronic eq	36	15	5,200	28.6	12	7,010	5	1,800	0	0	28	100	10
Transportation equipment	37	49	4,951	26.7	60	20,090	7	3,500	0	0	101	1,245	33
Motor vehicles & equip.	371	15	1,314	20.0	21	6,510	3	1,000	0	0	30	200	12
Railroad equipment	374	1	1,200	100.0	0	0	0	0	0	0	0	0	0
Instruments & rel. prod.	38	3	1,093	0.0	13	4,560	0	0	0	0	21	0	3
Misc. manufacturers	39	26	1,173	16.0	20	5,780	7	8,600	0	0	32	1,520	21
Transportation, utilities		169	6,892	26.2	99	47,600	8	5,200	0	0	272	4,305	125
Local, interurban transit	41	9	695	22.2	3	860	0	0	0	0	14	0	7
Trucking & warehousing	42	100	3,974	25.3	53	15,615	6	2,000	0	0	206	3,605	75
Trucking	421	81	3,162	23.8	41	13,475	3	1,400	0	0	155	3,200	62
Public warehousing	422	17	780	35.3	9	1,610	3	600	0	0	38	300	11
Water transportation	44	5	126	40.0	2	235	0	0	0	0	6	100	3
Transportation by air	45	12	580	8.3	13	3,285	1	200	0	0	14	0	11
Transportation services	47	2	780	0.0	5	2,300	0	0	0	0	1	0	2
Communication	48	24	487	25.0	10	3,265	1	3,000	0	0	16	600	18
Electric, gas, sanitation	49	17	250	47.1	13	22,040	0	0	0	0	15	0	9
Wholesale trade		121	4,090	18.8	108	59,900	9	12,200	0	0	216	3,050	95
Durable goods	50	78	2,596	15.8	80	53,685	6	8,800	0	0	113	2,450	64
Motor vehicles & equip	501	6	44	33.3	6	1,075	0	0	0	0	9	0	4
Lumber & const. material	503	23	834	8.7	31	20,500	4	4,800	0	0	25	600	21
Metals & minerals	505	5	85	20.0	7	2,165	1	3,000	0	0	7	0	4
Machinery, equipment etc.	508	21	676	10.0	16	7,055	1	1,000	0	0	36	1,100	18
Misc. durable goods	509	12	94	16.7	6	5,710	0	0	0	0	20	300	10
Nondurable goods	51	43	1,494	24.4	28	6,215	3	3,400	0	0	103	600	31
Groceries & related	514	19	1,195	16.7	16	3,945	3	3,400	0	0	57	500	15
Misc. nondurable goods	519	8	116	37.5	5	1,075	0	0	0	0	15	0	5

See footnotes at end of table.

Table 2. Inspections by industry, FFY 1997 (continued)

Federal fiscal year 1997, safety

Industry ¹	SIC ²	Inspections	Employees covered by inspection	Percent in comp	Violations								Citations issued
					Serious		Repeat		Willful		Other		
					Number	Dollar penalty	Number	Dollar penalty	Number	Dollar penalty	Number	Dollar penalty	
Private sector													
Retail trade		392	18,971	14.5	300	\$81,885	14	\$28,800	0	\$0	841	\$15,900	310
Bldg. & garden materials	52	47	1,267	10.6	73	26,835	2	25,200	0	0	84	600	42
Lumber & bldg materials	521	37	997	10.8	59	13,780	2	25,200	0	0	72	500	33
General merchandise	53	54	7,576	24.0	29	6,975	6	1,600	0	0	110	695	39
Department stores	531	47	6,526	20.9	29	6,975	6	1,600	0	0	101	695	35
Food stores	54	58	3,554	9.6	32	7,280	1	200	0	0	144	1,700	47
Grocery stores	541	50	3,466	11.4	31	7,180	0	0	0	0	124	1,100	39
Automotive dealers	55	67	1,416	9.8	64	13,750	1	200	0	0	151	4,100	56
New & used car dealers	551	9	387	22.2	8	1,205	1	200	0	0	24	1,100	7
Auto & home supply	553	35	712	9.4	30	8,120	0	0	0	0	76	2,700	30
Gas service stations	554	17	174	0.0	14	2,640	0	0	0	0	22	200	15
Apparel & accessory	56	5	273	25.0	1	1,050	0	0	0	0	6	0	3
Furniture, furnishings & eqpt.	57	17	210	25.0	7	810	0	0	0	0	29	600	12
Furniture & furnishings	571	13	118	16.7	4	380	0	0	0	0	27	600	10
Eating & drinking	58	116	3,406	12.6	59	17,500	4	1,600	0	0	237	7,000	91
Miscellaneous retail	59	28	1,269	23.1	35	7,685	0	0	0	0	80	1,205	20
Finance, insur., real estate		28	2,704	25.0	33	21,285	1	200	0	0	32	200	19
Depository institutions	60	1	21	100.0	0	0	0	0	0	0	0	0	0
Security, commodity brokers	62	2	50	0.0	2	1,710	0	0	0	0	3	0	1
Insurance carriers	63	1	700	0.0	5	615	0	0	0	0	1	0	1
Real estate	65	22	433	25.0	24	18,660	1	200	0	0	27	200	16
Real estate operators	651	14	395	23.1	19	17,695	1	200	0	0	19	100	11
Holding & investment	67	2	1,500	0.0	2	300	0	0	0	0	1	0	1
Services		289	25,991	31.3	175	49,845	16	10,400	0	0	445	9,865	193
Hotels & lodging places	70	23	819	36.4	11	2,810	0	0	0	0	38	1,300	14
Hotels, motels etc.	701	19	768	33.3	9	2,710	0	0	0	0	31	800	12
Personal services	72	16	408	25.0	7	895	0	0	0	0	21	1,100	12
Business services	73	91	7,430	55.6	24	8,105	0	0	0	0	54	2,650	40
Services to buildings	734	12	64	25.0	5	1,730	0	0	0	0	16	700	9
Misc. business service	738	20	1,571	35.0	11	3,705	0	0	0	0	15	500	13
Auto repair, services	75	32	491	9.4	34	7,895	12	9,000	0	0	78	1,140	29
Automotive repair shops	753	23	428	8.7	28	5,985	12	9,000	0	0	60	1,040	21
Misc. repair services	76	21	162	14.3	22	4,885	2	700	0	0	33	550	18
Motion pictures	78	5	1,548	25.0	5	3,000	0	0	0	0	6	0	3
Amusement & recreation	79	11	838	20.0	11	9,710	0	0	0	0	21	1,890	8
Health services	80	35	12,022	12.5	33	7,380	1	200	0	0	103	205	28
Nursing & personal care	805	14	1,252	15.4	11	3,345	1	200	0	0	49	0	11
Hospitals	806	14	9,979	7.7	21	3,870	0	0	0	0	47	105	12
Educational services	82	2	41	50.0	4	400	0	0	0	0	3	0	1
Social services	83	27	1,733	22.2	15	3,270	0	0	0	0	48	450	21
Membership organizations	86	6	115	16.7	5	915	0	0	0	0	17	100	5
Engineer, management serv.	87	18	379	23.5	3	305	0	0	0	0	23	480	13
Private households	88	1	3	0.0	1	275	1	500	0	0	0	0	1
Miscellaneous services	89	1	2	100.0	0	0	0	0	0	0	0	0	0
Unknown		12	125	33.3	10	2,675	0	0	0	0	8	0	8

See footnotes at end of table.

Table 2. Inspections by industry, FFY 1997 (continued)

Federal fiscal year 1997, safety

Industry ¹	SIC ²	Inspections	Employees covered by inspection	Percent in comp	Violations								Citations issued
					Serious		Repeat		Willful		Other		
					Number	Dollar penalty	Number	Dollar penalty	Number	Dollar penalty	Number	Dollar penalty	
Public sector		153	10,195	32.2	146	\$58,530	5	\$1,200	0	\$0	253	\$1,205	99
Agriculture, forestry, fish		2	13	50.0	0	0	0	0	0	0	2	0	1
Farm labor camps		1	5	0.0	0	0	0	0	0	0	2	0	1
Fishing, hunting, trapping	09	1	8	100.0	0	0	0	0	0	0	0	0	0
Construction		10	102	70.0	2	315	0	0	0	0	1	0	3
Heavy construction	16	10	102	70.0	2	315	0	0	0	0	1	0	3
Highway & street const.	161	10	102	70.0	2	315	0	0	0	0	1	0	3
Transportation, utilities		26	1,330	29.2	34	11,230	0	0	0	0	32	100	17
Local,interurban transit	41	3	399	33.3	6	1,730	0	0	0	0	11	0	2
Water transportation	44	3	32	0.0	10	1,685	0	0	0	0	5	0	3
Transportation by air	45	2	725	50.0	1	1,750	0	0	0	0	0	0	1
Electric, gas, sanitation	49	18	174	31.3	17	6,065	0	0	0	0	16	100	11
Retail trade		2	76	0.0	2	975	0	0	0	0	9	0	2
Eating & drinking	58	2	76	0.0	2	975	0	0	0	0	9	0	2
Finance, insur., real estate		1	8	0.0	1	375	0	0	0	0	1	0	1
Real estate	65	1	8	0.0	1	375	0	0	0	0	1	0	1
Real estate operators	651	1	8	0.0	1	375	0	0	0	0	1	0	1
Services		41	6,104	24.4	48	14,520	5	1,200	0	0	109	0	31
Amusement & recreation	79	3	227	100.0	0	0	0	0	0	0	0	0	0
Health services	80	8	3,528	25.0	8	1,845	3	800	0	0	14	0	6
Nursing & personal care	805	1	55	100.0	0	0	0	0	0	0	0	0	0
Hospitals	806	7	3,473	14.3	8	1,845	3	800	0	0	14	0	6
Educational services	82	26	2,241	11.5	39	12,175	2	400	0	0	89	0	23
Social services	83	3	103	66.7	0	0	0	0	0	0	6	0	1
Museum, zoo, botan. garden	84	1	5	0.0	1	500	0	0	0	0	0	0	1
Public administration		71	2,562	33.3	59	31,115	0	0	0	0	99	1,105	44
Exec, legislative & general	91	30	853	29.6	42	10,185	0	0	0	0	37	1,000	19
Justice, pub. order & safety	92	19	1,207	22.2	11	7,940	0	0	0	0	34	105	14
All other government		22	502	47.6	6	12,990	0	0	0	0	28	0	11

See footnotes at end of table.

Table 2. Inspections by industry, FFY 1997 (continued)

Federal fiscal year 1997, health

Industry ¹	SIC ²	Inspections	Employees covered by inspection	Percent in comp	Violations								Citations issued
					Serious		Repeat		Willful		Other		
					Number	Dollar penalty	Number	Dollar penalty	Number	Dollar penalty	Number	Dollar penalty	
Total		512	36,224	30.0	688	\$235,585	18	\$7,660	0	\$0	768	\$10,330	348
Private sector		475	28,277	29.0	653	214,285	18	7,660	0	0	723	9,330	327
Agriculture, forestry, fish		19	659	31.6	24	7,285	0	0	0	0	31	870	13
Farming—crops	01	9	373	44.4	10	3,510	0	0	0	0	14	770	5
Horticultural specialty	018	5	230	40.0	6	2,190	0	0	0	0	13	770	3
General farms, crop	019	1	9	0.0	3	495	0	0	0	0	1	0	1
Farming—livestock	02	1	2	100.0	0	0	0	0	0	0	0	0	0
Agricultural services	07	5	121	0.0	13	3,610	0	0	0	0	12	100	5
Farm labor camps		3	114	0.0	1	165	0	0	0	0	5	0	3
Forestry	08	1	49	100.0	0	0	0	0	0	0	0	0	0
Forestry services	085	1	49	100.0	0	0	0	0	0	0	0	0	0
Mining		1	2	0.0	0	0	0	0	0	0	2	0	1
Nonmetallic minerals	14	1	2	0.0	0	0	0	0	0	0	2	0	1
Construction		92	1,932	51.6	54	16,495	0	0	0	0	47	1,750	44
Building construction	15	27	734	61.5	15	4,355	0	0	0	0	7	500	10
Residential building	152	14	323	38.5	10	3,345	0	0	0	0	6	500	8
Nonresidential building	154	13	411	84.6	5	1,010	0	0	0	0	1	0	2
Heavy construction	16	4	106	25.0	2	720	0	0	0	0	4	0	3
Highway & street const.	161	2	60	50.0	1	270	0	0	0	0	3	0	1
Other heavy const.	162	2	46	0.0	1	450	0	0	0	0	1	0	2
Special trade contractor	17	61	1,092	49.2	37	11,420	0	0	0	0	36	1,250	31
Plumbing, heating, a/c	171	15	596	60.0	8	2,555	0	0	0	0	6	100	6
Electrical work	173	5	164	60.0	0	0	0	0	0	0	3	0	2
Masonry, stone & plaster	174	9	60	33.3	2	265	0	0	0	0	12	1,050	6
Carpentering & flooring	175	4	11	100.0	0	0	0	0	0	0	0	0	0
Roofing & sheet metal	176	5	62	20.0	6	2,595	0	0	0	0	1	0	4
Misc. special trade	179	14	138	50.0	10	3,045	0	0	0	0	7	100	7
Manufacturing		176	15,223	23.1	338	115,905	15	6,660	0	0	345	1,695	131
Food & kindred products	20	9	494	37.5	24	10,055	2	400	0	0	9	0	5
Fruits & vegetables	203	2	119	0.0	9	1,755	0	0	0	0	2	0	2
Beverages	208	2	24	50.0	1	325	2	400	0	0	1	0	1
Misc. food products	209	1	21	100.0	0	0	0	0	0	0	0	0	0
Lumber & wood products	24	34	1,793	20.6	45	12,575	3	1,000	0	0	75	400	27
Sawmills, planing mills	242	8	303	0.0	8	1,390	0	0	0	0	21	0	8
Veneer, plywood, millwork	243	20	1,066	30.0	16	4,580	0	0	0	0	36	400	14
Misc. wood products	249	5	384	20.0	20	5,105	3	1,000	0	0	18	0	4
Furniture & fixtures	25	6	342	40.0	9	1,410	2	800	0	0	12	100	3
Household furniture	251	5	322	50.0	5	990	2	800	0	0	11	100	2
Paper & allied products	26	2	2,230	0.0	55	30,280	0	0	0	0	7	0	2
Paper mills	262	1	1,700	0.0	52	29,305	0	0	0	0	7	0	1
Paperboard mills	263	1	530	0.0	3	975	0	0	0	0	0	0	1
Printing & publishing	27	5	504	20.0	1	105	0	0	0	0	8	0	4
Chemicals & allied prod.	28	9	259	0.0	17	3,635	0	0	0	0	19	100	9
Rubber & misc. plastics	30	4	83	0.0	8	1,130	0	0	0	0	4	100	3
Misc. plastic products	308	4	83	0.0	8	1,130	0	0	0	0	4	100	3

See footnotes at end of table.

Table 2. Inspections by industry, FFY 1997 (continued)

Federal fiscal year 1997, health

Industry ¹	SIC ²	Inspections	Employees covered by inspection	Percent in comp	Violations						Citations issued		
					Serious		Repeat		Willful			Other	
					Number	Dollar penalty	Number	Dollar penalty	Number	Dollar penalty		Number	Dollar penalty
Private sector													
Stone, clay, glass prod.	32	8	302	12.5	5	\$760	0	\$0	0	\$0	18	\$0	7
Concrete, gypsum, plaster	327	5	98	20.0	5	760	0	0	0	0	10	0	4
Primary metal industries	33	16	2,118	21.4	20	13,715	5	1,560	0	0	31	400	12
Blast furnaces/steel	331	2	21	0.0	0	0	0	0	0	0	3	0	1
Iron & steel foundries	332	3	363	0.0	2	495	0	0	0	0	3	100	3
Primary nonferrous mtl	333	4	1,416	25.0	8	11,300	0	0	0	0	3	0	3
Fabricated metal product	34	28	1,007	14.8	39	14,905	1	2,500	0	0	57	0	23
Cutlery, hand tools etc.	342	4	80	66.7	1	300	0	0	0	0	1	0	1
Fab. struct. metal prod	344	17	767	5.9	23	11,535	0	0	0	0	37	0	16
Machinery	35	13	1,228	38.5	65	13,150	0	0	0	0	26	200	8
Const. & related mach.	353	4	624	25.0	22	4,925	0	0	0	0	8	0	3
Spec. industry mach.	355	1	8	0.0	1	100	0	0	0	0	1	0	1
Ind. machinery n.e.c.	359	2	41	0.0	12	1,980	0	0	0	0	7	200	2
Electric & electronic eq	36	14	2,628	35.7	13	2,815	0	0	0	0	18	195	9
Transportation equipment	37	14	1,044	14.3	23	7,155	1	200	0	0	41	200	11
Motor vehicles & equip.	371	7	748	14.3	8	2,185	1	200	0	0	25	0	5
Instruments & rel. prod.	38	1	250	0.0	2	600	0	0	0	0	3	0	1
Misc. manufacturers	39	13	941	50.0	12	3,615	1	200	0	0	17	0	7
Transportation, utilities		20	2,247	40.0	20	13,525	0	0	0	0	20	100	12
Local,interurban transit	41	1	50	0.0	0	0	0	0	0	0	1	0	1
Trucking & warehousing	42	13	1,808	30.8	20	13,525	0	0	0	0	17	100	9
Trucking	421	12	1,108	25.0	20	13,525	0	0	0	0	17	100	9
Public warehousing	422	1	700	100.0	0	0	0	0	0	0	0	0	0
Transportation by air	45	1	150	0.0	0	0	0	0	0	0	1	0	1
Electric, gas, sanitation	49	5	239	80.0	0	0	0	0	0	0	1	0	1
Wholesale trade		21	1,211	19.0	27	11,680	1	200	0	0	34	0	17
Durable goods	50	11	806	18.2	16	3,235	1	200	0	0	16	0	9
Lumber & const.material	503	4	700	0.0	7	1,995	1	200	0	0	2	0	4
Metals & minerals	505	1	2	0.0	0	0	0	0	0	0	5	0	1
Machinery, equipment etc.	508	3	41	0.0	8	1,140	0	0	0	0	6	0	3
Misc. durable goods	509	2	48	100.0	0	0	0	0	0	0	0	0	0
Nondurable goods	51	10	405	20.0	11	8,445	0	0	0	0	18	0	8
Groceries & related	514	4	281	25.0	4	1,200	0	0	0	0	8	0	3
Misc. nondurable goods	519	3	73	0.0	3	6,750	0	0	0	0	3	0	3
Retail trade		41	1,351	13.2	55	14,815	1	200	0	0	81	1,500	33
Bldg. & garden materials	52	3	135	0.0	2	265	0	0	0	0	3	100	3
Lumber & bldg materials	521	2	133	0.0	2	265	0	0	0	0	2	100	2
General merchandise	53	4	670	25.0	14	3,525	1	200	0	0	10	0	3
Department stores	531	4	670	25.0	14	3,525	1	200	0	0	10	0	3
Food stores	54	1	14	0.0	0	0	0	0	0	0	2	100	1
Grocery stores	541	1	14	0.0	0	0	0	0	0	0	2	100	1
Automotive dealers	55	11	147	0.0	7	1,345	0	0	0	0	14	550	8
New & used car dealers	551	6	85	0.0	6	1,180	0	0	0	0	8	200	5
Auto & home supply	553	2	29	0.0	0	0	0	0	0	0	3	250	2
Gas service stations	554	1	7	0.0	0	0	0	0	0	0	0	0	0
Apparel & accessory	56	1	16	0.0	1	300	0	0	0	0	2	0	1

See footnotes at end of table.

Table 2. Inspections by industry, FFY 1997 (continued)

Federal fiscal year 1997, health

Industry ¹	SIC ²	Inspections	Employees covered by inspection	Percent in comp	Violations								Citations issued
					Serious		Repeat		Willful		Other		
					Number	Dollar penalty	Number	Dollar penalty	Number	Dollar penalty	Number	Dollar penalty	
Private sector													
Furniture, furnishings, & eqpt.	57	2	14	0.0	0	0	0	0	0	0	4	0	2
Furniture & furnishings	571	1	7	0.0	0	\$0	0	\$0	0	\$0	3	\$0	1
Eating & drinking	58	7	100	14.3	8	1,635	0	0	0	0	9	350	6
Miscellaneous retail	59	12	255	25.0	23	7,745	0	0	0	0	37	400	9
Finance, insur., real estate		10	55	22.2	8	4,120	0	0	0	0	10	100	7
Depository institutions	60	1	10	0.0	0	0	0	0	0	0	1	0	1
Insurance carriers	63	1	15	100.0	0	0	0	0	0	0	0	0	0
Real estate	65	8	30	14.3	8	4,120	0	0	0	0	9	100	6
Real estate operators	651	7	28	0.0	8	4,120	0	0	0	0	9	100	6
Services		94	5,594	24.4	124	28,960	1	600	0	0	150	3,015	68
Hotels & lodging places	70	6	126	16.7	15	3,485	0	0	0	0	15	500	5
Hotels, motels etc.	701	6	126	16.7	15	3,485	0	0	0	0	15	500	5
Personal services	72	8	119	0.0	10	2,335	0	0	0	0	13	600	7
Business services	73	14	1,738	28.6	8	2,535	0	0	0	0	29	550	10
Services to buildings	734	3	48	33.3	1	270	0	0	0	0	8	0	2
Misc. business service	738	7	356	28.6	2	575	0	0	0	0	11	350	5
Auto repair, services	75	15	156	7.1	31	6,470	1	600	0	0	25	165	13
Automotive repair shops	753	15	156	7.1	31	6,470	1	600	0	0	25	165	13
Misc. repair services	76	10	102	11.1	23	6,570	0	0	0	0	25	105	8
Motion pictures	78	1	6	0.0	5	975	0	0	0	0	3	195	1
Amusement & recreation	79	2	13	0.0	4	840	0	0	0	0	7	200	2
Health services	80	15	2,859	57.1	11	1,890	0	0	0	0	10	100	6
Nursing & personal care	805	2	347	0.0	5	1,030	0	0	0	0	5	0	2
Hospitals	806	5	2,448	100.0	0	0	0	0	0	0	0	0	0
Educational services	82	5	131	40.0	1	300	0	0	0	0	5	0	3
Social services	83	7	202	28.6	10	2,610	0	0	0	0	9	400	5
Membership organizations	86	3	29	0.0	4	750	0	0	0	0	2	0	3
Engineer, management serv.	87	7	103	42.9	1	100	0	0	0	0	6	200	4
Miscellaneous services	89	1	10	0.0	1	100	0	0	0	0	1	0	1
Unknown		1	3	0.0	3	1,500	0	0	0	0	3	300	1
Public sector		37	7,947	43.2	35	21,300	0	0	0	0	45	1,000	21
Construction		2	140	50.0	1	195	0	0	0	0	1	0	1
Heavy construction	16	2	140	50.0	1	195	0	0	0	0	1	0	1
Highway & street const.	161	2	140	50.0	1	195	0	0	0	0	1	0	1
Transportation, utilities		3	213	0.0	5	1,765	0	0	0	0	2	0	3
Local, interurban transit	41	1	50	0.0	2	600	0	0	0	0	1	0	1
Electric, gas, sanitation	49	2	163	0.0	3	1,165	0	0	0	0	1	0	2
Services		13	6,687	38.5	7	1,965	0	0	0	0	29	900	8
Business services	73	2	22	100.0	0	0	0	0	0	0	0	0	0
Services to buildings	734	1	6	100.0	0	0	0	0	0	0	0	0	0
Health services	80	2	224	0.0	5	1,365	0	0	0	0	10	0	2

See footnotes at end of table.

Table 2. Inspections by industry, FFY 1997 (continued)

Federal fiscal year 1997, health

Industry ¹	SIC ²	Inspections	Employees covered by inspection	Percent in comp	Violations								Citations issued
					Serious		Repeat		Willful		Other		
					Number	Dollar penalty	Number	Dollar penalty	Number	Dollar penalty	Number	Dollar penalty	
Public sector													
Hospitals	806	1	150	0.0	5	\$1,365	0	\$0	0	\$0	7	\$0	1
Educational services	82	8	6,436	37.5	2	600	0	0	0	0	15	900	5
Membership organizations	86	1	5	0.0	0	0	0	0	0	0	4	0	1
Public administration		19	907	52.6	22	17,375	0	0	0	0	13	100	9
Exec., legislative & general	91	11	587	45.5	16	9,470	0	0	0	0	10	100	6
Justice, pub. order & safety	92	5	249	60.0	5	7,800	0	0	0	0	1	0	2
All other government		3	71	66.7	1	105	0	0	0	0	2	0	1

¹Includes all industries covered by Oregon workers' compensation laws.

²Standard Industrial Classification Manual, 1987 Edition.

Source: Research & Analysis Section, Oregon Department of Consumer & Business Services. (7/98)

Table 3. Inspections by type of inspection, FFY 1988-1997

Federal Fiscal Year	All inspections		Complaint		Fatality or catastrophe		Follow-up/monitor		Referral/variance		Programmed (scheduled)		Unprogrammed related	
	Total	Percent in compliance	Total	Percent in compliance	Total	Percent in compliance	Total	Percent in compliance	Total	Percent in compliance	Total	Percent in compliance	Total	Percent in compliance
Safety														
1988	4,972	19.3	413	18.9	77	22.1	295	na	32	15.6	4,147	19.3	8	25.0
1989	4,436	22.0	395	26.3	64	21.9	161	na	30	13.3	3,780	21.6	6	33.3
1990	4,074	19.6	418	17.9	104	21.2	206	na	24	33.3	3,314	19.7	8	25.0
1991	4,671	16.4	399	14.8	97	21.6	165	na	34	41.2	3,963	16.1	13	30.8
1992	4,804	14.7	517	21.1	93	16.1	211	na	25	28.0	3,920	13.6	38	26.3
1993	4,939	18.2	523	23.5	147	12.2	169	na	23	17.4	4,046	17.5	31	45.2
1994	4,352	19.0	511	22.1	183	19.7	121	na	18	22.2	3,475	18.6	44	18.2
1995	4,791	23.5	562	24.9	197	23.4	157	na	33	24.2	3,824	23.3	18	33.3
1996	4,686	24.0	540	27.6	200	22.5	122	na	28	25.0	3,765	23.5	31	41.9
1997	4,051	26.6	590	31.5	223	30.5	112	na	9	22.2	3,084	25.1	33	45.5
Health														
1988	722	20.5	282	23.4	3	33.3	55	na	111	25.2	264	15.2	7	28.6
1989	697	20.4	263	22.4	6	0.0	44	na	87	21.8	289	18.0	8	37.5
1990	751	15.0	344	16.9	8	12.5	49	na	130	14.6	206	12.1	14	14.3
1991	835	17.6	373	13.9	12	0.0	44	na	129	17.1	259	22.8	18	33.3
1992	937	18.2	407	16.2	3	0.0	58	na	102	16.7	328	19.2	39	35.9
1993	682	17.5	334	20.1	6	16.7	32	na	81	18.5	202	10.4	27	37.0
1994	677	19.9	302	16.6	7	0.0	29	na	86	15.1	220	26.4	33	24.2
1995	683	22.3	372	22.0	20	25.0	36	na	100	22.0	122	22.1	33	24.2
1996	499	29.9	244	29.5	4	0.0	21	na	109	25.7	69	23.2	52	51.9
1997	512	30.0	292	26.0	9	22.2	16	na	64	23.4	73	23.3	58	67.2
Total														
1988	5,694	19.4	695	20.7	80	22.5	350	na	143	23.1	4,411	19.0	15	26.7
1989	5,133	21.8	658	24.8	70	20.0	205	na	117	19.7	4,069	21.3	14	35.7
1990	4,825	18.9	762	17.5	112	20.5	255	na	154	17.5	3,520	19.2	22	18.2
1991	5,506	16.5	772	14.4	109	19.3	209	na	163	22.1	4,222	16.5	31	32.3
1992	5,741	15.2	924	18.9	96	15.6	269	na	127	18.9	4,248	14.0	77	31.2
1993	5,621	18.1	857	22.2	153	12.4	201	na	104	18.3	4,248	17.1	58	41.4
1994	5,029	19.2	813	20.0	190	18.9	150	na	104	16.3	3,695	19.0	77	20.8
1995	5,474	23.4	934	23.8	217	23.5	193	na	133	22.6	3,946	23.2	51	27.5
1996	5,185	24.6	784	28.2	204	22.1	143	na	137	25.5	3,834	23.4	83	48.2
1997	4,563	26.9	882	29.7	232	30.2	128	na	73	23.3	3,157	25.1	91	59.3

na: Percent in compliance excludes follow-up and monitor inspections and is not computed for follow-up/monitor inspections.

Note: One 1988, three 1992, and one 1993 variance inspections were included with the count of referral inspections.

Source: Research & Analysis Section, Oregon Department of Consumer & Business Services. (7/98)

Table 4. Division and rank of safety and health standards cited by type of violation, FFY 1997

Type of inspection	Type of violation	Rank	Division	Standard violated	Number of times violated
Safety	Willful	1	03/R	Construction: steel erection	19
		2	01	Rules for administration of OSEACT	3
		3	03/M	Construction: floor & wall openings	2
		4	02/J	General environmental controls	1
		4	03/C	Construction: general provisions	1
Safety	Willful			Total	26
Safety	Serious	1	03/M	Construction: floor & wall openings	630
		2	02/O	Machinery & machine guarding	588
		3	02/N	Materials handling & storage	225
		4	02/S	Electrical	195
		5	01	Rules for administration of OSEACT	168
		6	03/X	Construction: stairways & ladders	164
		7	03/L	Construction: scaffolding	160
		8	02/D	Walking-working surfaces	154
		9	06	Forest activities	148
		10	03/P	Construction: excavations	97
		11	02/J	General environmental controls	89
		12	02/Q	Welding, cutting & brazing	79
		13	02/I	Personal protective equipment	77
		14	81	Agricultural operations and farming	71
		15	02/R	Special processes	68
		16	03/E	Construction: personal protective equip	66
		17	03/K	Construction: electrical	61
		18	03/I	Construction: hand & power tools	58
		19	02/P	Hand & portable powered tools	47
		20	02/Z	Toxic & hazardous substances	44
		21	02/E	Means of egress	42
		22	03/O	Construction: motor vehicles	39
		23	03/G	Construction: signs, signals, barricades	34
		24	03/C	Construction: general provisions	32
		25	02/M	Compressed gas/air equipment	30
		25	03/N	Construction: cranes, derricks, hoists	30
		27	02/H	Hazardous materials	27
		28	03/H	Construction: materials handling, storage	25
		29	03/Q	Construction: concrete & masonry	24
		30	02/K	Medical & first aid	19
		31	02/F	Powered platforms	17
		32	654	Oregon safe employment act	12
		33	03/F	Construction: fire protection	9
		34	03/J	Construction: welding & cutting	8
		35	03/V	Construction: power transmission, distr.	5
		36	03/T	Construction: demolition	4
		37	02/L	Fire protection	3
		38	03/D	Construction: health & environ controls	2
Safety	Serious			Total	3,551

**Table 4. Division and rank of safety and health standards cited
by type of violation, FFY 1997**

Type of inspection	Type of violation	Rank	Division	Standard violated	Number of times violated
Safety	Repeat	1	02/O	Machinery & machine guarding	53
		2	03/M	Construction: floor & wall openings	41
		3	02/S	Electrical	34
		4	01	Rules for administration of OSEACT	26
		5	02/N	Materials handling & storage	16
		6	02/R	Special processes	13
		7	06	Forest activities	11
		7	02/Z	Toxic & hazardous substances	11
		9	02/D	Walking-working surfaces	10
		9	03/K	Construction: electrical	10
		11	02/J	General environmental controls	8
		11	03/D	Construction: health & environ controls	8
		13	02/Q	Welding, cutting & brazing	7
		13	03/P	Construction: excavations	7
		15	03/E	Construction: personal protective equip	6
		15	03/L	Construction: scaffolding	6
		17	02/I	Personal protective equipment	5
		18	03/X	Construction: stairways & ladders	4
		19	02/L	Fire protection	3
		19	02/P	Hand & portable powered tools	3
		21	02/F	Powered platforms	2
		21	03/G	Construction: signs, signals, barricades	2
		21	03/Q	Construction: concrete & masonry	2
		21	03/V	Construction: power transmission, distr.	2
		25	81	Agricultural operations and farming	1
		25	654	Oregon safe employment act	1
		25	02/E	Means of egress	1
		25	02/H	Hazardous materials	1
		25	02/K	Medical & first aid	1
		25	02/M	Compressed gas/air equipment	1
25	03/C	Construction: general provisions	1		
25	03/F	Construction: fire protection	1		
25	03/J	Construction: welding & cutting	1		
25	03/N	Construction: cranes, derricks, hoists	1		
25	03/O	Construction: motor vehicles	1		
Safety	Repeat			Total	301
Safety	Other	1	01	Rules for administration of OSEACT	842
		2	02/S	Electrical	784
		3	02/Z	Toxic & hazardous substances	379
		4	02/N	Materials handling & storage	350
		5	03/K	Construction: electrical	308
		6	02/D	Walking-working surfaces	285
		7	06	Forest activities	226
		8	02/O	Machinery & machine guarding	192
		9	02/I	Personal protective equipment	182
		10	02/L	Fire protection	150
		11	02/J	General environmental controls	138
		12	02/E	Means of egress	136
		13	02/Q	Welding, cutting & brazing	110

Table 4. Division and rank of safety and health standards cited by type of violation, FFY 1997

Safety type of inspection	Type of violation	Rank	Division	Standard violated	Number of times violated		
Safety	Other	14	03/D	Construction: health & environ controls	110		
		15	03/X	Construction: stairways & ladders	97		
		16	03/M	Construction: floor & wall openings	93		
		17	02/P	Hand & portable powered tools	88		
		18	81	Agricultural operations and farming	86		
		19	02/H	Hazardous materials	58		
		20	02/K	Medical & first aid	44		
		21	03/O	Construction: motor vehicles	40		
		22	03/L	Construction: scaffolding	33		
		23	03/E	Construction: personal protective equip	32		
		24	02/R	Special processes	31		
		24	03/N	Construction: cranes, derricks, hoists	31		
		26	03/P	Construction: excavations	29		
		27	03/I	Construction: hand & power tools	24		
		28	03/H	Construction: materials handling, storage	23		
		29	03/F	Construction: fire protection	22		
		30	03/C	Construction: general provisions	20		
		31	03/J	Construction: welding & cutting	17		
		32	02/M	Compressed gas/air equipment	11		
		32	03/G	Construction: signs, signals, barricades	11		
		34	03/Q	Construction: concrete & masonry	10		
		35	02/G	OCC health & environmental control	4		
		36	02/F	Powered platforms	3		
		37	03/R	Construction: steel erection	2		
		37	03/U	Construction: blasting & explosives	2		
		39	03/S	Construction: underground, caissons, etc.	1		
		39	03/W	Construction: rollover protection	1		
		Safety	Other			Total	5,005
						Total safety	8,883
		Health	Serious	1	02/Z	Toxic & hazardous substances	202
				2	02/H	Hazardous materials	85
				3	02/I	Personal protective equipment	75
				4	02/J	General environmental controls	74
5	02/K			Medical & first aid	37		
6	03/D			Construction: health & environ controls	34		
7	02/G			OCC health & environmental control	28		
8	03/Z			Construction: toxic & hazardous subst.	27		
9	01			Rules for administration of OSEACT	21		
10	02/O			Machinery & machine guarding	19		
11	02/Q			Welding, cutting & brazing	14		
12	81			Agricultural operations and farming	11		
13	02/D			Walking-working surfaces	9		
14	02/L			Fire protection	8		
14	02/P			Hand & portable powered tools	8		
16	06			Forest activities	6		
16	02/R			Special processes	6		
18	03/M			Construction: floor & wall openings	5		

Table 4. Division and rank of safety and health standards cited by type of violation, FFY 1997

Type of inspection	Type of violation	Rank	Division	Standard violated	Number of times violated
Health	Serious	19	02/E	Means of egress	4
		19	02/M	Compressed gas/air equipment	4
		19	02/S	Electrical	4
		22	02/N	Materials handling & storage	3
		23	03/E	Construction: personal protective equip.	2
		24	03/C	Construction: general provisions	1
		24	03/F	Construction: fire protection	1
Health	Serious			Total	688
Health	Repeat	1	02/I	Personal protective equipment	5
		2	02/Z	Toxic & hazardous substances	4
		3	02/H	Hazardous materials	3
		4	02/P	Hand & portable powered tools	2
		5	01	Rules for administration of OSEACT	1
		5	02/G	OCC health & environmental control	1
		5	02/J	General environmental controls	1
		5	02/Q	Welding, cutting & brazing	1
Health	Repeat			Total	18
Health	Other	1	02/Z	Toxic & hazardous substances	214
		2	01	Rules for administration of OSEACT	193
		3	02/I	Personal protective equipment	149
		4	02/G	OCC health & environmental control	44
		5	02/H	Hazardous materials	33
		6	03/D	Construction: health & environ controls	26
		7	02/J	General environmental controls	21
		8	02/Q	Welding, cutting & brazing	17
		9	02/K	Medical & first aid	11
		9	02/S	Electrical	11
		11	02/L	Fire protection	9
		12	81	Agricultural operations and farming	8
		13	02/P	Hand & portable powered tools	6
		14	02/E	Means of egress	4
		14	02/O	Machinery & machine guarding	4
		14	03/Z	Construction: toxic & hazardous subst.	4
		17	06	Forest activities	3
		17	02/D	Walking-working surfaces	3
		17	02/N	Materials handling & storage	3
		20	02/M	Compressed gas/air equipment	2
		20	02/R	Special processes	2
		22	03/K	Construction: electrical	1
Health	Other			Total	768
				Total health	1,474
				Total safety and health	10,357

Source: Research & Analysis Section, Oregon Department of Consumer & Business Services. (7/98)

Table 5. Inspections, violations and citations by field office, FFY 1997

Federal fiscal year 1997

Type and field office	Inspections	Employees covered by inspection	Percent in compliance	Violations								Citations issued
				Serious		Repeat		Willful		Other		
				Number	Dollar penalty	Number	Dollar penalty	Number	Dollar penalty	Number	Dollar penalty	
Safety	4,051	145,977	26.6	3,551	\$1,490,650	301	\$431,700	26	\$1,635,000	5,005	\$108,755	2,903
Portland	1,234	52,017	27.1	1,361	535,880	97	163,600	0	0	1,197	31,465	875
Salem	920	36,542	24.5	823	559,225	60	150,000	26	1,635,000	1,242	54,325	675
Eugene	745	14,646	35.6	471	142,005	33	42,300	0	0	837	6,780	471
Bend	501	11,694	26.1	325	107,225	20	11,100	0	0	753	8,350	363
Medford	651	31,078	18.4	571	146,315	91	64,700	0	0	976	7,835	519
Health	512	36,224	30.0	688	235,585	18	7,660	0	0	768	10,330	348
Portland	244	19,155	26.8	398	133,355	9	4,660	0	0	393	6,200	172
Salem	95	5,324	30.1	116	42,380	3	1,000	0	0	112	2,370	65
Eugene	61	4,088	38.6	36	18,325	0	0	0	0	59	465	35
Bend	49	2,555	14.6	96	21,575	6	2,000	0	0	154	500	42
Medford	63	5,102	46.0	42	19,950	0	0	0	0	50	795	34

Source: Research & Analysis Section, Oregon Department of Consumer & Business Services. (7/98)

Table 6. Penalties, FFY 1990-1997

Federal fiscal year		Proposed penalties	Current penalties	Proposed FTA penalties	Current FTA penalties	Payments	Receipts
Safety	1990	\$2,204,120	\$1,620,521	\$152,475	\$89,093	\$1,683,154	\$1,190,626
	1991	\$2,371,040	\$1,718,518	\$253,892	\$70,665	\$1,737,120	\$1,601,559
	1992	\$2,597,386	\$1,788,687	\$148,725	\$81,540	\$1,874,222	\$1,683,329
	1993	\$4,322,185	\$2,753,729	\$48,110	\$24,520	\$2,482,451	\$1,926,789
	1994	\$4,060,045	\$2,343,394	\$60,640	\$49,585	\$2,096,348	\$1,734,214
	1995	\$3,659,201	\$2,449,905	\$42,300	\$23,610	\$1,793,370	\$1,878,509
	1996	\$2,710,680	\$1,770,940	\$200,125	\$25,525	\$1,424,818	\$1,873,352
	1997	\$3,666,105	\$3,118,210	\$23,400	\$14,350	\$1,179,694	\$1,682,326
Health	1990	\$611,492	\$416,262	\$62,200	\$42,800	\$448,341	\$271,074
	1991	\$404,169	\$287,564	\$17,860	\$14,475	\$297,600	\$329,709
	1992	\$569,735	\$383,720	\$17,550	\$9,500	\$400,395	\$370,345
	1993	\$342,095	\$278,477	\$13,300	\$3,970	\$265,362	\$429,046
	1994	\$515,765	\$355,602	\$61,250	\$28,550	\$356,398	\$311,227
	1995	\$2,106,495	\$647,385	\$24,150	\$13,500	\$488,353	\$305,746
	1996	\$218,880	\$162,740	\$24,685	\$15,835	\$159,783	\$296,378
	1997	\$253,575	\$205,345	\$7,700	\$3,550	\$181,805	\$393,368
Total	1990	\$2,815,612	\$2,036,783	\$214,675	\$131,893	\$2,131,495	\$1,461,700
	1991	\$2,775,209	\$2,006,082	\$271,752	\$85,140	\$2,034,719	\$1,931,268
	1992	\$3,167,121	\$2,172,407	\$166,275	\$91,040	\$2,274,617	\$2,053,674
	1993	\$4,664,280	\$3,032,206	\$61,410	\$28,490	\$2,747,813	\$2,355,835
	1994	\$4,575,810	\$2,698,996	\$121,890	\$78,135	\$2,452,746	\$2,045,441
	1995	\$5,765,696	\$3,097,290	\$66,450	\$37,110	\$2,281,723	\$2,184,254
	1996	\$2,929,560	\$1,933,680	\$224,810	\$41,360	\$1,584,601	\$2,169,730
	1997	\$3,919,680	\$3,323,555	\$31,100	\$17,900	\$1,361,499	\$2,075,694

1. Proposed penalties are penalties assessed prior to any informal conference or hearing that might reduce the amount due.
2. Current penalties are penalties due the department, after the citation has become a final order.
3. Proposed and current FTA penalties are for violations found to be unabated in a follow-up inspection.
4. Payments are net dollars collected (as of 7/14/98) by the department for penalties due on inspections opened in the indicated fiscal year.
5. Receipts are net dollars collected, including interest, by the department during the indicated fiscal year, regardless of when the inspection was conducted.

Source: Research & Analysis Section, Oregon Department of Consumer & Business Services. (7/98)

Table 7. Inspections by county and industry group, FFY 1997

Federal fiscal year 1997, safety

County by industry ¹	Total ²	Ag, forestry, fishing	Mining	Construction	Mfg (excl. logging)	Logging	Transport, public utility	Wholesale trade	Retail trade	Finance, insurance, real estate	Services	Public sector
Total	4,051	176	10	1,761	680	260	169	121	392	28	289	153
Baker	16	-	-	3	3	1	-	-	6	-	1	2
Benton	144	6	-	77	13	31	1	3	6	1	4	2
Clackamas	184	6	-	92	31	4	7	6	18	4	14	2
Clatsop	91	2	-	56	9	14	1	1	4	-	3	1
Columbia	24	-	-	5	6	9	-	1	2	-	-	1
Coos	117	2	-	48	10	22	6	3	11	-	8	7
Crook	38	-	-	12	6	2	1	2	7	1	5	2
Curry	17	1	1	7	4	1	1	-	2	-	-	-
Deschutes	183	5	-	101	25	12	3	4	13	-	7	12
Douglas	188	7	2	58	34	42	8	9	10	1	10	7
Gilliam	3	1	-	1	-	-	1	-	-	-	-	-
Grant	18	-	-	7	2	4	1	-	1	1	-	2
Harney	18	-	-	7	2	5	-	-	1	-	1	2
Hood River	19	11	-	-	1	3	3	-	1	-	-	-
Jackson	254	13	-	104	70	3	13	8	29	-	12	2
Jefferson	25	2	-	7	6	-	1	1	3	-	2	3
Josephine	83	3	-	13	27	2	4	3	13	-	9	9
Klamath	81	1	-	37	7	4	5	2	16	-	1	8
Lake	8	2	-	-	2	-	-	-	3	-	1	-
Lane	468	19	4	202	66	61	22	8	32	-	32	20
Lincoln	119	3	-	50	18	7	5	-	16	1	12	7
Linn	161	5	1	82	26	17	4	3	9	-	12	2
Malheur	38	10	-	13	4	-	2	2	4	-	1	2
Marion	423	52	2	136	90	1	21	10	53	6	31	19
Morrow	4	1	-	1	1	1	-	-	-	-	-	-
Multnomah	602	5	-	291	90	-	36	34	63	8	58	14
Polk	111	8	-	37	26	2	4	4	12	2	9	7
Sherman	5	-	-	4	-	-	-	-	-	-	1	-
Tillamook	45	-	-	13	5	3	-	1	8	1	9	5
Umatilla	51	2	-	30	11	2	-	-	1	-	5	-
Union	20	-	-	11	3	-	1	1	1	-	2	1
Wallowa	9	-	-	4	3	1	1	-	-	-	-	-
Wasco	25	2	-	5	4	1	1	-	6	-	5	1
Washington	316	5	-	186	45	3	11	11	21	2	26	3
Wheeler	4	-	-	-	-	2	-	-	1	-	-	1
Yamhill	139	3	-	61	30	-	5	4	19	-	8	8

See footnotes at end of table.

Table 7. Inspections by county and industry group, FFY 1997-continued

Federal fiscal year 1997, health

County by industry ¹	Total ²	Ag. forestry, fishing	Mining	Construction	Mfg (excl. logging)	Logging	Transport, public utility	Wholesale trade	Retail trade	Finance, insurance, real estate	Services	Public sector
Total	512	19	1	92	176	-	20	21	41	10	94	37
Baker	3	-	-	-	2	-	1	-	-	-	-	-
Benton	4	-	-	1	2	-	-	-	-	-	1	-
Clackamas	39	2	-	5	16	-	4	1	3	-	6	2
Clatsop	2	-	-	-	1	-	-	-	-	-	1	-
Columbia	4	-	-	-	1	-	-	-	1	-	2	-
Coos	4	-	-	-	1	-	-	2	-	-	1	-
Crook	3	-	-	-	1	-	1	-	-	-	-	1
Curry	6	1	-	-	1	-	-	-	-	-	-	4
Deschutes	37	-	-	7	19	-	-	2	2	-	5	2
Douglas	8	-	-	-	5	-	1	-	2	-	-	-
Harney	1	-	-	-	1	-	-	-	-	-	-	-
Hood River	4	-	-	-	3	-	-	-	-	-	-	1
Jackson	33	1	-	10	10	-	-	1	-	1	7	3
Josephine	17	1	1	3	4	-	-	2	1	-	3	2
Klamath	4	-	-	-	-	-	-	-	-	-	3	1
Lake	1	-	-	-	-	-	-	-	1	-	-	-
Lane	34	-	-	13	14	-	-	1	1	-	4	1
Lincoln	8	-	-	2	2	-	1	-	-	-	3	-
Linn	13	-	-	3	5	-	-	-	3	-	-	2
Malheur	4	-	-	4	-	-	-	-	-	-	-	-
Marion	61	8	-	5	21	-	1	1	4	-	17	4
Multnomah	125	-	-	23	32	-	8	6	16	6	24	10
Polk	8	-	-	1	6	-	-	-	-	-	1	-
Tillamook	3	-	-	-	1	-	-	-	1	-	-	-
Umatilla	5	-	-	1	3	-	-	1	-	-	-	-
Union	4	3	-	1	-	-	-	-	-	-	-	-
Wasco	7	1	-	1	1	-	-	-	-	-	3	1
Washington	60	2	-	12	20	-	2	3	5	3	11	2
Yamhill	10	-	-	-	4	-	1	1	1	-	2	1

¹ Includes all industries covered by Oregon workers' compensation laws.

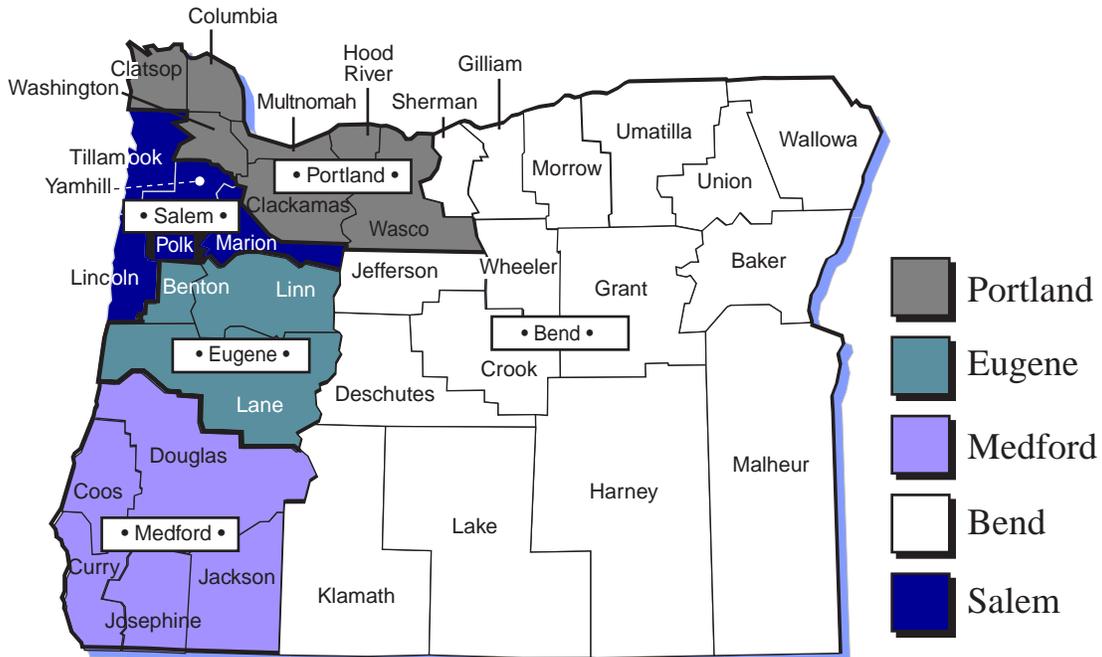
Public sector includes all inspections of government establishments, regardless of the SIC assigned.

² Includes inspections where the industry is unknown.

- Indicates there were none

Source: Research & Analysis Section, Oregon Department of Consumer & Business Services. (7/98)

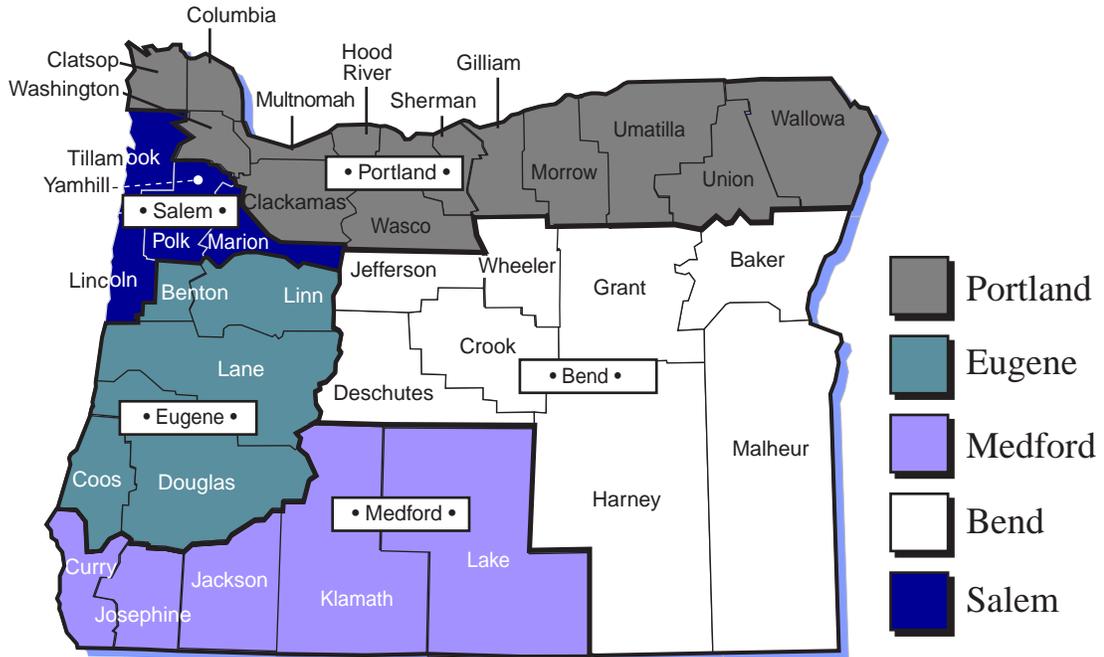
Oregon OSHA Occupational Safety Enforcement Offices



Portland	(503) 229-5910
Salem	(503) 378-3274
Eugene	(541) 686-7562
Bend	(541) 388-6066
Medford	(541) 776-6030

(All numbers are voice/TTY)

Oregon OSHA Occupational Health Enforcement Offices



Portland	(503) 229-5910
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(All numbers are voice/TTY)



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