

**1985**

**ANNUAL**

**SAFETY & HEALTH**

**REPORT**



SL 103505

## FOREWORD

This report is in three parts; the 1985 Report, 1985 Accomplishments, and a statistical review with charts.

Reporting are:

|                                                                                                               |                 |
|---------------------------------------------------------------------------------------------------------------|-----------------|
| All the Corporation's U.S. and Canadian<br>Manufacturing Facilities                                           | 53 Units        |
| All the Corporation's U.S. Research &<br>Development Centers                                                  | 5 Units         |
| All the Corporation's U.S., Canadian, &<br>CP&D Sales and Distribution Outlets,<br>and Administrative Offices | <u>32 Units</u> |
| TOTAL                                                                                                         | 90 Units        |

Your comments concerning the format or content of this report are welcome. Send these to Ralph L. Miller, Director, Safety & Loss Control, 12 South, One PPG Place.

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PART I - 1985 REPORT

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## OVERVIEW

The reduction of occupational injuries and illnesses is not an exact science and, as a result, our experience can vary from one year to the next. However, an examination of the record over a number of years does reveal trends.

PPG's recorded experience extends back 66 years to 1919 when we were experiencing 20 disabling injuries per 100 employees each year. Although sawtoothed in nature, the rate chart of this experience has shown a gradual reduction to our current rate of 0.40. (See Rate Chart Pg. 23)

A closer examination of our experience for the last ten years shows an upturn from 1976 thru 1982. Since 1982, however, the NSC Rate has decreased from a peak of 0.66 to the 1985 rate of 0.40. The downward trend in the last four years has reduced our disabling injury rate by 39%. The 1985 rate of 0.40 is the third best year on record. (It should be noted that the two best years included only U.S. statistics and also did not include U.S. CP&D.)

The performance of the manufacturing segment of the business has been up and down over the last five years, but definitely down over the last three.

ALL EMPLOYEES WHO HAVE CONTRIBUTED TO THIS ACHIEVEMENT ARE TO BE CONGRATULATED.

| <u>Year</u> | <u>Corporate NSC<br/>Incidence Rate</u> | <u>Mfg. Segment<br/>NSC Incidence Rate</u> |
|-------------|-----------------------------------------|--------------------------------------------|
| 1981        | 0.62                                    | 0.40                                       |
| 1982        | 0.66                                    | 0.34                                       |
| 1983        | 0.54                                    | 0.41                                       |
| 1984        | 0.46                                    | 0.31                                       |
| 1985        | 0.40                                    | 0.24                                       |

## SAFETY PERFORMANCE GOALS

Goals for Safety Performance were established in 1969. The record shows that the Corporate goal was not achieved in any year until 1984. Unfortunately, our 1985 goal -- which was a real stretch goal -- was not achieved. However, we did improve 13% over the 1984 performance.

## OUTSTANDING SAFETY RECORD

The Lexington, North Carolina Fiber Glass plant broke the all time Corporate record in 1982. During 1983, 1984, and into 1985, this record continued. However, the record came to a close in 1985 when an employee tripped over an extension cord strung across a walkway 18" off the floor in the Q.C. laboratory. The resulting broken hip broke the record.

However, the employees of the Lexington, NC plant amassed 19,254,737 safe work hours. This milestone in PPG safety history

sets a new target. Records are made to be broken, and the Lexington employees issue that challenge to all other PPG units. The Lexington employees have already started on the course to do it again.

CONGRATULATIONS TO ALL THE EMPLOYEES AT THE LEXINGTON, NORTH CAROLINA FIBER GLASS PLANT.

#### ANALYSIS OF 1985 DEATHS AND DISABLING INJURIES

The Corporation experienced two fatalities. Both were "different level" falls. One employee fell from a high rise glazing project in Atlanta, Georgia. The other was a maintenance employee at the Beauharnois Chemical plant. He fell while checking out an electrical conduit.

During 1985, 119 other employees suffered disabling injuries which resulted in 3,704 work days lost (See Pgs. 25 to 27 for breakdown.) This averaged 31 days lost per injury which was up from 26 days per injury in 1984.

"Strains & Sprains" now called overexertion once again accounted for the largest number of disabling injuries -- 32% -- up slightly from 1984. Of these cases, more than half were back injuries. "Falls" accounted for 25% and "Struck By" -- 21% -- the same as 1984 except in reverse order. These three categories accounted for 78% of the corporation's disabling injuries. This has been true for several years.

Two hundred sixty-one other injuries required some restriction in the employee's activities to the extent that he or she could not perform all the duties of the job he or she was doing at the time of the injury. These cases were down, however, over 1984 by 28%.

Noting that disabling injuries and restricted activity cases were both down substantially over 1984 and that total recordable cases were down only 2% from 1,216 to 1,194, the conclusion can be drawn that only the more serious injuries have declined.

Rates are established for each of the three types of injuries: AW's (disabling injuries), RA's (restricted activity), and NF's (non-fatal or medical treatment cases). These rates are plotted on Pages 28 to 33 and show the total corporation and each of the three Groups' performance.

Referring to Page 28, the corporation experienced a total of recordable cases made up of AW's, RA's, and NF's. Of these Recordable Cases, Glass sustained 336, C&R 241, Chemicals 112. Five others occurred to G.O. employees.

Many of these cases result in lost workdays. By adding the days lost away-from-work due to disabling injuries to the restricted activity workdays lost, the Corporation experienced 7,413 days of lost productivity where the employee was unable to do his regularly scheduled job. This amounts to roughly 30 man years where the jobs had to be filled with substituted, retrained, or overtime employees. This is down 18% over 1984. A plot of the breakdown of these days appears on Page 30.

## LOSS PREVENTION COSTS AND ANALYSIS

In 1985, PPG experienced \$7,354,217 in direct costs associated with occupational injuries and illnesses. This is up 14.6% over 1984. (See the Dollar Loss Summary and pie charts on Pages 35 to 40. During 1985, it took about \$8 worth of sales to generate the profit to cover every dollar in injury costs. This means that more than \$58,800,000 of sales were produced to cover our occupational injury and illness costs. This is without consideration for the indirect costs such as replacement personnel, overtime pay, costs for training or operating dispensaries. The National Safety Council estimates these indirect costs at four times the direct costs.

Conversely, the latest statistics from the National Safety Council (1985) show that the average disabling injury rate for all industries was 2.15 (see Page 34). However, the Council also reports that the chemical industry rate was 0.49 and for the stone, clay and glass industry, it was 2.95. A weighted average of these two based on PPG's work hours would result in a national rate of 1.88.

If we would have experienced this weighted average rate in 1985, we would have had 454 more disabling injuries. Translating this into PPG costs on the same basis used above, PPG would have spent about \$35 million on direct injury and illness costs. Thus, our Safety and Health programs "saved" the company at least \$28 million and the need to generate an additional \$224 million in sales by performing better than the average of our industrial counterparts.

Under the Corporate Asset Protection Program "CAPP," losses to assets and paid insurance premiums totaled \$10,615,220. Vehicle accidents and insurance premiums totaled \$1,696,689 and third party claims were \$8,297,676. Adding these to the injury and illness costs, PPG spent \$27,963,802 on "losses." Using the same sales basis above, \$224 million in sales were produced in 1985 to cover all these losses.

PPG is not "perfect," however, and it is recognized that all these costs cannot be saved, but the potential exists to save a large portion with improved safety and loss prevention programs. For injury and illness costs, 82% of the costs were controllable (see Pg. 36). The potential also exists for increased costs if our programs slip.

## SAFETY PERFORMANCE AWARDS

PPG recognizes outstanding safety performance in several ways: long periods of time that reporting units operate without a death or disabling injury; operating a calendar year without a death or disabling injury or a significant improvement in their safety record; and the "President's Challenge" recognizes units that meet or exceed their safety goals that are aimed at injury reduction. The corporation also recognizes any employee that saves a person's life while on the job. (Note summaries on Pages 41 to 46.

Twenty-one reporting units received awards for operating extended periods of time without a death or disabling injury--topped by five locations winning the President's award. Forty-five units operated the entire year without a death or disabling injury. The Ditzler Warehouses accomplished their 13th consecutive year. The President's Safety Challenge recognized 58 reporting units for meeting or exceeding their safety goals to reduce injuries. One employee was honored for saving another person's life.

Thirty-three PPG locations were honored by the National Safety Council for their outstanding performance when compared to their industrial counterparts and their own record for improved safety performance.

Of these, Lexington, NC, Carlisle, PA, and Baltimore, MD were also recognized as "Best in Their Standard Industrial Classification" (SIC) for the entire U.S. Congratulations!

#### OSHA INSPECTION EXPERIENCE

During 1985, OSHA Compliance Officers conducted 42 inspections at PPG locations. (See summaries on Pgs.47 and 48.) We have been experiencing an average of 42 inspections a year since 1971. Forty-two inspections is exactly average and down from the exceptional high 62 of 1984. In this regard, the CP&D portion of our Glass operations received 34 of the 42 inspections.

The most often cited reason for inspection was due to the fact that we were a subcontractor on a construction site. "Employee Complaints" were 10 of the 42 which is up from previous years.

The corporation has incurred a total of \$62,849 in penalties since 1971 with \$2,660 of that experienced in 1985.

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PART II - 1985 ACCOMPLISHMENTS

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## CORPORATE SAFETY & LOSS PREVENTION

### Program Development

One of the primary areas of Program Development was vehicle safety. Two major efforts focused on the use of seat belts and a new approach to defensive driving. A video tape was produced featuring eight PPG employees giving their testimonial stories of how seat belts saved them. A second tape on seat belts was completed as a "music video." Both were distributed throughout the company and made available to civic groups and other companies as well.

A "Commentary Drive" program was developed which is a different approach to teach and review driving skills. This program features a video tape, a Leader's Guide, and a review sheet for the student. The program is particularly useful in the work setting since it is short and the ongoing use of it can be easily integrated into normal work activities.

Numerous other vehicle safety promotions were held at plant locations and General Office. Throughout the year, surveys on seat belt usage were conducted. Conservatively, employee use went up from approximately 15% to over 65%.

All four Corporate Safety Award Programs were continued. Individual recognition awards were added in the Glass Group for the three levels of the Executive Safety Awards.

Employee safety at PPG Place received increased emphasis. Regular safety meetings are being conducted and many safety-related problems were investigated and solved.

Computer capability was enhanced with the addition of an IBM PC AT and several software packages for data handling. One objective being worked on is electronic data input from Group and plant Safety personnel.

### Reporting

Regular reports were continued for the President and the Board of Directors and the Environmental Affairs Committee. External reports to the National Safety Council et. al. were also continued.

International safety statistics were collected throughout the year and format and reporting methods developed to add these to the monthly report in 1986.

### Evaluations

One plant evaluation and two fatality investigations were completed by Corporate Safety. Group Safety personnel conducted many other plant and facility evaluations as noted in their reports.

### Coordination

The Corporate Director of Safety and Loss Prevention chaired the Safety Coordinating Committee and served as secretary to the Employee Health & Safety Subcommittee. Policies and procedures,

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along with other safety issues, were continually reviewed and updated through these intergroup committees.

#### Government Interaction

The Corporate Director of Safety continued membership with and attendance at the Organizational Resources Counselors meetings to remain up to date on government activity in the OSHA and NIOSH areas.

### CORPORATE HEALTH AND TOXICOLOGY

#### Quality Assurance of Health Programs

Health and Medical audits were performed at Fresno, CA (Works #15); Lake Charles, Area B, LA; Shelby, NC (Works #52); Cleveland, OH; Circleville, OH; Kokomo, IN (Works #19); and two European audits at Corona-Saultain, France; and IVI, Milan, Italy.

Ten Health and Medical audits have been scheduled for 1986 and each Group notified of the schedule. One European and one Canadian facility have been included in the 1986 audit program.

Eighty-six percent of the 1984 Health audit findings were closed and 50% of the 1985 audit findings have been resolved. Monthly status report of audit findings and their resolutions was developed for top management.

#### Coordination

The Health Coordinating Committee addressed the Corporate policies and implementation guidelines to the Health care policy statement, corporate internal permissible expense limits, and established a working group to develop respiratory protection interpretive guidelines.

Participated in the Chemical Group's Reproductive Hazards Review Committee on hydrogen sulfide, carbon disulfide, mercury, PPG 1013, PPG 844, and EPTC. Met with consultants to review the merits for establishment of a BFOQ for mercury.

Completed the review and obtained approval from the PPG Publication Review Committee on "Chronic Effects of Low Level Exposures to Chlorine on Pulmonary Function." Prepared comments on the Chlorine Institute's sponsored field investigation of a new monitoring system for chlorine publication.

Maintained and transmitted the latest worldwide incidence of liver tumors (angiosarcomas) for vinyl chloride workers to the Chemical Group.

Provided commentary on Chemical Group Material Safety Data Sheet revisions.

### Litigation

Reviewed depositions of witnesses relative to an alleged lung cancer third party lawsuit involving trichloroethylene. Provided deposition at the Ogletree vs. PPG hearing.

### General Interaction

Performed in in-depth review of the national toxicology program (NTP) carcinogenesis technical reports on methylene chloride, perchloroethylene and trichloroethylene under the auspices of the Halogenated Solvents Industry Alliance (HSIA) and critiqued the report conclusions to show a lack of quality in the scientific conduct of the government-sponsored research.

Completed Phase 2 of the Voluntary Testing Program for EPA under TSCA Section 4 on dioxylene which required evaluation of the quality and conduct of a two-year dioxylene in drinking water study performed previously at Industrial Biotest Laboratories.

Responded to questions presented by the Government Accounting Office representatives relative to the study conduct of Gulf South Research Institute studies.

Participated in the National Toxicology Program (NTP) Audit Resources Contract Selection Peer Review session to assist the Government identify contractors to conduct audits for NTP.

Assembled a group of scientists to critique the European Cancer Study of Professor Maltone relative to vinylidene chloride (VDC) and trichloroethylene. Reactivated the CMA VDC Technical Panel to respond to scientific issues of VDC.

Assisted CMA Technical Panel prepare comments for presentation to the EPA Science Advisory Board on ethylene dichloride evidence of carcinogenicity based upon the National Cancer Institute chronic bioassay.

Successfully completed the negotiations with California OSHA relative to the petition by industry to raise the permissible exposure limits for trichloroethylene. This was a four-year effort on part of the solvent industry.

### Toxicology

Met with ICI UK scientists relative metabolism and mechanism studies in progress in Europe on trichloroethylene and methylene chloride and their assistance in explaining the development of liver tumors in mice.

Participated in a toxicology review of PPG-1013 in conjunction with scientists from Shell Oil International and conducted reviews of registrations and toxicity studies on PPG 844, EPTC and butylates.

Initiated the gathering of information to prepare an audit questionnaire to assure with sufficient confidence that PPG-sponsored toxicology studies are free from major flaws that would invalidate the research.

Successfully completed incorporating revisions to the HSIA-sponsored research on the blind evaluation of mouse livers and kidneys pathology for methylene chloride, trichloroethylene and perchloroethylene.

#### CORPORATE MEDICAL

Health and Medical Audits were accomplished at the following plant sites: Fresno, CA, January 14-18, 1985; Lake Charles, LA Plant B, February 25-28 and April 3-5, 1985; Shelby, NC, April 29-May 2, 1985; Cleveland, OH, June 17-21, 1985; Circleville, OH, August 19-25, 1985; Kokomo, IN, September 16-20, 1985, plus two C&R plants in Europe in November, 1985--Corona-Saultain, France, November 4-14, 1985, and IVI, Milan, Italy, November 18-28, 1985.

Position guidelines have been written for the following:

- A. Smoking
- B. Wellness
- C. Professional Liability (malpractice insurance coverage for PPG physicians, nurses and other medical service providers both full and part time).

The Corporate Medical Director developed and assisted in implementation by contracting individual group's plant physicians, hospital staffs and emergency room physicians, 12 examination and medical surveillance programs and protocols.

#### CORPORATE SECURITY

Oversight of the PPG Place security program and related matters was accomplished. Assistance was given to Oliver Realty on thefts at PPG Place, harassment/sex-type telephone calls, a drug problem, indiscretion of an employee and other minor incidents. Training video tapes, films, slides and cassettes were provided to Gregg Security and Oliver Realty on bomb threats, report writing, observations, Civil law, Security Officers' duties and responsibilities. The card access system time zones and status levels were updated. A successful use-test program for replacement Ni-Cad radio batteries was conducted at PPG Place for the benefit of PPG field locations.

A number of precious metal and minor tin shipments were made without incident or loss. A long show investigation on missing silver and copper from a plant was initiated.

Counsel and assistance was provided to Group and Staff Department security efforts both in the field and General Office covering

protection of proprietary information; telephone security equipment; access control, radio, CCTV, radio telephone interconnect, alarm and special systems equipment; drug problems; contract security and related matters; provided information on interviewing and investigative techniques to corporate auditing; obtained information on a company for possible acquisition; information on travel considerations, terrorism, kidnapping and extortion was provided to two operating Groups.

Reviewed bids at request of Purchasing Department for certain equipment and systems providing observations and recommendations. Provided Dupont's Chief Auditor with suggestions on implementing a revised inventory and accounting plan. Upon request of FBI, provided information and contacts on 1972 titanium thefts which led to final resolution of thefts, the discovery of a trailer truck loaded with the metal buried south of Pittsburgh and sale of part of the stolen metal to Libya.

A number of investigations were conducted involving sale and use of drugs on plant premises; business ethics; a scandal involving a PPG salaried employee; murder of an employee; harassment of a female supervisor (which resulted in the conviction of the harasser) and product thefts at Dresser-Magcobar. Several plant security reviews were accomplished.

A uniform procedure for purchase of radio equipment and standardization of equipment for use in the CP&D and CCG Groups was achieved. Recommendations for security and safety improvements at the PPG Hangar were initiated with most implemented by year end. A mobile service for the total destruction of confidential and sensitive documents, computer printouts, etc. was demonstrated with one research center electing to use the service on a regular basis with realized cost savings.

A study of available cellular radio telephone equipment, coverages and service was made with results and recommendations made to management. Enhanced alarm systems for special applications were reviewed and tested with very good results.

#### GLASS GROUP SAFETY

The Glass Group conducted nine Safety Program evaluations, six follow-up visits and conducted one cross group evaluation. The Mutual Aid program was expanded to include all Glass Group Safety Managers and all CP&D Units. This resulted in ninety-six Branch visits and fifty-two construction site visits in North America.

New programs included the development of small unit injury management guidelines, the installation of special seat belt plaques for all Glass Group vehicles, and the classification of all Canadian injuries in Pittsburgh. For the first time, European accident records were reported on our monthly reporting system. Computerization of internal Group safety statistics was further developed. A Glass Group individual recognition motivation program was implemented.

CP&D safety handbooks for Branch and CCG operations were updated and published, CP&D initiated a safety strategy designed to

aggressively reduce their accident frequency. A mandatory foot protection program, extensive training and communication, and effective use of the mutual aid program and safety recognition programs were all a part of their action plan.

Numerous safety training and organizational development efforts were initiated in 1985. These included conducting eight two or three-day branch management safety training sessions, two CCG management training sessions, and one Safety Supervisor mutual aid training program. Over two hundred fifty CP&D management members and thirteen Safety Supervisors participated in these sessions. Presentations were given at two of the line management that were recently transferred to Pittsburgh. A two-week orientation was given to the Safety Managers from France and Italy. A new video, "The Safety Zone," designed to enhance PPG's Glass Group Personal Protective Equipment, was produced and distributed throughout the Glass Group.

Intensive factory safety emphasis continued. For the first time, no U.S. plant incurred more than two AW cases and no Glass Group facility in North America incurred more than three AW cases. Lexington, Carlisle, Shelby and Fiber Glass Research were all honored with the President's Award.

#### GLASS GROUP HEALTH

Industrial hygiene input was provided to the Tipton facility regarding the health concerns of the Center High Mounted Stoplight (CHMSL) project. A sampling program for this project was established with analysis conducted at the C&R and Glass Group Industrial Hygiene Laboratories.

Mobile van testing (chest x-ray and pulmonary function) continued for employees in the asbestos, silica, and respiratory protection programs. Facilities utilizing the mobile van in 1985 include Works 1, 4, 6, 8, 14, 22, and 26 (a total of 1293 employees tested).

A glass and metal fab center and branch seminar was conducted for managers to provide noise survey training and to discuss industrial hygiene concerns including hazard communication.

Noise control work continues with Glass Engineering to achieve noise reductions at Glass tempering facilities. In 1985, three tempering lines were successfully enclosed.

The organic vapor analysis-quality control program continues with the C&R Group. Outside laboratories are being utilized to improve service to Glass Group facilities.

Glass Group has developed a Hazard Communication Implementation Program to comply with OSHA's Hazard Communication Standard. This program consists of a completed MSDS entry system on the corporate computer, a system for rating each MSDS, and a method of transmitting the label requirements to each facility.

A Hazard Communication Training Program including two video tapes produced by Corporate Communications has been distributed to all Glass Group facilities.

MSDS's have been developed and distributed for 19 Fiber Glass and three Glass products.

An industrial hygiene survey was conducted during the Fresno glass tank cold repair. Sampling guidelines have been established for future repairs and for other silica brick handling procedures.

Employee audiometric test records are computerized and evaluated in accordance with PPG and OSHA criteria with the revised Glass Group audiometric computer program.

The Industrial Hygiene staff assisted Works 9 personnel in evaluating potential employee exposures during trial Sungate 200 production and maintenance duties. The Sungate 200 process implemented at Works 14 incorporated engineering designs to control employee exposures.

#### CHEMICAL GROUP SAFETY

1985 was planned as a year of consolidation, to firm up the very significant improvements in safety performance in 1983 and 1984. The focal point continued to be Chemical Safety -- Priority #1. Ambitious goals were set to say ahead of the President's Challenge with special emphasis on the importance of Recordable Injuries. The AWC goal was not made (8 actual/4 objective), but the Recordable Injury goal was very close (112 actual/107 objective).

Executive Safety Awards were earned by Lake Charles, Barberton Manufacturing, and Natrium. Special Recognition Awards were earned by Stockertown and Kalium Manufacturing. Industrial Chemical Sales and Corpus Christi qualified for the President's Award.

Safety Program Review activities were conducted at Beauharnois, Lake Charles, Barberton Manufacturing and Technical Center, and LaPorte with other inspection visits to Michigan Potash, Oil and Gas, and Chicago. Two facilities were reviewed as acquisition candidates.

OSHA inspection activity was very moderate. A Lake Charles contractor was inspected for an alleged health exposure, and Barberton Manufacturing was inspected for Hazard Communication compliance. Chemicals did not receive any citation in 1985.

Traffic safety was very active with major support given to the corporate production of video tapes on seat belts and Commentary Drive (driver training). In addition, a Group program was instituted to provide child safety seats to newborn dependents. One hundred twenty-six seats were awarded over seven months. The campaign to encourage employees to "Buckle Up" was successful.

The 11th Annual Chemicals Fire Training School was conducted at Texas A&M University with 48 students and 12 instructors in attendance.

The major casualty loss for the year was a valve failure and resulting fire in the triethane unit at Lake Charles. Beaumont experienced a major motor failure and catalyst damage in separate

incidents. Significant effort was made as a contributor to the Chemicals effort to compile and review an inventory of chemical hazards and process hazards in all facilities. These data were reduced to computer data bases, and ranked in importance for further, detailed review. Insurance reviews and fire protection liaison with insurers on a large number of small projects was provided to assist plant personnel.

Joseph Guillory, Lake Charles, was presented the Corporate Lifesaving Award for saving a fellow employee who had fallen in front of a moving rail car.

#### CHEMICALS GROUP HEALTH

Throughout 1985, a significant part of the industrial hygiene effort was toward the Chemicals CHAR (Chemical Hazard Assurance Review) and the PHAR (Process Hazard Assurance Review) programs. Industrial hygiene and toxicology provided the toxicology sections of these reviews.

The Group Hazard Communication Program was finalized in 1985. Pre-compliance activity also began immediately afterwards. In addition, the construction of a computer program to help the plants address this regulation began.

The Chemicals Occupational Health/Industrial Hygiene Manual was completed and distributed early in the year. This manual includes all Corporate and Group procedures in these areas in addition to various guidelines, compliance plans, and sampling and analytical procedures. This effort was undertaken to make it easier for plants to maintain and reference these documents.

The powerhouse asbestos demolition job at the Barberton plant was completed during 1985. This job, which required detail follow-up, was completed with no major incidents.

In 1985, the Ohio Department of Health completed the Barberton Lime Lakes Studies. These studies, which ended after approximately three years of work, found no remarkable evidence of birth defects, learning disabilities, or malignant diseases that could be associated with the Lime Lakes.

Occupational Health information meetings were held with employees of PPG chlorinated solvent customers. This was done with representatives of product safety and technical service.

Training/information sessions on two specialty chemicals were held during 1985. These sessions, which were held for the benefit of R&D employees, addressed the occupational health and industrial hygiene aspects of PPG-1013 and chloropivaloyl chloride.

In 1985, industrial hygiene monitoring plans were written with the idea of statistical analysis being performed on the data. This was undertaken to provide more decision-making information and to ultimately reduce the amount of sampling.

## COATINGS & RESINS GROUP SAFETY

The Coatings and Resins Group commitment to safety continued with a Safety Summit held in February, 1985. Plant and Safety Managers from each location in the U.S. and Canada participated in a day-long discussion of safety programs, employee involvement, perceived management commitment, and management expectations. The session was concluded with Dr. Dan Petersen, safety consultant, conducting a presentation on his observations of the day's discussions.

Safety representatives from European facilities met in Milan in March to discuss common problems in reporting safety statistics, employee awareness and safety philosophy. Participation and idea exchange was informative and worthwhile to all attendees. Safety statistics were submitted monthly from all international operations during 1985.

Workers' Compensation continues to be monitored closely. The Hartford Specialty Claims Service, after some early communication problems has done an acceptable job in monitoring compensable cases in non-manufacturing locations. Their involvement in Texas and California has resulted in improved monitoring of Workers' Compensation for manufacturing locations in those states.

The C&R Group continued its commitment to safety with strong support for the PPG Buckle Up Program. Before and after seat belt surveys were conducted at all facilities with overall participation increasing to 64%. Facilities have worked with local communities in publicizing the seat belt message and have made video tapes and information available to civic groups, schools, and law enforcement agencies.

The Coatings and Resins Group continues to administer the Corporation Fire School in Ford City, PA. In 1985, 80 students were taught fire fighting techniques and leadership in basic and advanced courses. Since its inception in 1967, over 1,300 students have been given training at the Corporate Fire School.

Safety Programs in Trade Sales and Ink Operations continued to be monitored by C&R Group Safety Personnel. Awareness campaigns and visits from Group Safety staff were utilized in communicating safety policies to field locations.

A Global Safety & Health Conference was held in October with participants from all locations worldwide. In conjunction with the conference was a one-day meeting with the plant managers as a follow-up to the Safety Summit held in February.

During 1985, safety evaluations were conducted at seven locations in the U.S. and Canada with eighteen other locations being visited for safety-related purposes such as training, engineering, or orientation of new safety professionals.

## COATINGS & RESINS GROUP HEALTH

### Overview

In 1985, C&R occupational health efforts were concentrated on maintaining and upgrading existing programs, meeting the challenge of new government regulations, and expanding industrial hygiene services to additional domestic and international operations. Emphasis was placed on integrating new facilities into the Group's program.

### Medical Program

Implementation of the C&R Medical Monitoring Program progressed, with four additional manufacturing facilities brought on line in 1985. Computer hardware and software were upgraded for each of the original sites. The program was expanded beyond the manufacturing and Research & Development segments of the C&R workforce to include the Automotive Refinish sales force.

### C&R Facility Evaluation

Comprehensive Industrial Hygiene Surveys/Program Reviews were conducted at eight C&R facilities, with a concentration on automotive original and refinish operations.

Routine monitoring and documentation of facility work environment quality continued to be a major effort. The Industrial Hygiene Laboratory analyzed over 3,100 workroom air samples for more than 28,000 discrete analyses. In addition, over 400 noise dosimetry samples were obtained. Results of monitoring continued to indicate good control of employee exposures. A routine monitoring program was initiated for Packaging Inks.

Special industrial hygiene training was designed and completed for approximately 50% of the Auto Refinish sales force. Guidelines for proper handling and use of two-component coating systems involving isocyanides as curing agents were developed for use in employee and customer training.

### Regulatory Compliance

The C&R Industrial Hygiene Department continued to administer programs for compliance with OSHA health standards, including the comprehensive standards regulating lead, acrylonitrile, ethylene oxide, noise, vinyl chloride, employee access to information, hazard communication, and asbestos. Asbestos elimination efforts continued throughout C&R.

### Engineering

Participation in the design of new C&R processes and facilities was a major activity again in 1985. Technical assistance was provided in the design and engineering of over forty capital projects. This included input to several European and Far East ventures. Ventilation improvements were designed for three Packaging Inks facilities.

### Communication/Training

The Group's on-going hazard education efforts included evaluation and assignment of 2,000 new or revised Safety and Health Index System classifications for C&R raw materials. Compliance with the OSHA Hazard Communication Rule was a major undertaking requiring re-evaluation of over 4,500 C&R raw materials, microfiching of raw material safety data sheets for plant use, and initiation of training program development.

PART III - STATISTICAL REVIEW WITH CHARTS

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## DEFINITION OF TERMS AND FORMULAS

1. AW, Away-From-Work-Case - is any occupational injury or illness which results in death, permanent impairment, or which renders the injured person unable to work for a full day on any job on any regularly scheduled work day after the injury.
2. Disabling Injury - same as an Away-From-Work-Case.
3. ADWL, Away-From-Work Days Lost - are all the days which an employee was scheduled to work, but could not perform any job due to the occupational injury or illness.
4. Fatality - is any occupational injury or illness resulting in death regardless of time between the injury or length of illness and the subsequent death.
5. First Aid Case - One time treatment and subsequent observation of minor scratches, cuts, burns, splinters which do not ordinarily require professional medical care even though the treatment was provided by a physician or registered professional personnel.
6. Lost Work Days - Those days which the employee would have worked but could not because of an occupational injury or illness. The number of lost work days does not include the day of injury, but does include all days (consecutive or not) on which, because of injury or illness: a) the employee would have worked but could not; or b) the employee was assigned to do a temporary job; or c) the employee worked at a permanent job less than full time; or d) the employee worked on a permanently assigned job but could not perform all duties normally assigned to it.
7. Doctor or Medical Treatment Case - Medical Treatment includes treatment administered by a physician or by registered professional personnel under the standing orders of a physician. Medical treatment does not include first aid treatment.
8. NF, Non-Fatal Case - is an occupational injury or illness which did not involve a fatality or lost work days but did result in: a) transfer to another job or termination of employment; or b) medical treatment other than first aid; or c) diagnosis of occupational illness; or d) loss of consciousness; or e) restriction of work or motion.
9. RC, Recordable Case - is any occupational injury or illness which results in a Fatality, Lost Work Day Case, or Non-Fatal Case Without Lost Work Days.
10. TDL, Total Days Lost - Total number of Lost Work Days.
11. LW, Lost Work Case - is any occupational injury or illness which renders an employee unable to perform his regularly scheduled job. A lost work case can be an AW or an RA. The total of all AW's and RA's equals the total LW's. (AW's + RA's = LW's)

12. RA, Restricted Activity Case - is any occupational injury or illness which renders an employee unable to perform all duties of his regularly scheduled job or the employee was assigned to do a temporary job on any regularly scheduled day after the injury or illness.

#### FORMULAS

1. (AW) AWAY-FROM-WORK INCIDENCE RATE

This rate reflects the number of occupational disabling injuries or illnesses experienced per 100 full-time employees working a full year (2,000 manhours each).

$$(AW) \text{ Incid. Rate} = \frac{\text{Total No. of Disabl. Inj. or Ill.} \times 200,000}{\text{Total Workhours}}$$

2. (AWDL) AWAY-FROM-WORK DAYS LOST INCIDENCE RATE

This rate reflects the number of regularly scheduled work days lost due to occupational injuries or illnesses per 100 full-time employees working a full year (2,000 manhours each).

$$(AWDL) \text{ Incidence Rate} = \frac{\text{Total Number of AW Days Lost} \times 200,000}{\text{Total Workhours}}$$

3. (LW) LOST WORKDAY INCIDENCE RATE

This rate reflects the number of lost workday cases per 100 full-time employees working a full year (2,000 manhours each).

$$(LW) \text{ Incidence Rate} = \frac{\text{Total Number Lost Workday Cases} \times 200,000}{\text{Total Workhours}}$$

4. (NF) NON-FATAL WITHOUT LOST WORKDAY INCIDENCE RATE

This rate reflects the number of Non-fatal Without Lost Workday cases per 100 full-time employees working a full year (2,000 manhours each).

$$(NF) \text{ Incidence Rate} = \frac{\text{Total Number of Non-fatal Cases Without Lost Workday} \times 200,000}{\text{Total Workhours}}$$

5. (NSC) NATIONAL SAFETY COUNCIL INCIDENCE RATE

This rate reflects the number of occupational disabling injuries or illnesses plus fatalities experienced per 100 full-time employees working a full year (2,000 manhours each).

$$(NSC) \text{ Incidence Rate} = \frac{\text{Total Number of Disabling Injuries or Illnesses Plus Fatalities} \times 200,000}{\text{Total Workhours}}$$

6. (RC) RECORDABLE CASE INCIDENCE RATE

This rate reflects the number of OSHA Recordable Cases per 100 full-time employees working a full year (2,000 manhours each).

$$(RC) \text{ Incidence Rate} = \frac{\text{Total Number of OSHA Recordable Cases} \times 200,000}{\text{Total Workhours}}$$

7. (TDL) TOTAL DAYS LOST INCIDENCE RATE

This rate reflects the total days lost from regularly scheduled jobs due to occupational injuries or illnesses experienced per 100 full-time employees working a full year (2,000 manhours each).

(TDL) Total Days Lost = Days lost from injuries requiring time away from work plus the days lost from regularly scheduled jobs (Restricted activity cases).

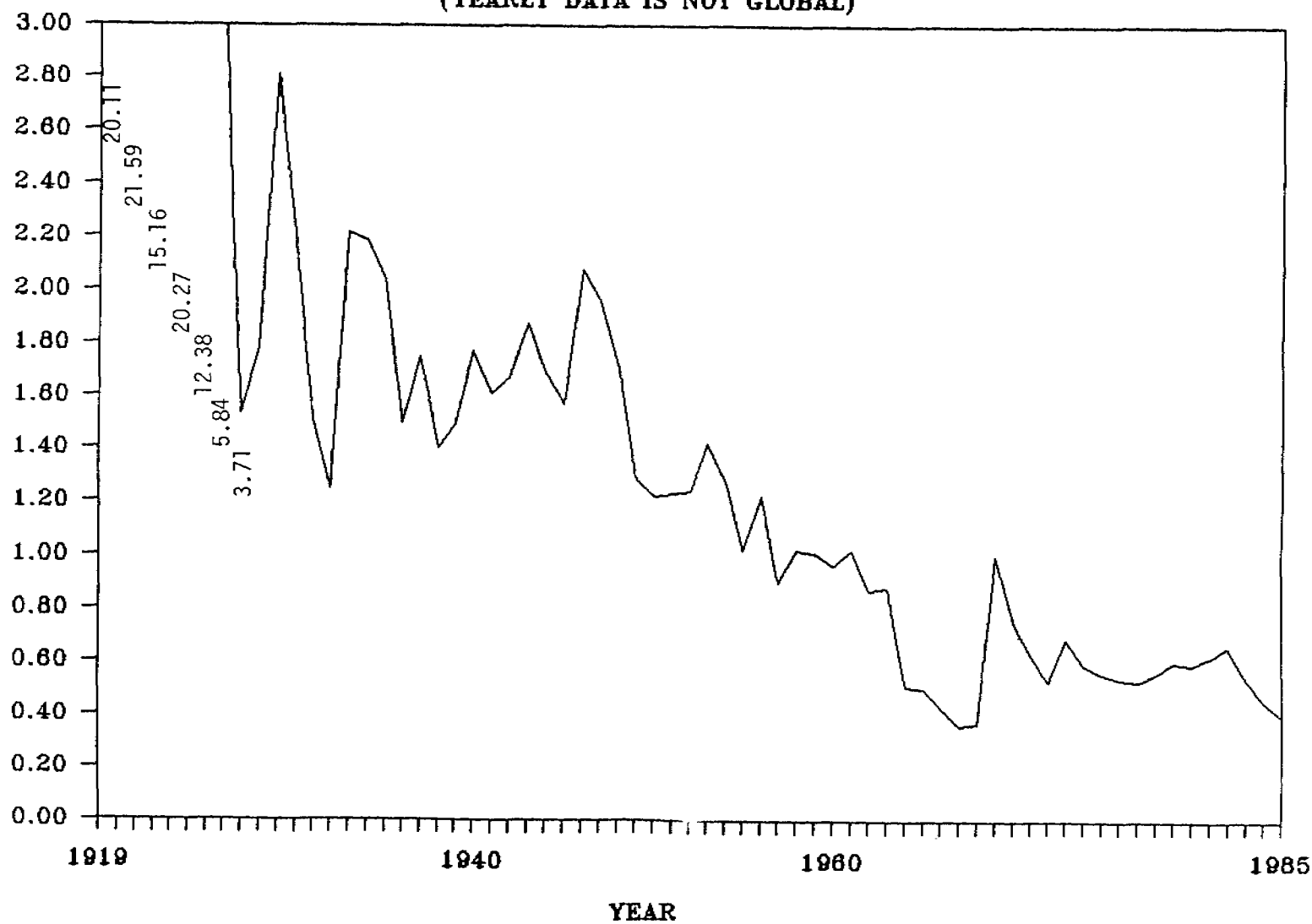
$$(TDL) \text{ Incidence Rate} = \frac{\text{Total Days Lost} \times 200,000}{\text{Total Workhours}}$$

SL 103529

# TOTAL CORPORATION

(YEARLY DATA IS NOT GLOBAL)

NSC INCIDENCE RATE



NSC RATE HISTORY PLOTTED ON PAGE 23  
FOR ALL THE CORPORATION'S REPORTING OPERATIONS

| <u>YEAR</u> | <u>NSC RATE</u> | <u>YEAR</u> | <u>NSC RATE</u> |
|-------------|-----------------|-------------|-----------------|
| 1919        | 20.11           | 1952        | 1.24            |
| 1920        | 21.59           | 1953        | 1.42            |
| 1921        | 15.16           | 1954        | 1.28            |
| 1922        | 20.27           | 1955        | 1.02            |
| 1923        | 12.38           | 1956        | 1.22            |
| 1924        | 5.84            | 1957        | 0.90            |
| 1925        | 3.71            | 1958        | 1.02            |
| 1926        | 3.15            | 1959        | 1.01            |
| 1927        | 1.53            | 1960        | 0.96            |
| 1928        | 1.78            | 1961        | 1.02            |
| 1929        | 2.81            | 1962        | 0.87            |
| 1930        | 2.22            | 1963        | 0.88            |
| 1931        | 1.52            | 1964        | 0.51            |
| 1932        | 1.25            | 1965        | 0.50            |
| 1933        | 2.22            | 1966        | 0.43            |
| 1934        | 2.19            | 1967        | 0.36            |
| 1935        | 2.04            | 1968        | 0.37            |
| 1936        | 1.50            | 1969        | 1.00            |
| 1937        | 1.75            | 1970        | 0.75            |
| 1938        | 1.40            | 1971        | 0.63            |
| 1939        | 1.49            | 1972        | 0.53            |
| 1940        | 1.77            | 1973        | 0.69            |
| 1941        | 1.61            | 1974        | 0.59            |
| 1942        | 1.67            | 1975        | 0.56            |
| 1943        | 1.88            | 1976        | 0.54            |
| 1944        | 1.69            | 1977        | 0.53            |
| 1945        | 1.57            | 1978        | 0.56            |
| 1946        | 2.08            | 1979        | 0.60            |
| 1947        | 1.96            | 1980        | 0.59            |
| 1948        | 1.71            | 1981        | 0.62            |
| 1949        | 1.29            | 1982        | 0.66            |
| 1950        | 1.22            | 1983        | 0.54            |
| 1951        | 1.23            | 1984        | 0.46            |
|             |                 | 1985        | 0.40            |

SL 103531

1985  
ANALYSIS OF DEATHS AND DISABLING INJURIES  
TOTAL CORPORATION

|                             | <u>Total<br/>Cases</u> | <u>Breakdown</u> | <u>% of Grand Total</u> |
|-----------------------------|------------------------|------------------|-------------------------|
| <u>STRUCK BY</u>            | 26                     |                  | 21                      |
| Objects.....                | 21                     |                  |                         |
| Glass.....                  | 5                      |                  |                         |
| <u>STRUCK AGAINST</u>       | 7                      |                  | 6                       |
| Objects.....                | 4                      |                  |                         |
| Glass.....                  | 3                      |                  |                         |
| <u>FALLS</u>                | 30                     |                  | 25                      |
| Lower Level.....            | 20                     |                  |                         |
| Same Level.....             | 10                     |                  |                         |
| <u>OVEREXERTION</u>         | 38                     |                  | 32                      |
| Back.....                   | 20                     |                  |                         |
| Ankle.....                  | 1                      |                  |                         |
| Hand/wrist.....             | 1                      |                  |                         |
| Shoulder.....               | 7                      |                  |                         |
| Knee.....                   | 5                      |                  |                         |
| Neck.....                   | 1                      |                  |                         |
| Other.....                  | 3                      |                  |                         |
| <u>BURNS</u>                | 9                      |                  | 7                       |
| Thermal.....                | 7                      |                  |                         |
| Chemical.....               | 1                      |                  |                         |
| Electrical.....             | 1                      |                  |                         |
| <u>CAUGHT BETWEEN</u>       | 4                      |                  | 3                       |
| <u>GAS INHALATION</u>       | 1                      |                  | 1                       |
| <u>VEHICLE INJURIES</u>     |                        |                  |                         |
| <u>OCCUPATIONAL DISEASE</u> |                        |                  |                         |
| <u>HERNIA</u>               | 4                      |                  | 3                       |
| <u>OTHER</u>                |                        |                  |                         |
| <u>FATALITY (Falls)</u>     | 2                      |                  | 2                       |
| GRAND TOTAL                 | 121                    |                  | 100%                    |

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1985

ANALYSIS OF DEATHS AND DISABLING INJURIES  
MANUFACTURING

|                                  | Total<br>Cases | Breakdown | % of Grand Total |
|----------------------------------|----------------|-----------|------------------|
| <u>STRUCK BY</u>                 | 7              |           | 14               |
| Objects.....                     | 6              |           |                  |
| Glass.....                       | 1              |           |                  |
| <u>STRUCK AGAINST</u>            | 2              |           | 4                |
| Objects.....                     | 2              |           |                  |
| Glass                            |                |           |                  |
| <u>FALLS</u>                     | 17             |           | 33               |
| Lower Level.....                 | 10             |           |                  |
| Same Level.....                  | 7              |           |                  |
| <u>OVEREXERTION</u>              | 13             |           | 25               |
| Back.....                        | 7              |           |                  |
| Ankle.....                       | 1              |           |                  |
| Hand/Wrist.....                  | 1              |           |                  |
| Shoulder.....                    | 1              |           |                  |
| Knee.....                        | 2              |           |                  |
| Neck.....                        | 0              |           |                  |
| Other.....                       | 1              |           |                  |
| <u>BURNS</u>                     | 5              |           | 10               |
| Thermal.....                     | 4              |           |                  |
| Chemical                         |                |           |                  |
| Electrical.....                  | 1              |           |                  |
| <u>CAUGHT BETWEEN</u>            | 3              |           | 6                |
| <u>GAS INHALATION</u>            | 1              |           | 2                |
| <u>VEHICLE INJURIES</u>          |                |           |                  |
| <u>OCCUPATIONAL DISEASE</u>      |                |           |                  |
| <u>HERNIA</u>                    | 2              |           | 4                |
| <u>OTHER</u>                     |                |           |                  |
| <u>FAT<sup>m</sup> TY (Fall)</u> | <u>1</u>       |           | <u>2</u>         |
| AND TOTAL                        | 51             |           | 100%             |

SL 103533

1985  
ANALYSIS OF DEATHS AND DISABLING INJURIES  
COMMERCIAL PRODUCTS & DISTRIBUTION DEPARTMENT

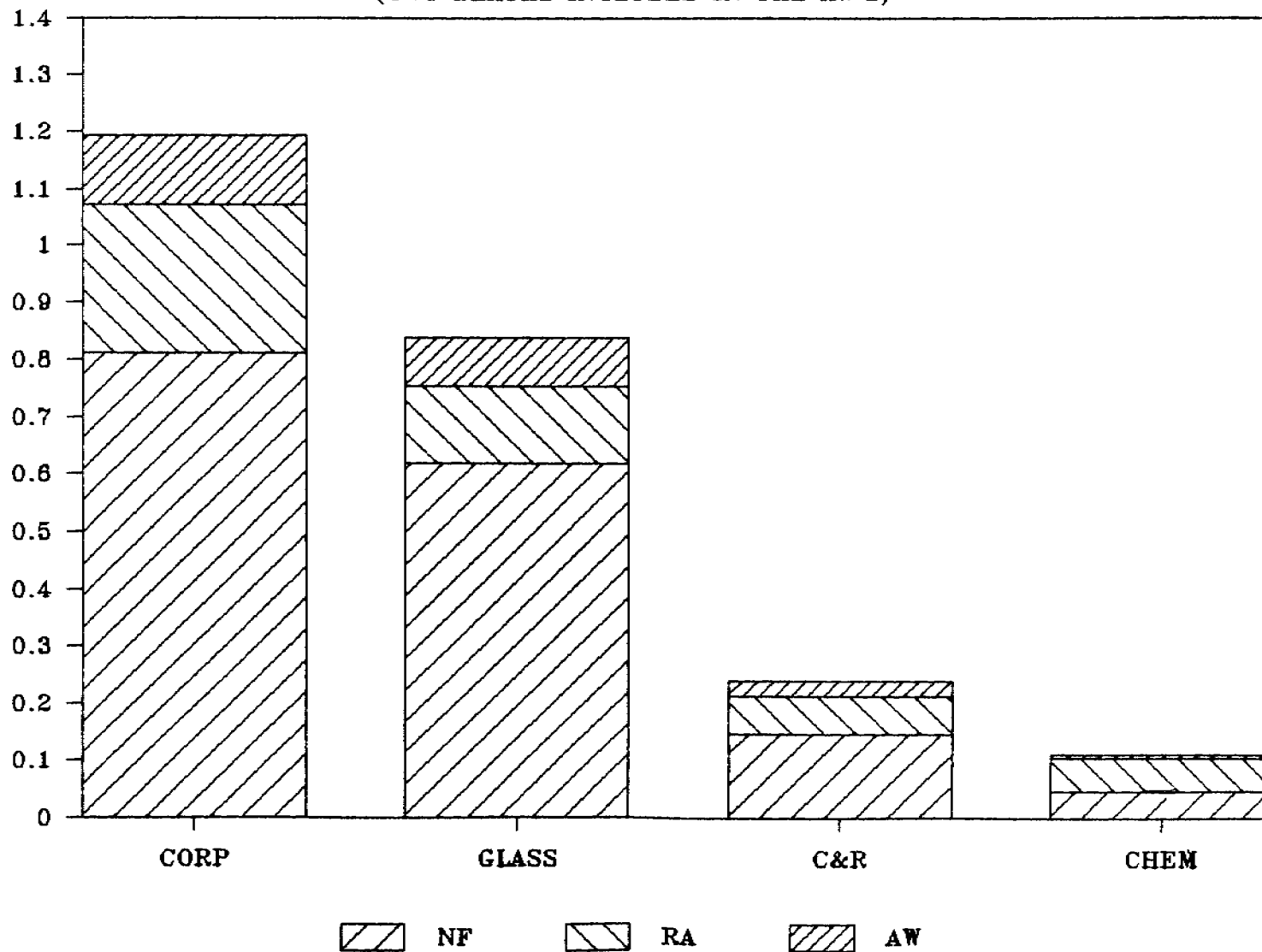
|                             | <u>Total<br/>Cases</u> | <u>Breakdown</u> | <u>% of Grand Total</u> |
|-----------------------------|------------------------|------------------|-------------------------|
| <u>STRUCK BY</u>            | 17                     |                  | 29                      |
| Objects.....                |                        | 13               |                         |
| Glass.....                  |                        | 4                |                         |
| <u>STRUCK AGAINST</u>       | 4                      |                  | 7                       |
| Objects.....                |                        | 1                |                         |
| Glass.....                  |                        | 3                |                         |
| <u>FALLS</u>                | 11                     |                  | 19                      |
| Different Level.....        |                        | 9                |                         |
| Same Level.....             |                        | 2                |                         |
| <u>OVEREXERTION</u>         | 19                     |                  | 33                      |
| Back.....                   |                        | 10               |                         |
| Ankle                       |                        |                  |                         |
| Hand/Wrist                  |                        |                  |                         |
| Shoulder.....               |                        | 5                |                         |
| Knee.....                   |                        | 2                |                         |
| Neck.....                   |                        | 1                |                         |
| Other.....                  |                        | 1                |                         |
| <u>BURNS</u>                | 3                      |                  | 6                       |
| Thermal.....                |                        | 2                |                         |
| Chemical                    |                        |                  |                         |
| Electrical.....             |                        | 1                |                         |
| <u>CAUGHT BETWEEN</u>       | 1                      |                  | 1                       |
| <u>GAS INHALATION</u>       |                        |                  |                         |
| <u>VEHICLE INJURIES</u>     |                        |                  |                         |
| <u>OCCUPATIONAL DISEASE</u> |                        |                  |                         |
| <u>HERNIA</u>               | 2                      |                  | 3                       |
| <u>OTHER</u>                |                        |                  |                         |
| <u>FATALITY (Falls)</u>     | <u>1</u>               |                  | <u>2</u>                |
| GRAND TOTAL                 | 58                     |                  | 100%                    |

SL 103534

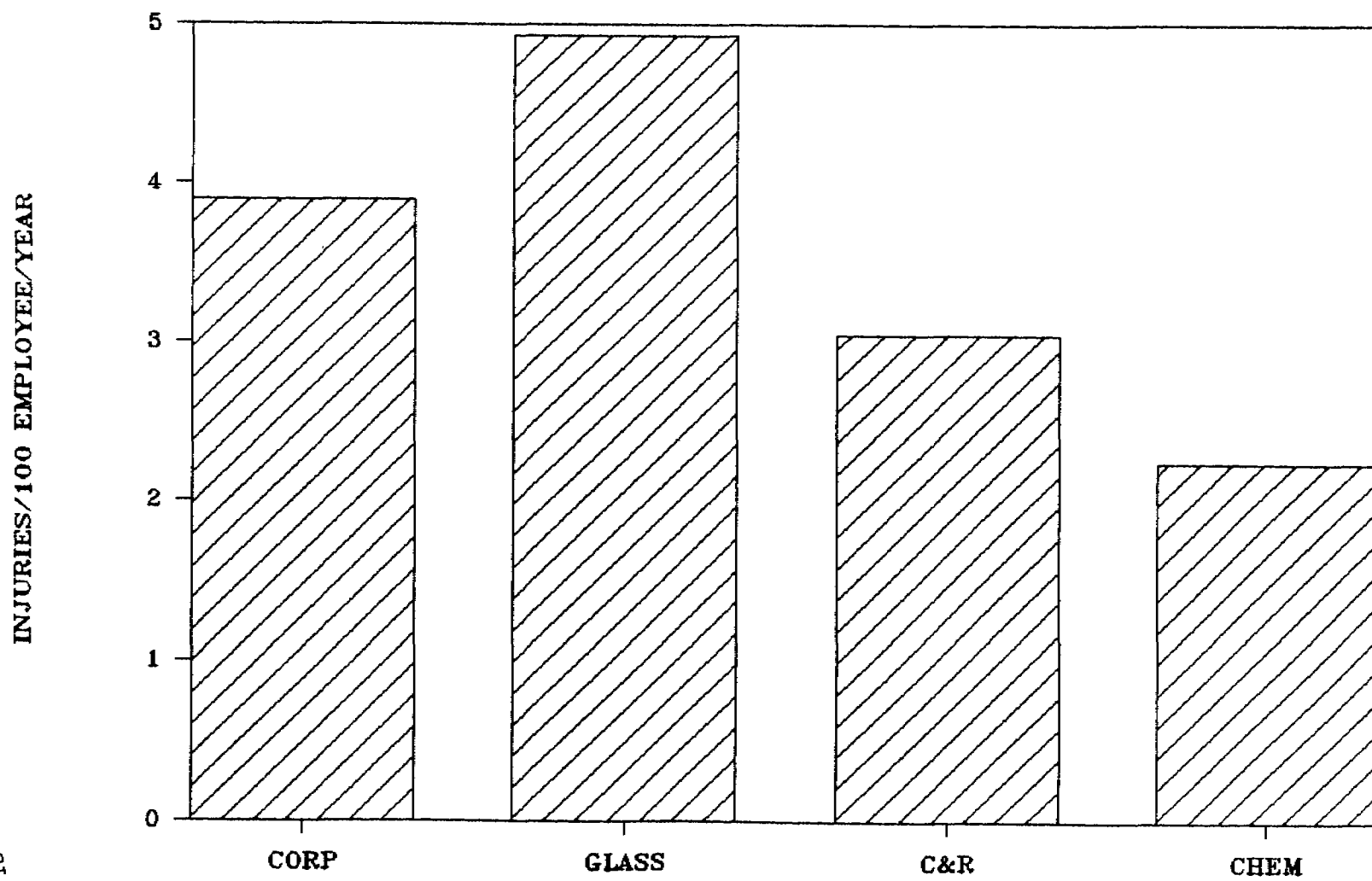
# TOTAL RECORDABLE CASES

(TWO DEATHS INCLUDED IN THE AW'S)

NUMBER OF CASES  
(Thousands)

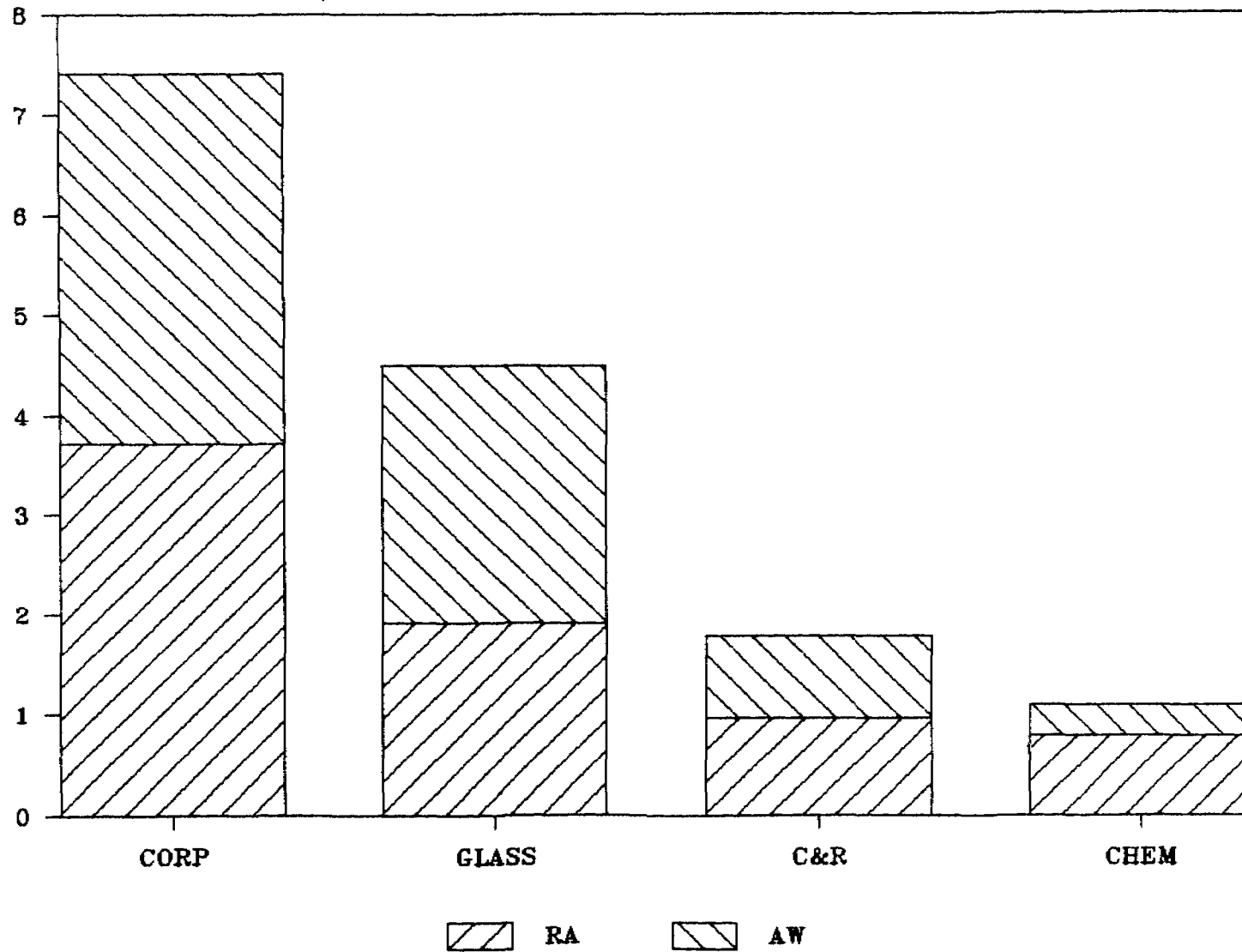


## 1985 RC (TOT RECORDABLE) CASE RATES

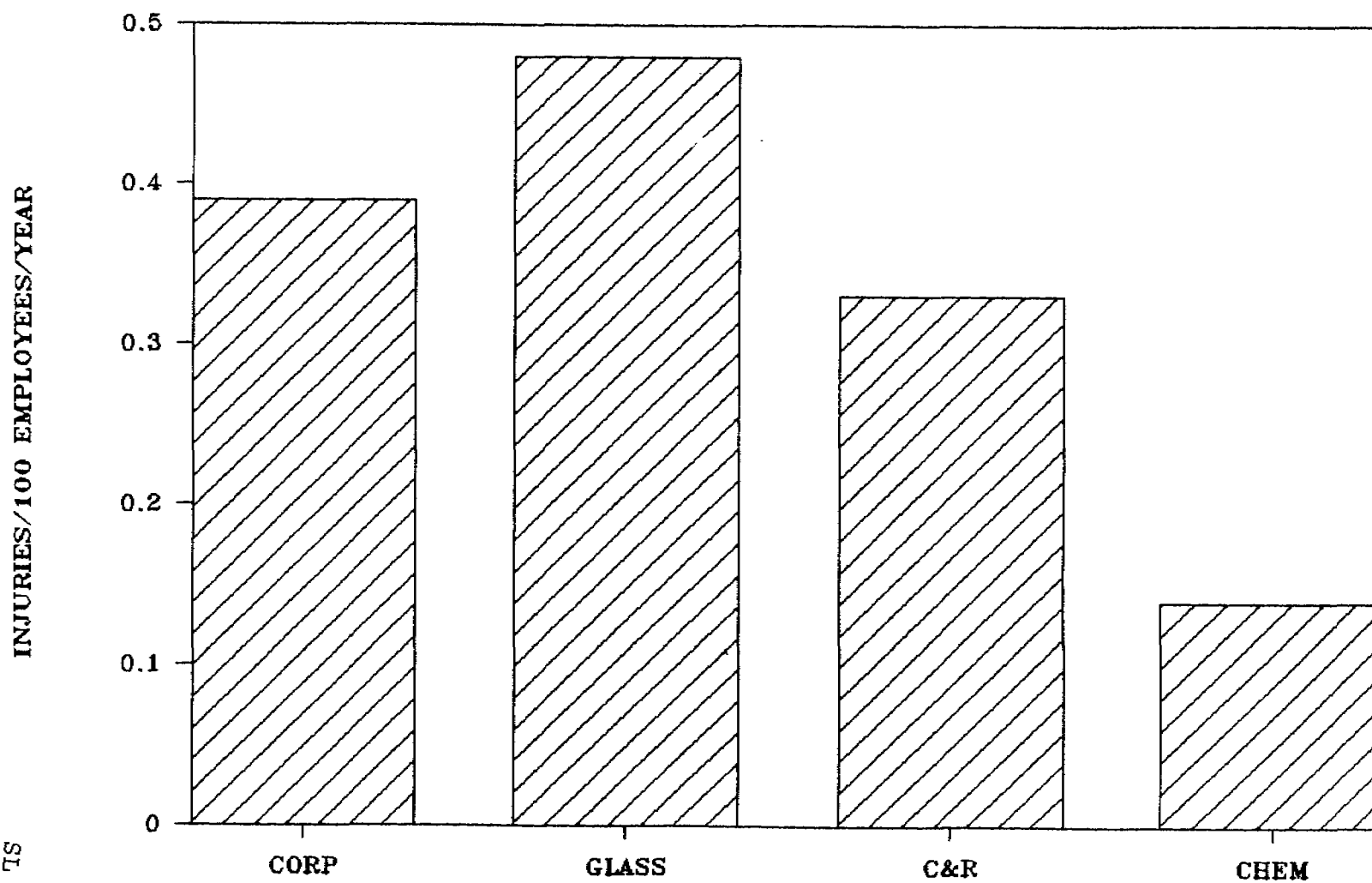


# WORKDAYS LOST

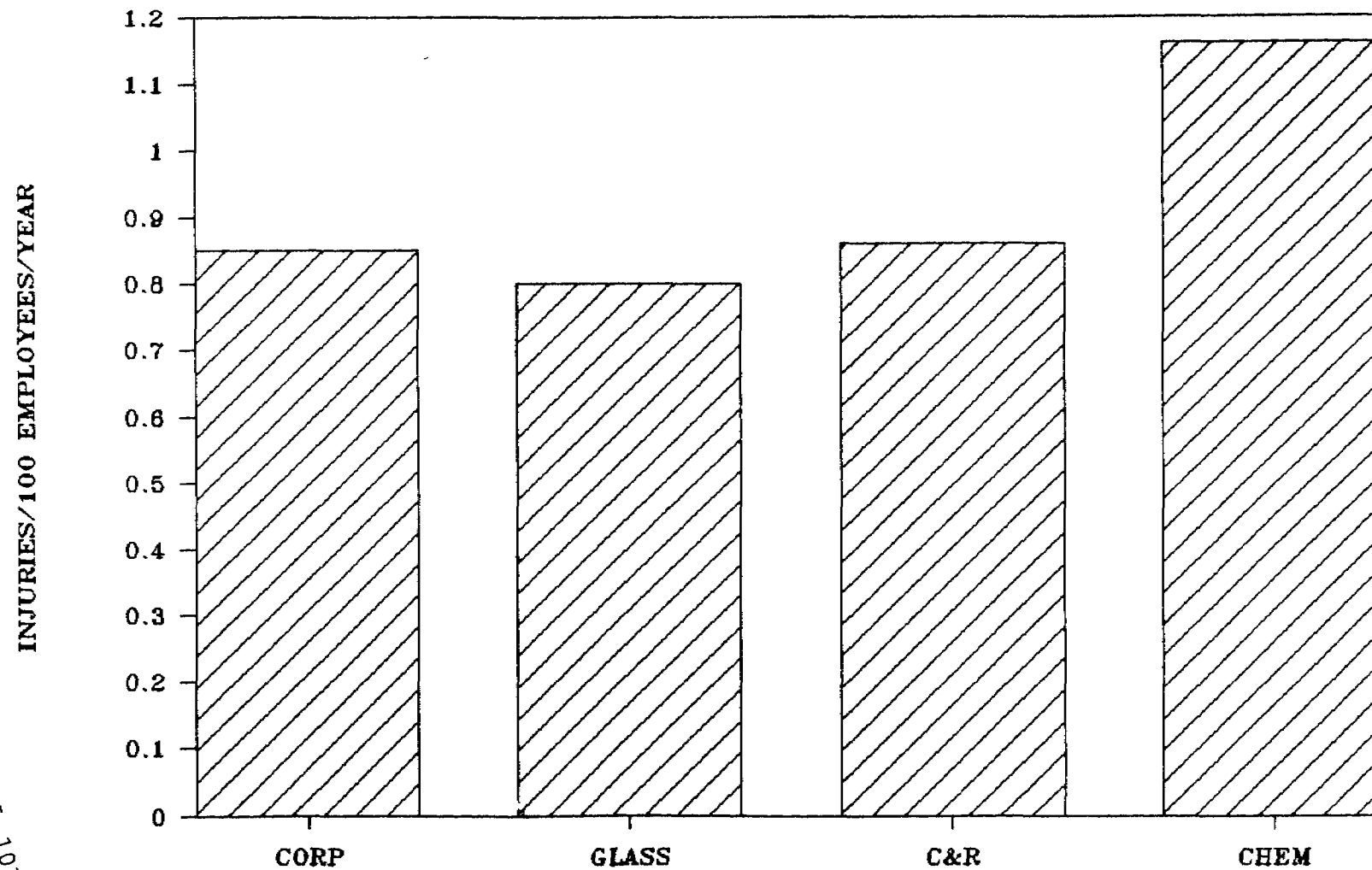
(AW= DISABLING INJ. RA=RESTRICTED ACT)



## 1985 AW (DISABLING INJURY) RATES

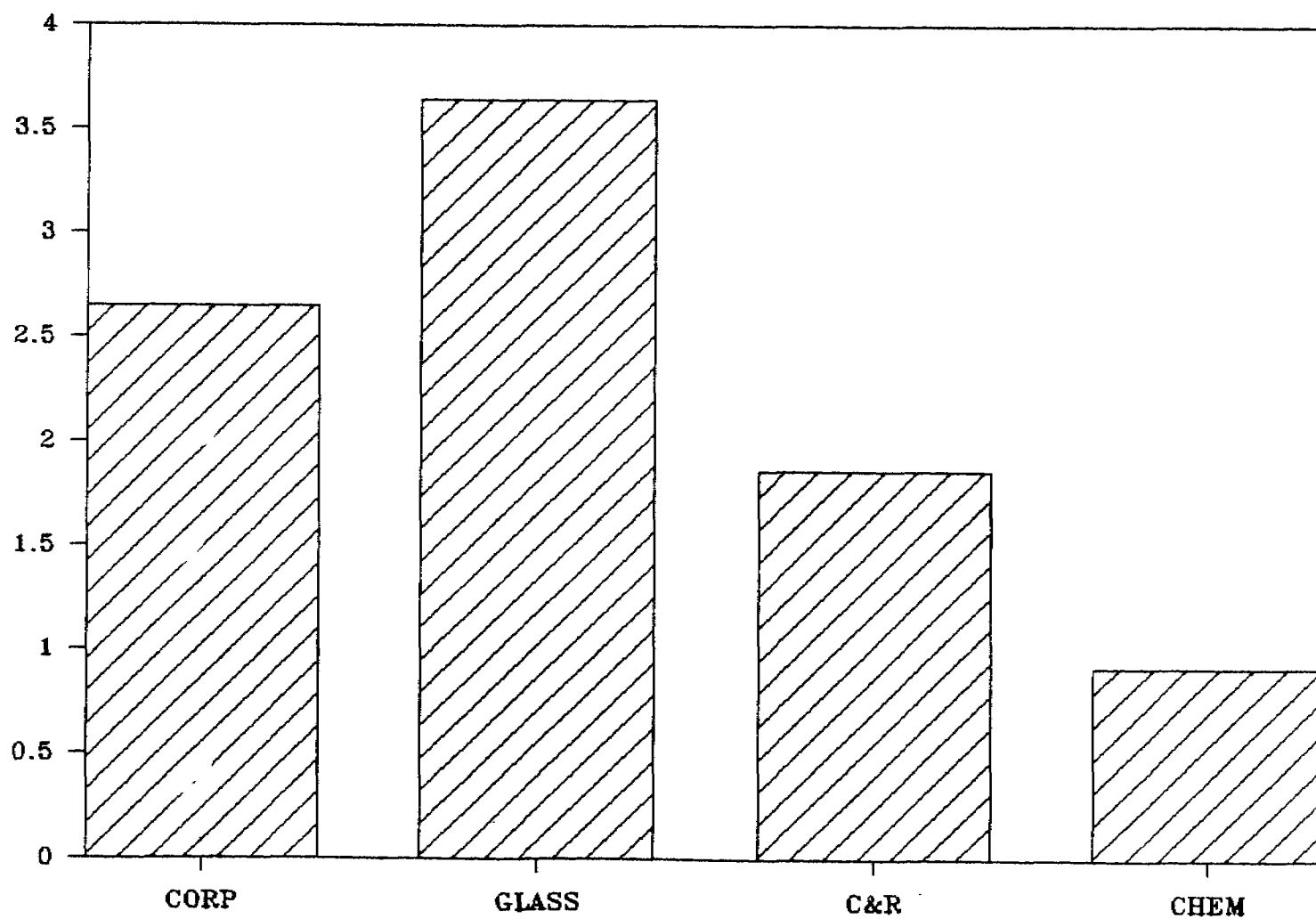


## 1985 RA (RESTRICTED ACTIVITY) RATES



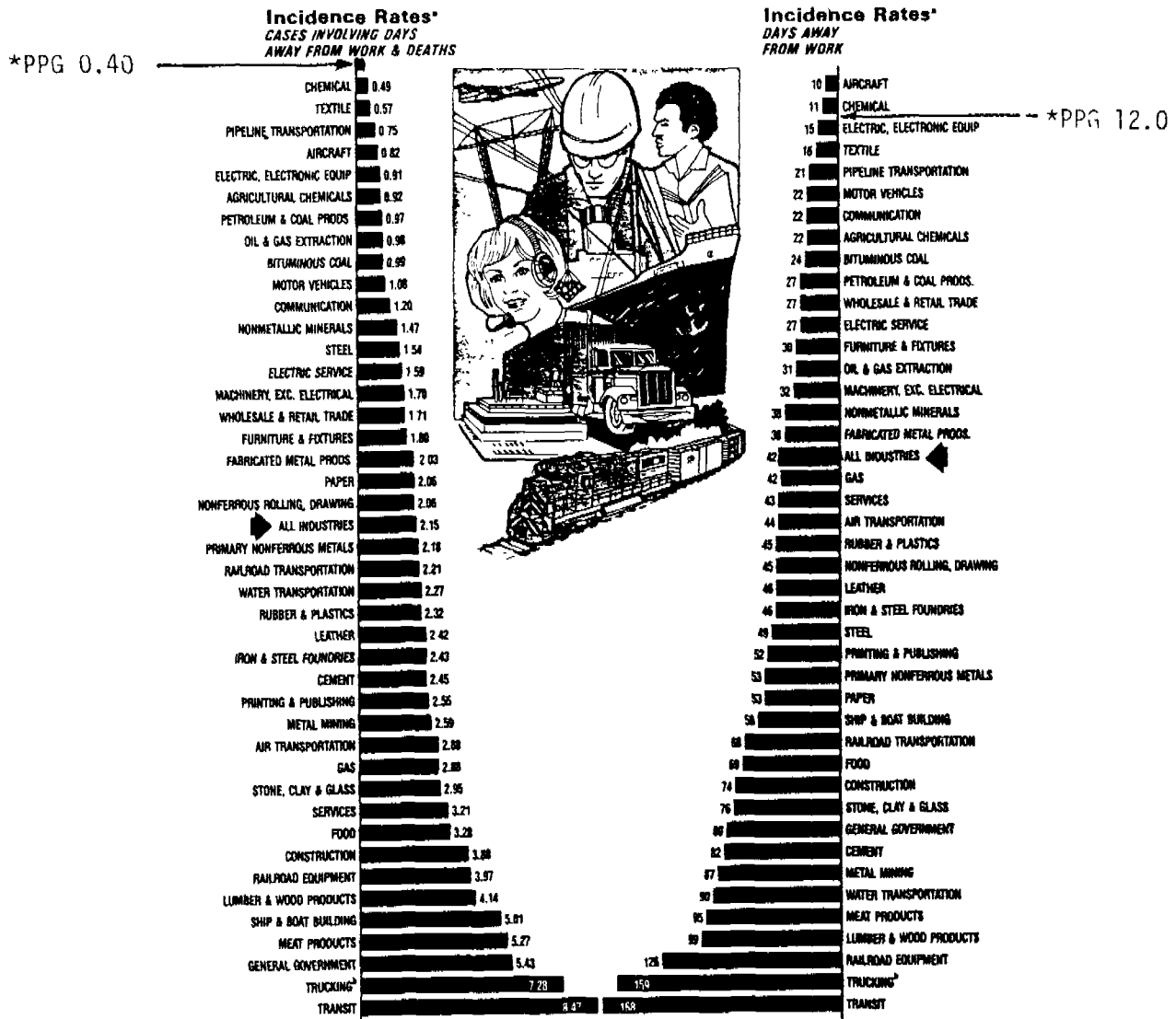
# 1985 NF (NONFATAL=DOCTOR) CASE RATES

INJURIES/100 EMPLOYEES/YEAR



# 1984 incidence rates of principal industries

Reporters to the National Safety Council



Source: Based on reports of National Safety Council members participating in the Award Plan for Recognizing Good Occupational Safety Records. These rates should not be interpreted as representative of the industries listed or of Council member companies. Data compiled in accordance with OSHA recordkeeping definitions. See page 30.  
\*Incidence rates per 100 full-time employees, using 200,000 employee hours as the equivalent.  
\*Excludes SIC code 4215.

DOLLAR LOSS SUMMARY<sup>1</sup>  
Year-to Date as of December 31, 1985

|                  | <u>Injury &amp;<sup>2</sup><br/>Illness<br/>Costs</u> | <u>Losses<sup>3</sup><br/>to<br/>Assets<br/>"CAPP"</u> | <u>Vehicle<sup>4</sup><br/>Losses</u> | <u>Third<sup>5</sup><br/>Party<br/>Claims</u> |
|------------------|-------------------------------------------------------|--------------------------------------------------------|---------------------------------------|-----------------------------------------------|
| Glass Group      | \$4,724,593                                           | \$ 2,071,671                                           | \$ 725,835                            | \$2,941,270                                   |
| Chemicals Groups | \$1,332,656                                           | \$ 7,309,674                                           | \$ 99,695                             | \$2,890,584                                   |
| C&R              | \$1,264,828                                           | \$ 946,327                                             | \$ 751,093                            | \$2,194,708                                   |
| Corporate        | \$ 32,140                                             | \$ 287,548                                             | \$ 120,066                            | \$ 271,114                                    |
| Total            | \$7,354,217                                           | \$10,615,220                                           | \$1,696,689                           | \$8,297,676                                   |

GRAND TOTAL CORPORATE - \$27,963,802

1. Insurance costs charged to operating groups. Prior year claims are included if paid during year. "Capp", Vehicle, and Third Party figures do not include insurance premiums until year-end.
2. Costs include: Worker's Compensation paid, Worker's Compensation awards, attending physicians fees, prosthetic devices, crutches and canes, etc., hospital expenses, ambulance charges, transportation charges other than ambulance, cost of rehabilitation, clinic and outpatient charges, attorney fees, professional services for claim defense, state filing fees, excess insurance premiums, and changes in reserves.
3. Dollar losses reported to the Corporate 7645 account
4. Dollar losses charged by the Risk Management Department to operating groups.
5. Dollar losses charged by the Risk Management Department to operating groups.

SL 103542

INJURY & ILLNESS COSTS FOR 1985

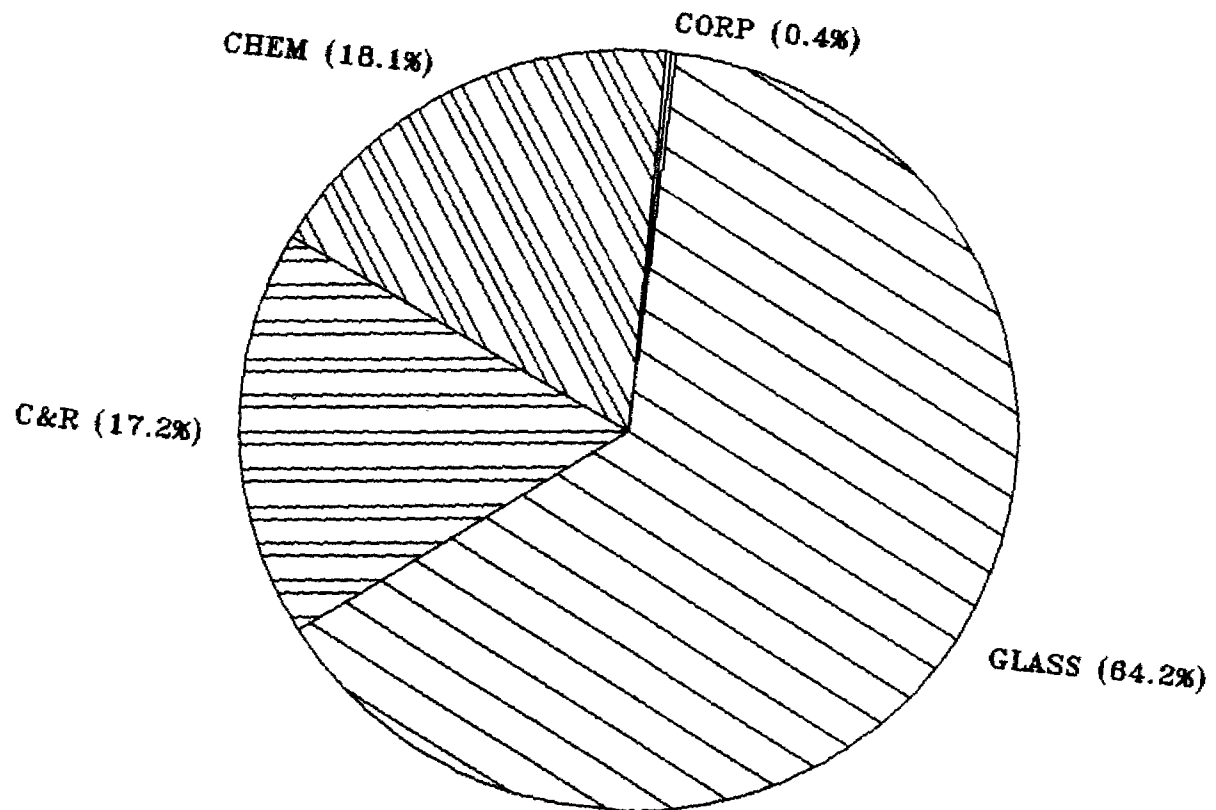
|                                              | <u>GLASS<br/>GROUP</u> | <u>CHEMICALS<br/>GROUP</u> | <u>C &amp; R<br/>GROUP</u> | <u>G.O.</u>     | <u>TOTAL</u>       |
|----------------------------------------------|------------------------|----------------------------|----------------------------|-----------------|--------------------|
| <u>Controllable Costs</u>                    |                        |                            |                            |                 |                    |
| Manufacturing<br>Injury & Illness Costs      | \$2,121,962            | \$1,097,980                | \$ 675,706                 | \$ --           | \$3,895,648        |
| Non-manufacturing<br>Injury & Illness Costs  | <u>1,962,781</u>       | <u>---</u>                 | <u>181,291</u>             | <u>26,052</u>   | <u>2,170,124</u>   |
| TOTAL                                        | \$4,084,743            | \$1,097,980                | \$ 856,997                 | \$26,052        | \$6,065,772        |
| <u>Non-Controllable Costs</u>                |                        |                            |                            |                 |                    |
| State Filing Fees,<br>Excess Insurance, etc. | <u>639,850</u>         | <u>234,675</u>             | <u>407,831</u>             | <u>6,088</u>    | <u>1,288,444</u>   |
| TOTAL COSTS                                  | <u>\$4,724,593</u>     | <u>\$1,332,655</u>         | <u>\$1,264,828</u>         | <u>\$32,140</u> | <u>\$7,354,216</u> |
| PERCENT CONTROLLABLE                         | <u>86</u>              | <u>82</u>                  | <u>68</u>                  | <u>81</u>       | <u>82</u>          |

|                                          | <u>1984</u> | <u>1985</u> |
|------------------------------------------|-------------|-------------|
| TOTAL CORPORATION INJURY & ILLNESS COSTS | \$6,418,927 | \$7,354,216 |
| TOTAL CORPORATION CONTROLLABLE COSTS     | \$5,441,218 | \$6,065,772 |
| PERCENT CONTROLLABLE                     | 85          | 82          |

SL 103543

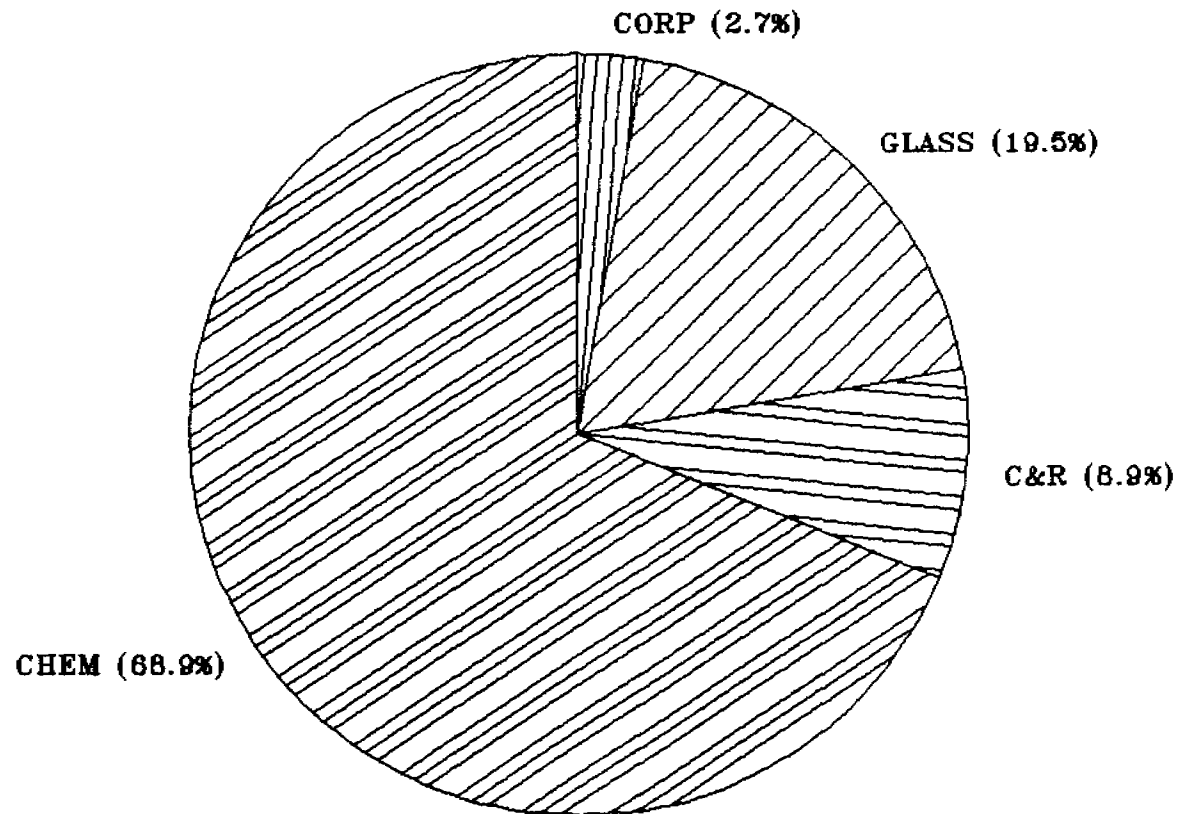
# OCCUPATIONAL INJURY/ILLNESS COSTS

1985 \$7,354,217



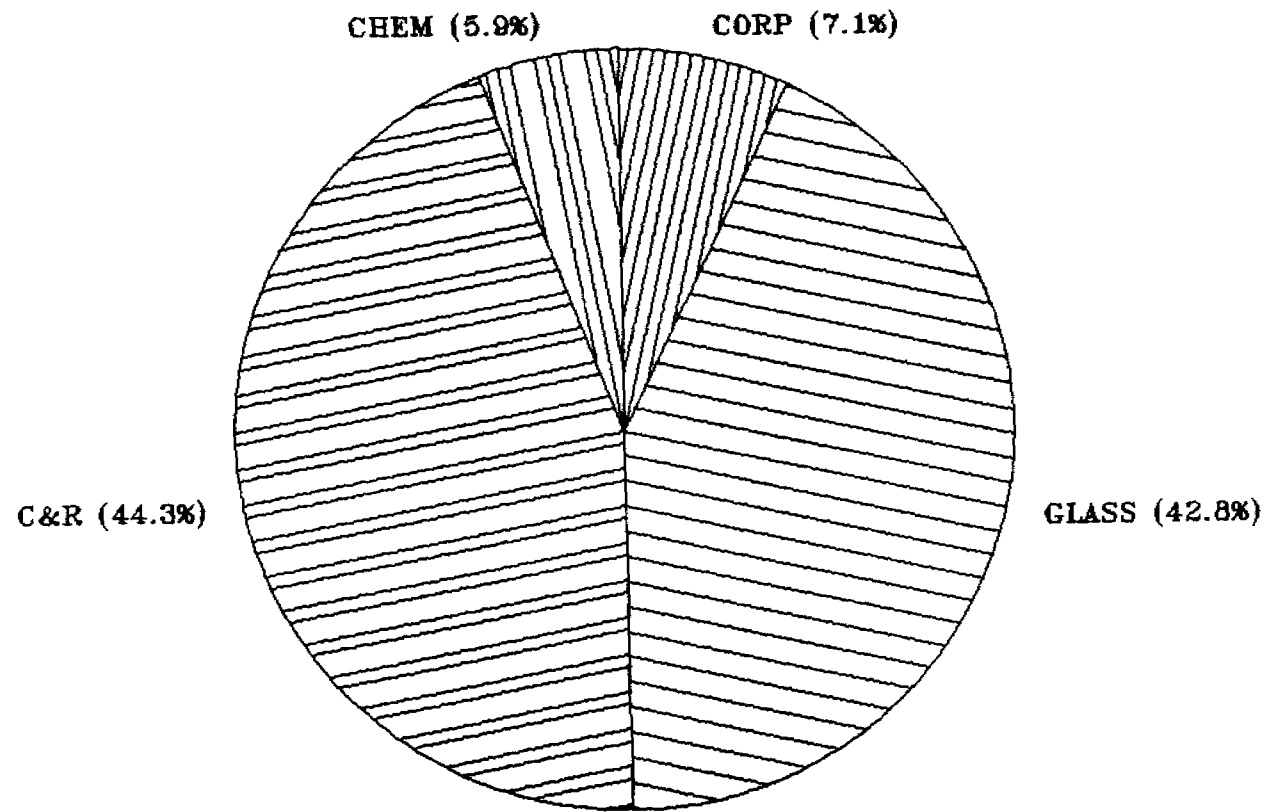
# LOSSES TO ASSETS (FIRE, EXPLOSION, ETC)

1985 \$10,815,220



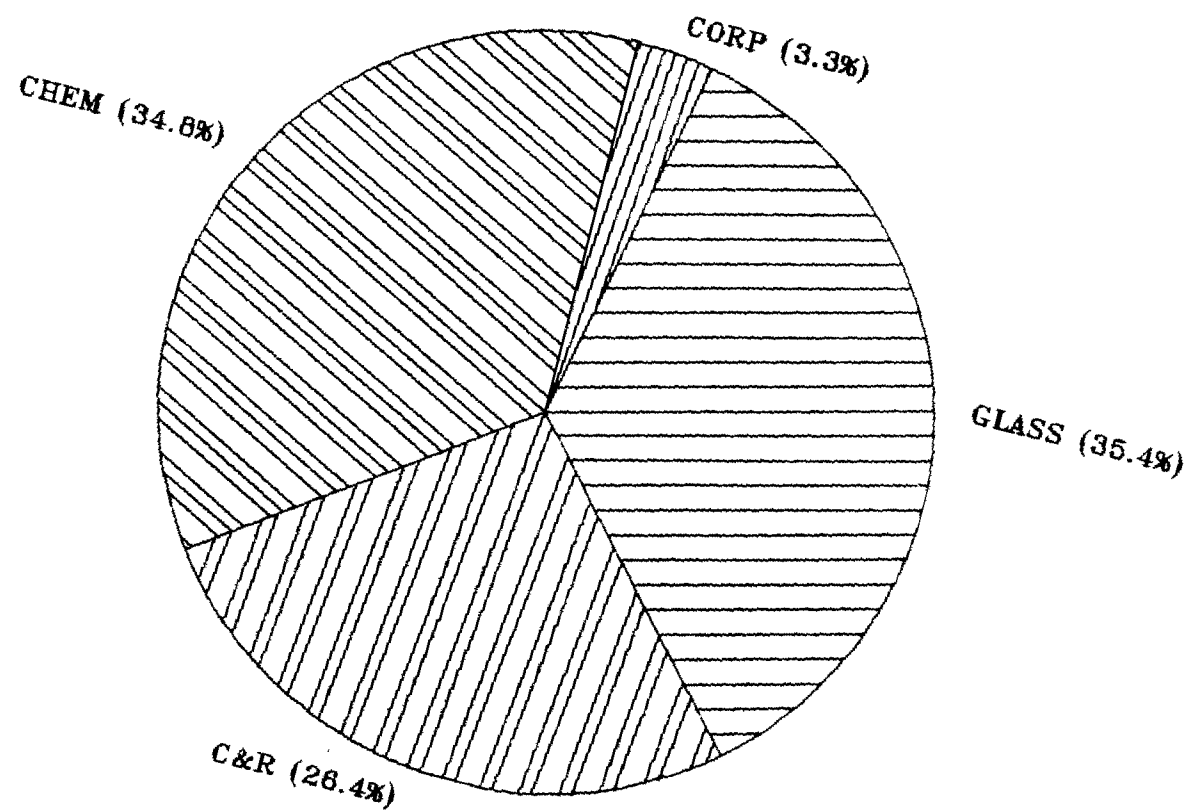
# VEHICLE LOSSES

1985 \$1,696,689



# THIRD PARTY CLAIMS

1985 \$8,297,876



40

SL 103547

## SAFETY PERFORMANCE AWARDS

PPG Industries, Inc., has its own safety performance award program. The Executive Award Program recognizes a unit's long period of death or disabling injury-free operation. The second set recognizes a unit's good safety performance based on a calendar year. The third set of awards pertain to the "President's Challenge" and recognizes any unit that meets or exceeds their safety performance goal for the calendar year in keeping with the Challenge to continually reduce our occupational injury and illness case rates. A Life Saving Award Program is also included which recognizes any employee who saves a life while on the job.

PPG also participates in the awards program sponsored by the National Safety Council.

The following summary details the awards won by PPG Units during 1985.

### PPG INDUSTRIES, INC. EXECUTIVE AWARDS PROGRAM 1985

| <u>President's Safety Award</u> | <u>Disabling Injury-Free Operation</u> |
|---------------------------------|----------------------------------------|
| Cleveland                       | 08/30/83 - 05/03/85 613 days           |
| Fiber Glass Research            | 01/17/79 - 05/18/85 1,673 days         |
| Shelby                          | 11/04/83 - 05/31/85 570 days           |
| Chemical Industrial Sales       | 01/20/79 - 07/31/85 2,025 days         |
| PAC                             | 12/19/81 - 12/16/85 1,460 days         |

### Special Recognition Safety Award

|                            |                                |
|----------------------------|--------------------------------|
| Springdale                 | 01/26/82 - 01/24/85 1,095 days |
| Barberton Technical Center | 01/19/82 - 01/17/85 1,095 days |
| Bowers Ink                 | 02/03/82 - 02/01/85 1,095 days |
| LaPorte                    | 03/20/82 - 03/18/85 1,095 days |
| Crestline                  | 08/09/83 - 06/26/85 687 days   |
| Stockertown                | 07/08/82 - 07/06/85 1,095 days |
| Kalium                     | 09/20/82 - 09/18/85 1,095 days |

| <u>Executive's Safety Award</u> | <u>Disabling Injury-Free Operation</u> |
|---------------------------------|----------------------------------------|
| Kokomo                          | 02/16/83 - 02/14/85 730                |
| Huntsville                      | 09/09/83 - 02/20/85 520                |
| Marshall                        | 03/06/83 - 03/04/85 730                |
| Lake Charles                    | 01/21/85 - 07/22/85 182                |
| Barberton                       | 09/01/83 - 07/23/85 677                |
| Baltimore                       | 08/05/83 - 08/03/85 730                |
| Circleville                     | 09/15/83 - 09/13/85 730                |
| Natrium                         | 11/10/84 - 09/18/85 312                |
| Hughes Products                 | 09/23/83 - 09/21/85 730                |

PPG INDUSTRIES, INC.  
CALENDAR YEAR  
AWARDS PROGRAM

1985 Awards of Honor

Twenty-six manufacturing facilities, four research and development units, and twenty-six sales and distribution units completed 1985 without a death or an away-from-work case. Consequently, these units earned the Corporation's Award of Honor. They are:

Manufacturing

|                             |                        |   |   |
|-----------------------------|------------------------|---|---|
| Cumberland, MD              | Fifth Consecutive Year |   |   |
| Carlisle, PA                | Third                  | " | " |
| Precision Art Coodinators   | "                      | " | " |
| Kalium, Canada              | "                      | " | " |
| Stockertown, PA             | "                      | " | " |
| Kokomo, IN                  | Second                 | " | " |
| Marshall, MN                | "                      | " | " |
| Crestline, OH               | "                      | " | " |
| Corpus Christi, TX          | "                      | " | " |
| Baltimore, MD               | "                      | " | " |
| Circleville, OH             | "                      | " | " |
| Cleveland, OH               | "                      | " | " |
| Hughes Products             | "                      | " | " |
| Glass Technical Development | "                      | " | " |
| Canadian Arch. Metals       | "                      | " | " |
| Meadville, PA               | First                  | " | " |
| Evansville, IN              | "                      | " | " |
| Barberton, OH               | "                      | " | " |
| U.S. Potash                 | "                      | " | " |
| Auto Satellites             | "                      | " | " |
| Dover                       | "                      | " | " |
| East Point                  | "                      | " | " |
| Houston                     | "                      | " | " |
| Oak Creek                   | "                      | " | " |
| Bowers Canada               | "                      | " | " |

Research & Development Units

|                      |                        |   |   |
|----------------------|------------------------|---|---|
| Fiber Glass Research | Sixth Consecutive Year |   |   |
| Barberton R&D        | Third                  | " | " |
| Harmerville          | Second                 | " | " |
| Chicago R&D          | "                      | " | " |

Sales & Distribution Units

|                   |                             |  |  |
|-------------------|-----------------------------|--|--|
| Ditzler Warehouse | Thirteenth Consecutive Year |  |  |
| Chemical Sales    | Eighth Consecutive Year     |  |  |
| ARG Depots        | Sixth Consecutive Year      |  |  |
| Automotive Sales  |                             |  |  |
| Fiber Glass Sales |                             |  |  |
| Harmarville       |                             |  |  |

Glass U.S. G.O.  
Glass Canada G.O.  
Chicago R&D  
Kalium Sales  
Chemical Performance Products  
Chemical U.S. G.O.  
Service Centers East  
Professional Sales West  
C&R U.S. G.O.  
Corporate Truck Fleet

The Award of Merit is presented to units that achieve significant improvement even though they were not disabling injury free.

1984 Awards of Merit Presented in 1985

Clarkson, Ont.  
Hunt Valley, MD  
Meadville, PA  
Crystal City, MD  
Greensburg, PA

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PRESIDENT'S CHALLENGE AWARD WINNERS

Locations Meeting or Exceeding Their 1985 Safety Performance

\* indicates that the Unit also won the Award in 1984

Glass

Manufacturing  
Wichita Falls, TX  
Carlisle, PA \*  
Cumberland, MD \*  
Meadville, PA  
Mt. Zion, IL  
Marshall, MN  
Owen Sound, Can.  
Ford City, PA \*  
Kokomo, IN \*  
Can. Architectural Metals  
Precision Art Coordinators \*  
Technical Development \*  
Crestline, OH \*  
Evansville, IN

R&D

Harmarville, PA \*  
O'Hara Township, PA \*

Sales/Dist./Admin.

U.S. Branches \*  
Canadian CCG \*  
C.P. Sales \*  
Automotive Sales/Mkt. \*  
Fiber Glass Sales  
G.O. U.S.  
G.O. Canada \*

Primary Sales

ARG Depots \*  
ARG Sales & Mkt. \*

Corporate Truck Fleet \*

Chemicals

Manufacturing  
Barberton \*  
Corpus Christi  
Kalium \*  
Stockertown \*  
U.S. Potash

R&D

Barberton \*  
Chicago

Sales/Dist./Admin.

Biochemicals \*  
Industrial Sales \*  
Kalium Sales  
Performance Products \*  
Stanchem Canada \*  
G.O. \*

Coatings & Resins

Manufacturing  
Auto Satellites  
Baltimore \*  
Circleville \*  
Dover  
East Point \*  
Houston  
Oak Creek  
Bowers (Can.) (3) \*  
Hughes Products (2) \*

Coatings & Resins

Sales/Dist./Admin.  
Service Centers E.  
Canadian Region  
Professional Sales East  
Professional Sales West  
HDM Sales  
Dealer Sales  
Distribution Centers Canada \*  
Ditzler Warehouse \*  
G.O.

SL 103551

PPG INDUSTRIES, INC.  
LIFE SAVING AWARD PROGRAM

The PPG Life Saving Award is given to a PPG employee who saves another person's life while he or she is on the job. One was given in 1985:

Mr. Joseph Gillory  
Lake Charles, LA  
Chemical Plant

NATIONAL SAFETY COUNCIL AWARDS PROGRAM

1984 AWARDS PRESENTED IN 1985

These awards are based on a comparison of the current year to a three-year history of the location's own performance and the performance of similar locations in all of U.S. industry.

- \* Denotes that this location's record was the best record in the entire SIC code classification for that type of operation in the U.S.

National Safety Council Award of Honor

Manufacturing

- \* Lexington, NC
- \* Carlisle, PA
- \* Baltimore, MD
- Crestline, OH
- Shelby, NC
- Cleveland, OH

Research & Development

C&R all R&D locations

SL 103552

National Safety Council Award of Merit

Manufacturing

Creighton, PA  
Ford City, PA  
Cumberland, MD  
Meadville, PA  
Kokomo, IN  
Marshall, MN  
Huntsville, AL  
Greensburg, PA  
Springdale, PA  
Stanchem, Quebec  
Lake Charles, LA

Research & Development

Harmarville, PA  
O'Hara Township, PA  
Barberton Technical Center

Sales/Distribution/Administrative

O'Hara Township Technical Offices

National Safety Council Award of Commendation

Manufacturing

Lincoln, IL  
Circleville, OH  
Barberton, OH  
Beaumont, TX  
Woodward, OK  
LaPorte, TX  
Kalium, Sas.

Sales/Distribution/Administration

Stanchem Distribution Center  
Montreal, Quebec

National Safety Council President's Citation

Manufacturing

Corpus Christi, TX  
Stockertown, PA

Research & Development

Stockertown, PA  
(Agriculture & Perf. Prod.)

1985  
OSHA INSPECTION EXPERIENCE

By Reason for Inspection

|                 | <u>Fatality</u> | <u>Employee<br/>Complaint</u> | <u>Routine</u> | <u>Sub-<br/>Contractor</u> | <u>Indus-<br/>trial<br/>Hygiene</u> | <u>Accident<br/>Investigation</u> | <u>Follow<br/>Up</u> | <u>Total</u> |
|-----------------|-----------------|-------------------------------|----------------|----------------------------|-------------------------------------|-----------------------------------|----------------------|--------------|
| Glass<br>CP&D   | 1               | 1<br>6                        | 3<br>8         | 18                         |                                     |                                   | 1                    | 4<br>34      |
| Chemical<br>C&R | 1               | 1<br>2                        |                |                            |                                     |                                   |                      | 2<br>2       |
| Totals          | 2               | 10                            | 11             | 18                         |                                     |                                   | 1                    | 42           |

By Inspection Results

|                     | <u>Insp.<br/>with<br/>Citation</u> | <u>Insp.<br/>Without<br/>Citation</u> | <u>Citation(s)<br/>No<br/>Penalty</u> | <u>Citation(s)<br/>With<br/>Penalty</u> | <u>Amount<br/>of<br/>Penalties</u> | <u>Average<br/>Penalty<br/>Received</u> | <u>*Contested<br/>Violations</u> |
|---------------------|------------------------------------|---------------------------------------|---------------------------------------|-----------------------------------------|------------------------------------|-----------------------------------------|----------------------------------|
| 47<br>Glass<br>CP&D | 15                                 | 4<br>20                               | 15                                    | 6                                       | \$2,660                            | \$443                                   | 5                                |
| Chemical<br>C&R     | 1                                  | 2                                     | 1                                     |                                         |                                    |                                         |                                  |
| Totals              | 16                                 | 26                                    | 16                                    | 6                                       | \$2,260                            | \$443                                   | 5                                |

\* Contest either through formal procedures or informal conference with area personnel

1971 - 1986  
OSHA INSPECTION EXPERIENCE

By Reason for Inspection

|          | <u>Fatality</u> | <u>Employee<br/>Complaint</u> | <u>Routine</u> | <u>Sub-<br/>Contractor</u> | <u>Indus-<br/>trial<br/>Hygiene</u> | <u>Accident<br/>Investigation</u> | <u>Follow<br/>Up</u> | <u>Total</u> |
|----------|-----------------|-------------------------------|----------------|----------------------------|-------------------------------------|-----------------------------------|----------------------|--------------|
| Glass    | 2               | 30                            | 54             | 0                          | 10                                  | 0                                 | 22                   | 118          |
| CP&D     | 5               | 26                            | 100            | 244                        | 0                                   | 2                                 | 7                    | 384          |
| Chemical | 6               | 27                            | 19             | 2                          | 5                                   | 1                                 | 13                   | 73           |
| C&R      | 1               | 33                            | 26             | 0                          | 8                                   | 1                                 | 15                   | 84           |
| Other    | 0               | 2                             | 6              | 0                          | 1                                   | 0                                 | 2                    | 11           |
| Totals   | 14              | 118                           | 205            | 246                        | 24                                  | 4                                 | 59                   | 670          |

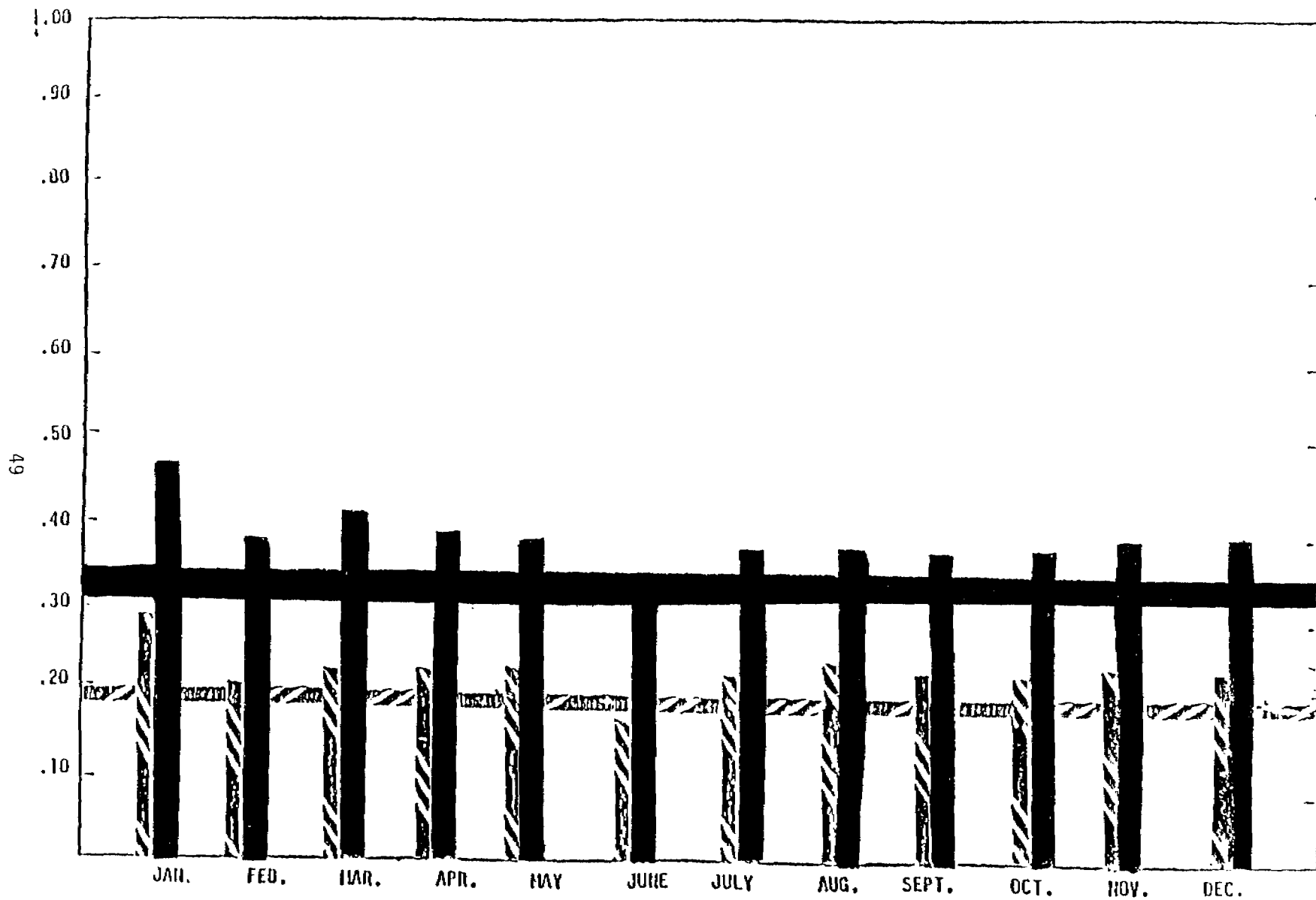
By Inspection Results

| 48       | <u>Insp.<br/>with<br/>Citation</u> | <u>Insp.<br/>Without<br/>Citation</u> | <u>Citation(s)<br/>No<br/>Penalty</u> | <u>Citation(s)<br/>With<br/>Penalty</u> | <u>Amount<br/>of<br/>Penalties</u> | <u>Average<br/>Penalty<br/>Received</u> | <u>*Contested<br/>Violations</u> |
|----------|------------------------------------|---------------------------------------|---------------------------------------|-----------------------------------------|------------------------------------|-----------------------------------------|----------------------------------|
| Glass    | 51                                 | 65                                    | 204                                   | 76                                      | \$ 7,965                           | \$105                                   | 10                               |
| CP&D     | 237                                | 133                                   | 358                                   | 175                                     | 37,254                             | 213                                     | 50                               |
| Chemical | 25                                 | 49                                    | 40                                    | 31                                      | 4,020                              | 130                                     | 21                               |
| C&R      | 27                                 | 52                                    | 71                                    | 35                                      | 10,980                             | 439                                     | 11                               |
| Other    | 7                                  | 4                                     | 58                                    | 21                                      | 2,630                              | 125                                     | 0                                |
| Totals   | 347                                | 303                                   | 731                                   | 338                                     | \$62,849                           | 192                                     | 92                               |

\* Contest either through formal procedures or informal conference with area personnel

SI 103555

PPG INDUSTRIES, INC.  
1985 INJURY/ILLNESS EXPERIENCE



SL 103556

HFG. RATE/GOAL

CORP. RATE/GOAL

PPG INDUSTRIES, INC  
OCCUPATIONAL INJURY & ILLNESS REPORT  
EXECUTIVE SUMMARY

1985

|                    | AW<br>CASES<br>MO | YTD AW<br>DAYS<br>YEAR | 1985<br>RATE<br>GOAL | NSC<br>RATE<br>YTD |
|--------------------|-------------------|------------------------|----------------------|--------------------|
| MANUFACTURING      |                   |                        |                      |                    |
| CHEMICALS GROUP    | 0                 | 7                      | 296                  | 0.07 0.21          |
| C&R GROUP          | 0                 | 16                     | 378                  | 0.35 0.31          |
| GLASS GROUP        | 0                 | 27                     | 1126                 | 0.17 0.23          |
| TOTAL ALL MFG      | 0                 | 50                     | 1800                 | 0.19 0.24          |
| RESEARCH & DEVEL   |                   |                        |                      |                    |
| CHEMICALS GROUP    | 0                 | 0                      | 1                    | 0.00 0.00          |
| C&R GROUP          | 0                 | 1                      | 0                    | 0.00 0.13          |
| GLASS GROUP        | 0                 | 0                      | 0                    | 0.00 0.00          |
| TOTAL ALL R&D      | 0                 | 1                      | 26                   | 0.00 0.06          |
| SALES & DIST & ADM |                   |                        |                      |                    |
| CHEMICALS GROUP    | 0                 | 0                      | 0                    | 0.00 0.00          |
| C&R GROUP          | 0                 | 9                      | 407                  | 0.66 0.45          |
| GLASS GROUP        | 0                 | 55                     | 1457                 | 0.98 1.23          |
| G.O. CORP STAFF    | 0                 | 4                      | 0                    | 0.06 0.58          |
| CORP. TRUCK FLEET  | 0                 | 0                      | 0                    | 0.00 0.00          |
| TOTAL ALL SLS-DIST | 0                 | 68                     | 1878                 | 0.62 0.85          |
| TOTAL GROUPS & ADM |                   |                        |                      |                    |
| CHEMICALS          | 0                 | 7                      | 297                  | 0.08 0.16          |
| COATINGS & RESINS  | 0                 | 26                     | 810                  | 0.39 0.33          |
| GLASS              | 0                 | 82                     | 2583                 | 0.41 0.49          |
| G O CORP STAFF     | 0                 | 4                      | 14                   | 0.06 0.58          |
| CORP. TRUCK FLEET  | 0                 | 0                      | 0                    | 0.00 0.00          |
| TOTAL ALL OPER.    | 0                 | 119                    | 3704                 | 0.33 0.40          |

AW CASES ARE THOSE INVOLVING INJURIES WHICH DISABLE AN  
EMPLOYEE TO THE EXTENT THAT ONE OR MORE DAYS ARE LOST  
"AWAY FROM WORK".

THE NSC RATE IS THE NUMBER OF AW CASES PLUS THE NUMBER  
OF DEATHS PER 100 EMPLOYEES IN ONE WORKING YEAR

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SL 103557

PFG INDUSTRIES, INC RECORDABLE WORK INJURY AND ILLNESS REPORT  
1985  
OPERATIONS SUMMARY

ALL TIME CORPORATE RECORDS  
DAYS 3773 PORTLAND  
HOURS: 19,254,737 LEXINGTON

|                    | 1985<br>RATE<br>GOAL | NSC<br>RATE<br>YTD | ***** OSHA CASES YTD ***** |     |     |     |     | ***** OSHA INCIDENCE ***** |      |      |      |      | WORK DAYS<br>LOST YTD |      | AW<br>CASES<br>MO. | WH<br>YTD<br>(000) |
|--------------------|----------------------|--------------------|----------------------------|-----|-----|-----|-----|----------------------------|------|------|------|------|-----------------------|------|--------------------|--------------------|
|                    |                      |                    | DTHS                       | AW  | RA  | LW  | NF  | RC                         | AW   | RA   | LW   | NF   | RC                    | AW   | TDL                |                    |
| MANUFACTURING      |                      |                    |                            |     |     |     |     |                            |      |      |      |      |                       |      |                    |                    |
| CHEMICALS GROUP    | 0.07                 | 0.21               | 1                          | 7   | 57  | 64  | 42  | 107                        | 0.18 | 1.50 | 1.68 | 1.10 | 2.81                  | 296  | 1086               | 0 7612             |
| C&R GROUP          | 0.35                 | 0.31               | 0                          | 16  | 50  | 66  | 102 | 168                        | 0.31 | 0.97 | 1.28 | 1.98 | 3.25                  | 378  | 1075               | 0 10325            |
| GLASS GROUP        | 0.17                 | 0.23               | 0                          | 27  | 133 | 160 | 343 | 503                        | 0.23 | 1.11 | 1.34 | 2.87 | 4.21                  | 1126 | 3021               | 0 23879            |
| TOTAL ALL MFG      | 0.19                 | 0.24               | 1                          | 50  | 240 | 290 | 487 | 778                        | 0.24 | 1.15 | 1.39 | 2.33 | 3.72                  | 1800 | 5182               | 0 41816            |
| RESEARCH & DEVEL   |                      |                    |                            |     |     |     |     |                            |      |      |      |      |                       |      |                    |                    |
| CHEMICALS GROUP    | 0.00                 | 0.00               | 0                          | 0   | 0   | 0   | 1   | 1                          | 0.00 | 0.00 | 0.00 | 0.31 | 0.31                  | 1    | 0                  | 0 646              |
| C&R GROUP          | 0.00                 | 0.13               | 0                          | 1   | 4   | 5   | 7   | 12                         | 0.13 | 0.53 | 0.66 | 0.93 | 1.60                  | 25   | 69                 | 0 1504             |
| GLASS GROUP        | 0.00                 | 0.00               | 0                          | 0   | 2   | 2   | 10  | 12                         | 0.00 | 0.41 | 0.41 | 2.07 | 2.48                  | 0    | 9                  | 0 967              |
| TOTAL ALL R&D      | 0.00                 | 0.06               | 0                          | 1   | 6   | 7   | 18  | 25                         | 0.06 | 0.38 | 0.45 | 1.15 | 1.60                  | 26   | 78                 | 0 3117             |
| SALES & DIST & ADM |                      |                    |                            |     |     |     |     |                            |      |      |      |      |                       |      |                    |                    |
| CHEMICALS GROUP    | 0.00                 | 0.60               | 0                          | 0   | 1   | 1   | 3   | 4                          | 0.00 | 0.11 | 0.11 | 0.34 | 0.46                  | 0    | 1                  | 0 1746             |
| C&R GROUP          | 0.66                 | 0.45               | 0                          | 9   | 14  | 23  | 38  | 61                         | 0.45 | 0.70 | 1.15 | 1.91 | 3.06                  | 407  | 637                | 0 3987             |
| GLASS GROUP        | 0.98                 | 1.23               | 1                          | 55  | 0   | 55  | 265 | 321                        | 1.21 | 0.00 | 1.21 | 5.83 | 7.06                  | 1457 | 1457               | 0 9098             |
| G.O. CORP STAFF    | 0.06                 | 0.56               | 0                          | 4   | 0   | 1   | 1   | 5                          | 0.58 | 0.00 | 0.15 | 0.15 | 0.73                  | 14   | 58                 | 0 1372             |
| CORP TRUCK FLEET   | 0.00                 | 0.00               | 0                          | 0   | 0   | 0   | 0   | 0                          | 0.00 | 0.00 | 0.00 | 0.00 | 0.00                  | 0    | 0                  | 0 58               |
| TOTAL ALL SLS-DIST | 0.62                 | 0.85               | 1                          | 68  | 15  | 80  | 307 | 391                        | 0.84 | 0.18 | 0.98 | 3.78 | 4.81                  | 1878 | 2153               | 0 16261            |
| TOTAL GROUPS & ADM |                      |                    |                            |     |     |     |     |                            |      |      |      |      |                       |      |                    |                    |
| CHEMICALS          | 0.08                 | 0.16               | 1                          | 7   | 58  | 65  | 46  | 112                        | 0.14 | 1.16 | 1.30 | 0.92 | 2.24                  | 297  | 1087               | 0 10904            |
| COATINGS & RESINS  | 0.39                 | 0.33               | 0                          | 26  | 68  | 94  | 147 | 241                        | 0.33 | 0.86 | 1.19 | 1.86 | 3.05                  | 810  | 1781               | 0 15816            |
| GLASS              | 0.41                 | 0.49               | 1                          | 82  | 135 | 217 | 618 | 836                        | 0.48 | 0.80 | 1.28 | 3.64 | 4.93                  | 2583 | 4487               | 0 33944            |
| G.O. CORP STAFF    | 0.06                 | 0.58               | 0                          | 4   | 0   | 1   | 1   | 5                          | 0.58 | 0.00 | 0.15 | 0.15 | 0.73                  | 14   | 58                 | 0 1372             |
| CORP TRUCK FLEET   | 0.00                 | 0.00               | 0                          | 0   | 0   | 0   | 0   | 0                          | 0.00 | 0.00 | 0.00 | 0.00 | 0.00                  | 0    | 0                  | 0 58               |
| TOTAL ALL OPER     | 0.33                 | 0.40               | 2                          | 119 | 261 | 380 | 812 | 1194                       | 0.39 | 0.85 | 1.23 | 2.65 | 3.90                  | 3704 | 7413               | 0 61194            |

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DTHS=DEATHS  
NF=NON FATAL

AW=AWAY FROM WORK  
RC=RECORDABLE CASE

RA=RESTRICTED ACTIVITY  
TDL=TOTAL DAYS LOST

LW=LOST WORKDAY  
NSC=NATIONAL SAFETY COUNCIL

FED INDUSTRIES INC RECORDABLE WORK INJURY AND ILLNESS REPORT  
1985  
GLASS GROUP

ALL TIME PLAT GLASS RECORDS  
DAYS  
HOURS 8,447,386 CUMBERLAND

|                                    | 1985 | NSC  | ***** OSHA CASES YTD ***** |    |    |    |     | ***** OSHA INCIDENCE ***** |      |      |      |      | WORK DAYS |      | AW    | WH  |       |
|------------------------------------|------|------|----------------------------|----|----|----|-----|----------------------------|------|------|------|------|-----------|------|-------|-----|-------|
|                                    | RATE | RATE | ***** YTD *****            |    |    |    |     | ***** YTD *****            |      |      |      |      | LOST      | YTD  | CASES | YTD |       |
|                                    | GOAL | YTD  | DTHS                       | AW | RA | LW | NF  | RC                         | AW   | RA   | LW   | NF   | RC        | AW   | TDL   | MO  | (000) |
| PRIMARY GLASS                      |      |      |                            |    |    |    |     |                            |      |      |      |      |           |      |       |     |       |
| MANUFACTURING                      |      |      |                            |    |    |    |     |                            |      |      |      |      |           |      |       |     |       |
| WKS 4 WICHITA                      | 0 14 | 0 13 | 0                          | 1  | 4  | 5  | 18  | 23                         | 0 13 | 0 54 | 0 67 | 2 41 | 3 08      | 7    | 93    | 0   | 1495  |
| WKS 6 CARLISLE                     | 0 14 | 0 00 | 0                          | 0  | 1  | 1  | 13  | 14                         | 0 00 | 0 13 | 0 13 | 1 67 | 1 80      | 0    | 19    | 0   | 1554  |
| WKS 7 CUMBERLAND                   | 0 00 | 0 00 | 0                          | 0  | 0  | 0  | 0   | 0                          | 0 00 | 0 00 | 0 00 | 0 00 | 0 00      | 0    | 0     | 0   | 41    |
| WKS 8 MEAD                         | 0 18 | 0 00 | 0                          | 0  | 10 | 10 | 27  | 37                         | 0 00 | 1 96 | 1 96 | 5 29 | 7 25      | 0    | 164   | 0   | 1020  |
| WKS 9 CRYSTAL CITY                 | 0 29 | 0 75 | 0                          | 2  | 1  | 3  | 10  | 13                         | 0 75 | 0 38 | 1 13 | 3 77 | 4 90      | 88   | 91    | 0   | 531   |
| WKS 14 MT ZION                     | 0 19 | 0 11 | 0                          | 1  | 1  | 2  | 28  | 30                         | 0 17 | 0 17 | 0 34 | 4 83 | 5 17      | 76   | 77    | 0   | 1160  |
| WKS 15 FRESNO                      | 0 33 | 0 79 | 0                          | 2  | 14 | 16 | 12  | 28                         | 0 79 | 5 50 | 6 29 | 4 72 | 11 00     | 59   | 338   | 0   | 509   |
| WKS 20 MARSHALL                    | 0 53 | 0 00 | 0                          | 0  | 1  | 1  | 0   | 1                          | 0 00 | 0 56 | 0 56 | 0 00 | 0 56      | 0    | 4     | 0   | 357   |
| WKS 21 LINCOLN                     | 0 00 | 1 76 | 0                          | 2  | 0  | 2  | 6   | 8                          | 1 76 | 0 00 | 1 76 | 5 29 | 7 05      | 72   | 72    | 0   | 227   |
| OWEN SOUND                         | 0 25 | 0 34 | 0                          | 1  | 1  | 2  | 22  | 24                         | 0 24 | 0 24 | 0 46 | 5 27 | 5 75      | 97   | 102   | 0   | 835   |
| TOTAL PRIM MFG                     | 0 21 | 0 23 | 0                          | 9  | 33 | 42 | 136 | 178                        | 0 23 | 0 85 | 1 09 | 3 52 | 4 61      | 399  | 960   | 0   | 7729  |
| SALES & DIST                       |      |      |                            |    |    |    |     |                            |      |      |      |      |           |      |       |     |       |
| PRIMARY SALES                      | 0 00 | 0 00 | 0                          | 0  | 0  | 0  | 0   | 0                          | 0 00 | 0 00 | 0 00 | 0 00 | 0 00      | 0    | 0     | 0   | 172   |
| TOTAL PRIMARY GLS                  | 0 20 | 0 23 | 0                          | 9  | 33 | 42 | 136 | 178                        | 0 23 | 0 84 | 1 06 | 3 44 | 4 51      | 399  | 960   | 0   | 7901  |
| -----                              |      |      |                            |    |    |    |     |                            |      |      |      |      |           |      |       |     |       |
| COMMERCIAL PRODUCTS & DISTRIBUTION |      |      |                            |    |    |    |     |                            |      |      |      |      |           |      |       |     |       |
| MANUFACTURING                      |      |      |                            |    |    |    |     |                            |      |      |      |      |           |      |       |     |       |
| WKS 5 FORD CITY                    | 0 40 | 0 34 | 0                          | 2  | 8  | 10 | 11  | 21                         | 0 34 | 1 37 | 1 71 | 1 88 | 3 58      | 81   | 384   | 0   | 1172  |
| WKS 19 KOKOMO                      | 0 32 | 0 00 | 0                          | 0  | 0  | 0  | 3   | 3                          | 0 00 | 0 00 | 0 00 | 1 36 | 1 36      | 0    | 0     | 0   | 442   |
| CAN ARCH MTLs                      | 0 00 | 0 00 | 0                          | 0  | 0  | 0  | 7   | 7                          | 0 00 | 0 00 | 0 00 | 4 64 | 4 64      | 0    | 0     | 0   | 302   |
| TOTAL C P MFG                      | 0 63 | 0 21 | 0                          | 2  | 8  | 10 | 21  | 31                         | 0 21 | 0 84 | 1 04 | 2 19 | 3 24      | 81   | 384   | 0   | 1916  |
| SALES & DIST                       |      |      |                            |    |    |    |     |                            |      |      |      |      |           |      |       |     |       |
| U S BRANCHES                       | 1 26 | 1 12 | 0                          | 23 | 0  | 23 | 157 | 180                        | 1 12 | 0 00 | 1 12 | 7 61 | 8 73      | 631  | 631   | 0   | 4125  |
| U S CCG                            | 1 26 | 2 13 | 1                          | 24 | 0  | 24 | 88  | 113                        | 2 04 | 0 00 | 2 04 | 7 50 | 9 63      | 655  | 655   | 0   | 2348  |
| CAN BRANCHES                       | 1 45 | 1 83 | 0                          | 7  | 0  | 7  | 15  | 22                         | 1 83 | 0 00 | 1 83 | 3 93 | 5 77      | 115  | 115   | 0   | 763   |
| CAN CCG                            | 2 11 | 0 91 | 0                          | 1  | 0  | 1  | 5   | 6                          | 0 91 | 0 00 | 0 91 | 4 57 | 5 48      | 56   | 56    | 0   | 219   |
| C P SALES                          | 0 00 | 0 00 | 0                          | 0  | 0  | 0  | 0   | 0                          | 0 00 | 0 00 | 0 00 | 0 00 | 0 00      | 0    | 0     | 0   | 64    |
| TOTAL CP SLS & DT                  | 1 24 | 1 49 | 1                          | 55 | 0  | 55 | 265 | 321                        | 1 46 | 0 00 | 1 46 | 7 05 | 8 54      | 1457 | 1457  | 0   | 7519  |
| TOTAL CP & DIST                    | 1 22 | 1 23 | 1                          | 57 | 8  | 65 | 286 | 352                        | 1 21 | 0 17 | 1 38 | 6 06 | 7 46      | 1538 | 1841  | 0   | 9435  |

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DTHS=DEATHS  
NF=NON FATAL

AW=AWAY FROM WORK  
RC=RECORDABLE CASE

RA=RESTRICTED ACTIVITY  
TDL=TOTAL DAYS LOST

LW=LOST WORKDAY  
NSC=NATIONAL SAFETY COUNCIL

32N

PPG INDUSTRIES, INC RECORDABLE WORK INJURY AND ILLNESS REPORT  
1985  
GLASS GROUP

ALL TIME AUTO & AIRCRAFT RECORDS  
DAYS: 796 CREIGHTON  
HOURS: 2,244,286 HUNTSVILLE

|                            |     |           | 1985 | NSC  | ***** OSHA CASES YTD ***** |    |    |    |     |     | ***** OSHA INCIDENCE ***** |      |      |      |      | WORK DAYS |     | AW    | WH    |
|----------------------------|-----|-----------|------|------|----------------------------|----|----|----|-----|-----|----------------------------|------|------|------|------|-----------|-----|-------|-------|
|                            |     |           | RATE | RATE | ***** TOT *****            |    |    |    |     |     | ***** RATES YTD *****      |      |      |      |      | LOST YTD  |     | CASES | YTD   |
| GOAL YTD                   |     |           |      |      | DTHS                       | AW | RA | LW | NF  | RC  | AW                         | RA   | LW   | NF   | RC   | AW        | TDL | MO    | (000) |
| ARC , AIRCRAFT & SPECIALTY |     |           |      |      |                            |    |    |    |     |     |                            |      |      |      |      |           |     |       |       |
| MANUFACTURING              |     |           |      |      |                            |    |    |    |     |     |                            |      |      |      |      |           |     |       |       |
| WKS                        | 22  | HUNTSV    | 0 00 | 0 17 | 0                          | 1  | 4  | 5  | 3   | 8   | 0 17                       | 0 68 | 0 84 | 0 51 | 1 35 | 36        | 120 | 0     | 1184  |
| WKS                        | 25  | GREENSB   | 0 00 | 0 26 | 0                          | 1  | 4  | 5  | 13  | 18  | 0 26                       | 1 06 | 1 32 | 3 44 | 4 77 | 7         | 118 | 0     | 755   |
| WKS                        | 29  | CHILLIC   | 0 00 | 0 99 | 0                          | 1  | 0  | 1  | 1   | 2   | 0 99                       | 0 00 | 0 99 | 0 99 | 1 97 | 1         | 1   | 0     | 203   |
| WKS                        | 40  | PAC       | 0 00 | 0 00 | 0                          | 0  | 0  | 0  | 2   | 2   | 0 00                       | 0 00 | 0 00 | 7 27 | 7 27 | 0         | 0   | 0     | 55    |
| TECH                       | DEV |           | 0 00 | 0 00 | 0                          | 0  | 0  | 0  | 0   | 0   | 0 00                       | 0 00 | 0 00 | 0 00 | 0 00 | 0         | 0   | 0     | 62    |
| TOTAL AA&S MFG.            |     |           | 0 00 | 0 27 | 0                          | 3  | 8  | 11 | 19  | 30  | 0 27                       | 0 71 | 0 97 | 1 68 | 2 66 | 44        | 239 | 0     | 2259  |
| SALES & DIST               |     |           |      |      |                            |    |    |    |     |     |                            |      |      |      |      |           |     |       |       |
| DEPOTS                     |     |           | 0 00 | 0 00 | 0                          | 0  | 0  | 0  | 0   | 0   | 0 00                       | 0 00 | 0 00 | 0 00 | 0 00 | 0         | 0   | 0     | 24    |
| SALES & MKT                |     |           | 0 00 | 0 00 | 0                          | 0  | 0  | 0  | 0   | 0   | 0 00                       | 0 00 | 0 00 | 0 00 | 0 00 | 0         | 0   | 0     | 48    |
| TOTAL AA&S SLS DT          |     |           | 0 00 | 0 00 | 0                          | 0  | 0  | 0  | 0   | 0   | 0 00                       | 0 00 | 0 00 | 0 00 | 0 00 | 0         | 0   | 0     | 72    |
| TOTAL AA&S                 |     |           | 0 00 | 0 26 | 0                          | 3  | 8  | 11 | 19  | 30  | 0 26                       | 0 69 | 0 94 | 1 63 | 2 57 | 44        | 239 | 0     | 2331  |
| -----                      |     |           |      |      |                            |    |    |    |     |     |                            |      |      |      |      |           |     |       |       |
| AUTOMOTIVE - OEM           |     |           |      |      |                            |    |    |    |     |     |                            |      |      |      |      |           |     |       |       |
| MANUFACTURING              |     |           |      |      |                            |    |    |    |     |     |                            |      |      |      |      |           |     |       |       |
| WKS                        | 1   | CREIGHTON | 0 00 | 0 23 | 0                          | 1  | 5  | 6  | 22  | 28  | 0 23                       | 1 15 | 1 37 | 5 04 | 6 41 | 134       | 229 | 0     | 873   |
| WKS                        | 26  | CRESTLINE | 0 14 | 0 00 | 0                          | 0  | 3  | 3  | 12  | 15  | 0 00                       | 0 40 | 0 40 | 1 58 | 1 98 | 0         | 58  | 0     | 1517  |
| WKS                        | 27  | TIPTON    | 0 18 | 0 29 | 0                          | 2  | 4  | 6  | 15  | 21  | 0 29                       | 0 58 | 0 87 | 2 19 | 3 06 | 55        | 170 | 0     | 1372  |
| WKS                        | 28  | EVANSVLE  | 0 31 | 0 00 | 0                          | 0  | 1  | 1  | 15  | 16  | 0 00                       | 0 25 | 0 25 | 3 81 | 4 06 | 0         | 2   | 0     | 788   |
| OSHAWA                     |     |           | 0 29 | 0 74 | 0                          | 3  | 4  | 7  | 17  | 24  | 0 74                       | 0 98 | 1 72 | 4 18 | 5 90 | 138       | 149 | 0     | 813   |
| HAWKESBURY                 |     |           | 0 00 | 0 70 | 0                          | 3  | 3  | 6  | 23  | 29  | 0 70                       | 0 70 | 1 39 | 5 34 | 6 74 | 59        | 135 | 0     | 861   |
| TOTAL AUTO MFG             |     |           | 0 15 | 0 29 | 0                          | 9  | 20 | 29 | 104 | 133 | 0 29                       | 0 64 | 0 93 | 3 34 | 4 27 | 386       | 743 | 0     | 6224  |
| SALES/DIST                 |     |           |      |      |                            |    |    |    |     |     |                            |      |      |      |      |           |     |       |       |
| TOTAL SLS/DIST             |     |           | 0 00 | 0 00 | 0                          | 0  | 0  | 0  | 0   | 0   | 0 00                       | 0 00 | 0 00 | 0 00 | 0 00 | 0         | 0   | 0     | 32    |
| TOTAL AUTO - OEM           |     |           | 0 15 | 0 29 | 0                          | 9  | 20 | 29 | 104 | 133 | 0 29                       | 0 64 | 0 93 | 3 32 | 4 25 | 386       | 743 | 0     | 6256  |

PAGE 7

DTHS=DEATH  
NF=NON FATAL

AW=AWAY FROM WORK  
RC=RECORDABLE CASE

RA=RESTRICTED ACTIVITY  
TDL=TOTAL DAYS LOST

LW=LOST WORKDAY  
NSC=NATIONAL SAFETY COUNCIL

SL 103560

PFG INDUSTRIES INC RECORDABLE WORK INJURY AND ILLNESS REPORT  
1985  
GLASS GROUP

ALL TIME FIBERGLASS RECORDS  
DAYS  
HOURS 19,254,737 LEXINGTON

|                   | 1985<br>RATE<br>GOAL | NSC<br>FATE<br>YTD | ***** OSHA CASES YTD ***** |    |    |    |    | ***** OSHA INCIDENCE ***** |      |      |      |      | ***** RATES YTD ***** |     |     |   | WORK DAYS<br>LOST YTD |     | AW<br>CASES<br>MO | WH<br>YTD |
|-------------------|----------------------|--------------------|----------------------------|----|----|----|----|----------------------------|------|------|------|------|-----------------------|-----|-----|---|-----------------------|-----|-------------------|-----------|
|                   |                      |                    | DTHS                       | AW | RA | LW | NF | RC                         | AW   | RA   | LW   | NF   | RC                    |     |     |   | AW                    | TDL |                   |           |
| FIBER GLASS       |                      |                    |                            |    |    |    |    |                            |      |      |      |      |                       |     |     |   |                       |     |                   |           |
| MANUFACTURING     |                      |                    |                            |    |    |    |    |                            |      |      |      |      |                       |     |     |   |                       |     |                   |           |
| WKS 52 SHELBY     | 0 00                 | 0 14               | 0                          | 2  | 12 | 14 | 49 | 63                         | 0 14 | 0 82 | 0 96 | 3 37 | 4 33                  | 97  | 211 | 0 | 2910                  |     |                   |           |
| WKS 53 LEXINGTON  | 0 00                 | 0 14               | 0                          | 2  | 52 | 54 | 14 | 68                         | 0 14 | 3 60 | 3 80 | 0 99 | 4 79                  | 119 | 484 | 0 | 2841                  |     |                   |           |
| TOTAL F/G MFG     | 0 00                 | 0 14               | 0                          | 4  | 64 | 68 | 63 | 131                        | 0 14 | 2 23 | 2 36 | 2 19 | 4 56                  | 216 | 695 | 0 | 5751                  |     |                   |           |
| SALES/DIST        |                      |                    |                            |    |    |    |    |                            |      |      |      |      |                       |     |     |   |                       |     |                   |           |
| TOTAL SALES       | 0 00                 | 0 00               | 0                          | 0  | 0  | 0  | 0  | 0                          | 0 00 | 0 00 | 0 00 | 0 00 | 0 00                  | 0   | 0   | 0 | 74                    |     |                   |           |
| TOTAL FIBER GLASS | 0 00                 | 0 14               | 0                          | 4  | 64 | 68 | 63 | 131                        | 0 14 | 2 20 | 2 33 | 2 16 | 4 50                  | 216 | 695 | 0 | 5825                  |     |                   |           |

|                        |      |      |   |   |   |   |    |    |      |      |      |      |      |   |   |   |     |  |  |  |
|------------------------|------|------|---|---|---|---|----|----|------|------|------|------|------|---|---|---|-----|--|--|--|
| RESEARCH & DEVELOPMENT |      |      |   |   |   |   |    |    |      |      |      |      |      |   |   |   |     |  |  |  |
| WKS 17 HARMARV         | 0 00 | 0 00 | 0 | 0 | 1 | 1 | 7  | 8  | 0 00 | 0 29 | 0 29 | 2 01 | 2 29 | 0 | 0 | 0 | 698 |  |  |  |
| WKS 51 O'HARA TWP      | 0 00 | 0 00 | 0 | 0 | 1 | 1 | 3  | 4  | 0 00 | 0 74 | 0 74 | 2 23 | 2 97 | 0 | 9 | 0 | 209 |  |  |  |
| TOTAL R&D              | 0 00 | 0 00 | 0 | 0 | 2 | 2 | 10 | 12 | 0 00 | 0 41 | 0 41 | 2 07 | 2 48 | 0 | 9 | 0 | 967 |  |  |  |

|                |      |      |   |   |   |   |   |   |      |      |      |      |      |   |   |   |      |  |  |  |
|----------------|------|------|---|---|---|---|---|---|------|------|------|------|------|---|---|---|------|--|--|--|
| GENERAL OFFICE |      |      |   |   |   |   |   |   |      |      |      |      |      |   |   |   |      |  |  |  |
| SLS/DIST/ADMIN |      |      |   |   |   |   |   |   |      |      |      |      |      |   |   |   |      |  |  |  |
| U S            | 0 00 | 0 00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 00 | 0 00 | 0 00 | 0 00 | 0 00 | 0 | 0 | 0 | 989  |  |  |  |
| CANADA         | 0 00 | 0 00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 00 | 0 00 | 0 00 | 0 00 | 0 00 | 0 | 0 | 0 | 240  |  |  |  |
| TOTAL ADMIN    | 0 00 | 0 00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 00 | 0 00 | 0 00 | 0 00 | 0 00 | 0 | 0 | 0 | 1229 |  |  |  |

|                      |      |      |   |    |     |     |     |     |      |      |      |      |      |      |      |   |       |  |  |  |
|----------------------|------|------|---|----|-----|-----|-----|-----|------|------|------|------|------|------|------|---|-------|--|--|--|
| TOTAL GROUP MFG      | 0 17 | 0 23 | 0 | 27 | 133 | 160 | 343 | 503 | 0 23 | 1 11 | 1 34 | 2 87 | 4 21 | 1126 | 3021 | 0 | 23879 |  |  |  |
| TOTAL GROUP R&D      | 0 00 | 0 00 | 0 | 0  | 2   | 2   | 10  | 12  | 0 00 | 0 41 | 0 41 | 2 07 | 2 48 | 0    | 9    | 0 | 967   |  |  |  |
| TOTAL GROUP SLS/DIST | 0 98 | 1 23 | 1 | 55 | 0   | 55  | 265 | 321 | 1 21 | 0 00 | 1 21 | 5 83 | 7 06 | 1457 | 1457 | 0 | 5092  |  |  |  |
| TOTAL GLASS GROUP    | 0 41 | 0 49 | 1 | 82 | 135 | 217 | 618 | 836 | 0 48 | 0 80 | 1 28 | 3 64 | 4 93 | 2583 | 4487 | 0 | 32945 |  |  |  |

PPG INDUSTRIES, INC RECORDABLE WORK INJURY AND ILLNESS REPORT  
1985  
CHEMICALS GROUP

ALL TIME ICD RECORDS  
DAYS 6,973 BARBERTON R&D  
HOURS 10,444,485 BARBERTON

|                    | 1985<br>RATE<br>GOAL | NSC<br>RATE<br>YTD | ***** OSHA CASES YTD ***** |    |    |    |    | ***** OSHA INCIDENCE ***** |      |       |       |      | WORK DAYS |     |      |    | AW    | WH  |
|--------------------|----------------------|--------------------|----------------------------|----|----|----|----|----------------------------|------|-------|-------|------|-----------|-----|------|----|-------|-----|
|                    |                      |                    | ***** TOT *****            |    |    |    |    | ***** RATES YTD *****      |      |       |       |      | LOST YTD  |     |      |    | CASES | YTD |
|                    |                      |                    | DTHS                       | AW | RA | LW | NF | RC                         | AW   | RA    | LW    | NF   | RC        | AW  | TDL  | MO | (000) |     |
| MANUFACTURING      |                      |                    |                            |    |    |    |    |                            |      |       |       |      |           |     |      |    |       |     |
| BARBERTON          | 0 00                 | 0 00               | 0                          | 0  | 3  | 3  | 1  | 4                          | 0 00 | 1 99  | 1 99  | 0 46 | 2 45      | 0   | 51   | 0  | 302   |     |
| CORPUS CHRISTI     | 0 00                 | 0 00               | 0                          | 0  | 0  | 0  | 0  | 0                          | 0 00 | 0 00  | 0 00  | 0 00 | 0 00      | 0   | 0    | 0  | 8     |     |
| PPG CAN INC        | 0 00                 | 0 87               | 1                          | 1  | 2  | 3  | 2  | 6                          | 0 44 | 0 87  | 1 31  | 0 87 | 2 61      | 96  | 137  | 0  | 459   |     |
| PD GLYCOL          | 0 00                 | 0 37               | 0                          | 1  | 5  | 6  | 1  | 7                          | 0 37 | 1 84  | 2 21  | 0 37 | 2 58      | 51  | 128  | 0  | 543   |     |
| KALIUM             | 0 00                 | 0 00               | 0                          | 0  | 0  | 0  | 3  | 3                          | 0 00 | 0 00  | 0 00  | 1 49 | 1 49      | 0   | 0    | 0  | 403   |     |
| LAKE CHARLES       | 0 10                 | 0 11               | 0                          | 1  | 15 | 17 | 19 | 36                         | 0 11 | 0 79  | 0 90  | 1 00 | 1 90      | 56  | 382  | 0  | 3782  |     |
| LA PORTE           | 0 00                 | 0 82               | 0                          | 1  | 7  | 8  | 1  | 9                          | 0 82 | 5 74  | 6 56  | 0 82 | 7 38      | 31  | 110  | 0  | 244   |     |
| NATRIUM            | 0 11                 | 0 23               | 0                          | 2  | 21 | 23 | 13 | 36                         | 0 23 | 2 37  | 2 60  | 1 47 | 4 07      | 62  | 258  | 0  | 1769  |     |
| STOCKERTOWN        | 0 00                 | 0 00               | 0                          | 0  | 4  | 4  | 0  | 4                          | 0 00 | 14 29 | 14 29 | 0 00 | 14 29     | 0   | 20   | 0  | 56    |     |
| U S POTASH         | 0 00                 | 0 00               | 0                          | 0  | 0  | 0  | 2  | 2                          | 0 00 | 0 00  | 0 00  | 8 70 | 8 70      | 0   | 0    | 0  | 46    |     |
| TOTAL MFG          | 0 07                 | 0 21               | 1                          | 7  | 57 | 64 | 42 | 107                        | 0 18 | 1 50  | 1 68  | 1 10 | 2 81      | 296 | 1086 | 0  | 7612  |     |
| RESEARCH & DEVEL   |                      |                    |                            |    |    |    |    |                            |      |       |       |      |           |     |      |    |       |     |
| BARBERTON          | 0 00                 | 0 00               | 0                          | 0  | 0  | 0  | 0  | 0                          | 0 00 | 0 00  | 0 00  | 0 00 | 0 00      | 0   | 0    | 0  | 514   |     |
| CHICAGO            | 0 00                 | 0 00               | 0                          | 0  | 0  | 0  | 1  | 1                          | 0 00 | 0 00  | 0 00  | 1 52 | 1 52      | 0   | 0    | 0  | 132   |     |
| TOTAL U S R&D      | 0 00                 | 0 00               | 0                          | 0  | 0  | 0  | 1  | 1                          | 0 00 | 0 00  | 0 00  | 0 31 | 0 31      | 0   | 0    | 0  | 646   |     |
| SALES/DST/ADMIN    |                      |                    |                            |    |    |    |    |                            |      |       |       |      |           |     |      |    |       |     |
| BIOCHEMICALS       | 0 00                 | 0 00               | 0                          | 0  | 0  | 0  | 0  | 0                          | 0 00 | 0 00  | 0 00  | 0 00 | 0 00      | 0   | 0    | 0  | 98    |     |
| INDUSTRIAL SALES   | 0 00                 | 0 00               | 0                          | 0  | 0  | 0  | 0  | 0                          | 0 00 | 0 00  | 0 00  | 0 00 | 0 00      | 0   | 0    | 0  | 191   |     |
| KALIUM SALES       | 0 00                 | 0 00               | 0                          | 0  | 1  | 1  | 0  | 1                          | 0 00 | 2 90  | 2 90  | 0 00 | 2 90      | 0   | 1    | 0  | 69    |     |
| PERFORMANCE PROD   | 0 00                 | 0 00               | 0                          | 0  | 0  | 0  | 0  | 0                          | 0 00 | 0 00  | 0 00  | 0 00 | 0 00      | 0   | 0    | 0  | 36    |     |
| STANCHEM CAN       | 0 00                 | 0 00               | 0                          | 0  | 0  | 0  | 0  | 0                          | 0 00 | 0 00  | 0 00  | 0 00 | 0 00      | 0   | 0    | 0  | 92    |     |
| G O ADMIN          | 0 00                 | 0 00               | 0                          | 0  | 0  | 0  | 3  | 3                          | 0 00 | 0 00  | 0 00  | 0 48 | 0 48      | 0   | 0    | 0  | 1260  |     |
| TOTAL ALL SLS&DIST | 0 00                 | 0 00               | 0                          | 0  | 1  | 1  | 3  | 4                          | 0 00 | 0 11  | 0 11  | 0 34 | 0 46      | 0   | 1    | 0  | 1746  |     |
| TOTAL ALL OPER     | 0 08                 | 0 16               | 1                          | 7  | 58 | 65 | 46 | 112                        | 0 14 | 1 16  | 1 30  | 0 92 | 2 24      | 296 | 1087 | 0  | 10004 |     |

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DTHS=DEATHS  
NF=NON FATAL

AW=AWAY FROM WORK  
RC=RECORDABLE CASE

RA=RESTRICTED ACTIVITY  
TDL=TOTAL DAYS LOST

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PPG INDUSTRIES, INC RECORDABLE WORK INJURY AND ILLNESS REPORT  
1985  
COATINGS & RESINS GROUP

ALL TIME C&R GROUP RECORDS  
DAYS 3773 PORTLAND  
HOURS 7,072,501 CLEVELAND

|                   | 1985 | NSC  | ***** OSHA CASES YTD ***** |    |    |    |     | ***** OSHA INCIDENCE ***** |      |      |      |      | WORK DAYS |       | AW   | WH       |
|-------------------|------|------|----------------------------|----|----|----|-----|----------------------------|------|------|------|------|-----------|-------|------|----------|
|                   | RATE | RATE | ***** TOT *****            |    |    |    |     | ***** RATES YTD *****      |      |      |      |      | LOST YTD  | CASES | YTD  |          |
|                   | GOAL | YTD  | DTHS                       | AW | RA | LW | NF  | RC                         | AW   | RA   | LW   | NF   | RC        | AW    | TDL  | MO (000) |
| MANUFACTURING     |      |      |                            |    |    |    |     |                            |      |      |      |      |           |       |      |          |
| C&R MANUFACTURING |      |      |                            |    |    |    |     |                            |      |      |      |      |           |       |      |          |
| AUTO SATELLITES   | 0 00 | 0 00 | 0                          | 0  | 1  | 1  | 2   | 3                          | 0 00 | 2 33 | 2 33 | 4 65 | 6 98      | 0     | 2    | 0 86     |
| BALTIMORE         | 0 00 | 0 00 | 0                          | 0  | 0  | 0  | 12  | 12                         | 0 00 | 0 00 | 0 00 | 7 10 | 7 10      | 0     | 0    | 0 338    |
| CIRCLEVILLE       | 0 00 | 0 00 | 0                          | 0  | 7  | 7  | 2   | 9                          | 0 00 | 3 06 | 3 06 | 0 87 | 3 93      | 0     | 172  | 0 458    |
| CLARKSON          | 0 00 | 0 79 | 0                          | 3  | 2  | 5  | 4   | 9                          | 0 79 | 0 53 | 1 32 | 1 06 | 2 38      | 124   | 149  | 0 757    |
| CLEVELAND         | 0 15 | 0 00 | 0                          | 0  | 12 | 12 | 18  | 30                         | 0 00 | 0 83 | 0 83 | 1 24 | 2 07      | 0     | 122  | 0 2903   |
| DELAWARE          | 0 00 | 0 18 | 0                          | 1  | 6  | 7  | 8   | 15                         | 0 18 | 1 08 | 1 26 | 1 45 | 2 71      | 7     | 74   | 0 1107   |
| DOVER             | 0 00 | 0 00 | 0                          | 0  | 2  | 2  | 4   | 6                          | 0 00 | 2 02 | 2 02 | 4 04 | 6 06      | 0     | 19   | 0 198    |
| EAST POINT        | 0 36 | 0 00 | 0                          | 0  | 0  | 0  | 7   | 7                          | 0 00 | 0 00 | 0 00 | 2 44 | 2 44      | 0     | 0    | 0 573    |
| HOUSTON           | 0 00 | 0 00 | 0                          | 0  | 0  | 0  | 3   | 3                          | 0 00 | 0 00 | 0 00 | 2 25 | 2 25      | 0     | 0    | 0 267    |
| OAK CREEK         | 0 18 | 0 00 | 0                          | 0  | 9  | 9  | 10  | 19                         | 0 00 | 1 52 | 1 52 | 1 68 | 3 20      | 0     | 111  | 0 1188   |
| SPRINGDALE        | 0 00 | 0 32 | 0                          | 1  | 0  | 1  | 8   | 9                          | 0 32 | 0 00 | 0 32 | 2 56 | 2 88      | 81    | 122  | 0 626    |
| TORONTO           | 0 00 | 0 78 | 0                          | 1  | 0  | 1  | 3   | 4                          | 0 78 | 0 00 | 0 78 | 2 34 | 3 13      | 4     | 4    | 0 256    |
| TORRANCE          | 0 00 | 1 30 | 0                          | 0  | 2  | 5  | 6   | 11                         | 1 30 | 0 87 | 2 17 | 2 60 | 4 77      | 9     | 42   | 0 461    |
| TOTAL ALL C&R MFG | 0 28 | 0 20 | 0                          | 9  | 41 | 50 | 87  | 137                        | 0 20 | 0 89 | 1 08 | 1 89 | 2 97      | 225   | 817  | 0 9218   |
| I/A MANUFACTURING |      |      |                            |    |    |    |     |                            |      |      |      |      |           |       |      |          |
| BOWERS (US)       | 0 40 | 0 88 | 0                          | 2  | 0  | 2  | 7   | 9                          | 0 88 | 0 00 | 0 88 | 3 08 | 3 96      | 9     | 29   | 0 455    |
| BOWERS (CAN)      | 1 38 | 0 00 | 0                          | 0  | 0  | 0  | 0   | 0                          | 0 00 | 0 00 | 0 00 | 0 00 | 0 00      | 0     | 0    | 0 164    |
| HUGHES PRODUCTS   | 0 92 | 0 00 | 0                          | 0  | 6  | 6  | 2   | 8                          | 0 00 | 5 29 | 5 29 | 1 76 | 7 05      | 0     | 46   | 0 227    |
| PACKAGING INKS    | 0 00 | 3 83 | 0                          | 5  | 3  | 8  | 6   | 14                         | 3 83 | 2 30 | 6 13 | 4 60 | 10 73     | 144   | 183  | 0 261    |
| TOTAL ALL I/A MFG | 0 87 | 1 27 | 0                          | 7  | 9  | 16 | 15  | 31                         | 1 27 | 1 63 | 2 90 | 2 71 | 5 61      | 153   | 258  | 0 1107   |
| 56 TOTAL ALL MFG  | 0 35 | 0 31 | 0                          | 16 | 50 | 66 | 102 | 168                        | 0 31 | 0 97 | 1 28 | 1 98 | 3 25      | 378   | 1075 | 0 10325  |
| RESEARCH & DEVEL  |      |      |                            |    |    |    |     |                            |      |      |      |      |           |       |      |          |
| ALL LOCATIONS     | 0 00 | 0 13 | 0                          | 1  | 4  | 5  | 7   | 12                         | 0 13 | 0 53 | 0 66 | 0 93 | 1 60      | 25    | 69   | 0 1504   |

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DTHS=DEATHS  
NF=NON FATAL

AW=AWAY FROM WORK  
RC=RECORDABLE CASE

RA=RESTRICTED ACTIVITY  
TDL=TOTAL DAYS LOST

LW=LOST WORKDAY  
NSC=NATIONAL SAFETY COUNCIL

SL 103563

PPG INDUSTRIES, INC RECORDABLE WORK INJURY AND ILLNESS REPORT  
1985  
COATINGS & RESINS GROUP

ALL TIME C&R GROUP RECORDS  
DAYS 3773 PORTLAND  
HOURS 7,072,501 CLEVELAND

|                   | 1985<br>RATE<br>GOAL | NSC<br>RATE<br>YTD | ***** OSHA CASES YTD ***** |    |    |    |     | ***** OSHA INCIDENCE ***** |      |      |      |      | WORK DAYS |       | AW   | WH        |
|-------------------|----------------------|--------------------|----------------------------|----|----|----|-----|----------------------------|------|------|------|------|-----------|-------|------|-----------|
|                   |                      |                    | ***** TOT *****            |    |    |    |     | ***** RATES YTD *****      |      |      |      |      | LOST YTD  | CASES | YTD  |           |
|                   |                      |                    | DTHS                       | AW | RA | LW | NF  | RC                         | AW   | RA   | LW   | NF   | RC        | AW    | TDL  | MO. (000) |
| SALES/DIST/ADMIN  |                      |                    |                            |    |    |    |     |                            |      |      |      |      |           |       |      |           |
| TRADE SALES       |                      |                    |                            |    |    |    |     |                            |      |      |      |      |           |       |      |           |
| SERVICE CTRS E    | N/A                  | 0 00               | 0                          | 0  | 0  | 0  | 10  | 10                         | 0 00 | 0 00 | 0 00 | 4.26 | 4.26      | 0     | 0    | 0 469     |
| SERVICE CTRS W    | N/A                  | 1 01               | 0                          | 3  | 4  | 7  | 10  | 17                         | 1 01 | 1 34 | 2 35 | 3.36 | 5.71      | 106   | 283  | 0 595     |
| CANADIAN REGION   | N/A                  | 0 00               | 0                          | 0  | 1  | 1  | 1   | 2                          | 0 00 | 1 80 | 1 80 | 1.80 | 3.60      | 0     | 0    | 0 111     |
| PROF SALES E      | N/A                  | 0 00               | 0                          | 0  | 0  | 0  | 2   | 2                          | 0 00 | 0 00 | 0 00 | 2.31 | 2 31      | 0     | 0    | 0 173     |
| PROF SALES W      | N/A                  | 0 00               | 0                          | 0  | 0  | 0  | 0   | 0                          | 0 00 | 0 00 | 0 00 | 0 00 | 0 00      | 0     | 0    | 0 271     |
| HDM SALES         | N/A                  | 0 00               | 0                          | 0  | 0  | 0  | 0   | 0                          | 0 00 | 0 00 | 0 00 | 0 00 | 0 00      | 0     | 0    | 0 23      |
| DEALER SALES      | N/A                  | 0 00               | 0                          | 0  | 0  | 0  | 0   | 0                          | 0 00 | 0 00 | 0 00 | 0 00 | 0 00      | 0     | 0    | 0 355     |
| TOTAL ALL TRADE   | 0 83                 | 0 30               | 0                          | 3  | 5  | 8  | 23  | 31                         | 0 30 | 0 50 | 0 80 | 2 30 | 3 10      | 106   | 283  | 0 1997    |
| DISTRIBUTION      |                      |                    |                            |    |    |    |     |                            |      |      |      |      |           |       |      |           |
| DIST CENTERS      | 1 03                 | 1 30               | 0                          | 2  | 0  | 2  | 2   | 4                          | 1 30 | 0 00 | 1 30 | 1 30 | 2 61      | 258   | 258  | 0 307     |
| DIST CENT CAN     | 0 00                 | 0 00               | 0                          | 0  | 1  | 1  | 2   | 3                          | 0 00 | 4 76 | 4 76 | 9 52 | 14 29     | 0     | 5    | 0 42      |
| DITZLER WHSE      | 0 00                 | 0 00               | 0                          | 0  | 7  | 7  | 3   | 10                         | 0 00 | 4 52 | 4 52 | 1 94 | 6 45      | 0     | 39   | 0 310     |
| INDUSTRIAL SALES  | 0 00                 | 0 35               | 0                          | 1  | 0  | 1  | 1   | 2                          | 0 35 | 0 00 | 0 35 | 0 35 | 0 69      | 16    | 16   | 0 576     |
| TECH FIELD REPS   | 0 00                 | 1 21               | 0                          | 1  | 0  | 1  | 4   | 5                          | 1 21 | 0 00 | 1 21 | 4 85 | 6 06      | 6     | 6    | 0 165     |
| REFINISH SALES    | 0 00                 | 1 28               | 0                          | 2  | 0  | 2  | 2   | 4                          | 1 28 | 0 00 | 1 28 | 1 28 | 2 56      | 21    | 22   | 0 312     |
| TOTAL DIST        | 0 23                 | 0 70               | 0                          | 6  | 8  | 14 | 14  | 28                         | 0 70 | 0 93 | 1 64 | 1 64 | 3 27      | 301   | 346  | 0 1712    |
| ADMINISTRATION    |                      |                    |                            |    |    |    |     |                            |      |      |      |      |           |       |      |           |
| GENERAL OFFICE    | 0 00                 | 0 00               | 0                          | 0  | 1  | 1  | 1   | 2                          | 0 00 | 0 72 | 0 72 | 0 72 | 1 44      | 0     | 8    | 0 278     |
| TOTAL SLS/DST/ADM | 0 66                 | 0 45               | 0                          | 9  | 14 | 23 | 38  | 61                         | 0 45 | 0 70 | 1 15 | 1 91 | 3 06      | 407   | 637  | 0 3987    |
| TOTAL C&R GROUP   | 0 39                 | 0 33               | 0                          | 26 | 68 | 94 | 147 | 241                        | 0 33 | 0 86 | 1 19 | 1 86 | 3 05      | 810   | 1781 | 0 15816   |

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DTHS=DEATHS  
NF=NON FATAL

AW=AWAY FROM WORK  
RC=RECORDABLE CASE

RA=RESTRICTED ACTIVITY  
TDL=TOTAL DAYS LOST

LW=LOST WORKDAY  
NSC=NATIONAL SAFETY COUNCIL

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## PPG INDUSTRIES INC RECORDABLE WORK INJURY AND ILLNESS REPORT

1985

## DETAILED OPERATIONS SUMMARY

## ALL TIME CORPORATE RECORDS

DAYS 3,773 PORTLAND

HOURS 19,254,737 LEXINGTON

|                                  | 1985 | NOC   | ***** OSHA CASES YTD ***** |    |     |     |     |     | ***** OSHA INCIDENCE ***** |       |       |       |       | WORK DAYS |       | AW  | WH     |
|----------------------------------|------|-------|----------------------------|----|-----|-----|-----|-----|----------------------------|-------|-------|-------|-------|-----------|-------|-----|--------|
|                                  | RATE | RATE  | ***** TOT ***** TDT        |    |     |     |     |     | ***** RATES YTD *****      |       |       |       |       | LOST YTD  | CASES | YTD |        |
|                                  | GOAL | YTD   | ETHE                       | AW | RA  | LW  | NP  | RC  | AW                         | RA    | LW    | NP    | RC    | AW        | TDL   | MO  | (0000) |
| <b>MANUFACTURING</b>             |      |       |                            |    |     |     |     |     |                            |       |       |       |       |           |       |     |        |
| CHEM GROUP ALL                   | 0 07 | 0 21  | 1                          | 7  | 57  | 64  | 42  | 107 | 0 18                       | 1 50  | 1 68  | 1 10  | 2 81  | 296       | 1086  | 0   | 7612   |
| CHEM GROUP CAN                   | 0 00 | 0 00  | 1                          | 1  | 2   | 3   | 5   | 10  | 0 00                       | 0 00  | 0 00  | 1 49  | 1 49  | 96        | 137   | 0   | 862    |
| CHEM GROUP U S                   |      | 0 18  | 0                          | 6  | 55  | 61  | 37  | 97  | 0 18                       | 1 63  | 1 81  | 1 10  | 2 87  | 200       | 949   | 0   | 6750   |
| C&R GROUP ALL                    | 0 35 | 0 31  | 0                          | 15 | 50  | 66  | 102 | 168 | 0 31                       | 0 97  | 1 28  | 1 98  | 3 25  | 378       | 1075  | 0   | 10325  |
| C&R GROUP CAN                    |      | 0 68  | 0                          | 4  | 2   | 6   | 7   | 13  | 0 68                       | 0 34  | 1 02  | 1 19  | 2 21  | 128       | 153   | 0   | 1177   |
| C&R GROUP U S                    |      | 0 26  | 0                          | 12 | 48  | 60  | 95  | 155 | 0 26                       | 1 05  | 1 31  | 2 08  | 3 39  | 250       | 922   | 0   | 9148   |
| GLASS GROUP ALL                  | 0 17 | 0 23  | 0                          | 27 | 133 | 160 | 343 | 503 | 0 23                       | 1 11  | 1 34  | 2 87  | 4 21  | 1126      | 3021  | 0   | 23879  |
| GLASS GROUP CAN                  |      | 0 50  | 0                          | 7  | 8   | 15  | 69  | 84  | 0 50                       | 0 57  | 1 07  | 4 91  | 5 98  | 294       | 386   | 0   | 2811   |
| GLASS GROUP U S                  |      | 0 19  | 0                          | 20 | 125 | 145 | 274 | 419 | 0 19                       | 1 19  | 1 38  | 2 60  | 3 98  | 832       | 2635  | 0   | 21068  |
| TOTAL ALL MFG                    | 0 44 | 0 24  | 1                          | 50 | 240 | 290 | 487 | 778 | 0 24                       | 1 15  | 1 39  | 2 33  | 3 72  | 1800      | 5182  | 0   | 41816  |
| TOTAL CAN MFG                    |      | 0 54  | 1                          | 12 | 12  | 24  | 81  | 106 | 0 50                       | 0 50  | 0 99  | 3 34  | 4 37  | 518       | 676   | 0   | 4850   |
| TOTAL U S MFG                    |      | 0 21  | 0                          | 38 | 228 | 266 | 406 | 672 | 0 21                       | 1 23  | 1 44  | 2 20  | 3 64  | 1282      | 4506  | 0   | 36966  |
| <b>RESEARCH AND DEVELOPMENT</b>  |      |       |                            |    |     |     |     |     |                            |       |       |       |       |           |       |     |        |
| CHEM GROUP ALL                   | 0 00 | 0 00  | 0                          | 0  | 0   | 0   | 1   | 1   | 0 00                       | 0 00  | 0 00  | 0 31  | 0 31  | 1         | 0     | 0   | 646    |
| CHEM GROUP CAN                   |      |       |                            |    |     |     |     |     |                            |       |       |       |       |           |       |     |        |
| CHEM GROUP U S                   | 0 00 | 0 00  | 0                          | 0  | 0   | 0   | 1   | 1   | 0 00                       | 0 00  | 0 00  | 0 31  | 0 31  | 1         | 0     | 0   | 646    |
| C&R GROUP ALL                    | 0 00 | 0 13  | 0                          | 1  | 4   | 5   | 7   | 12  | 0 13                       | 0 53  | 0 66  | 0 93  | 1 60  | 25        | 69    | 0   | 1504   |
| C&R GROUP CAN                    |      |       |                            |    |     |     |     |     |                            |       |       |       |       |           |       |     |        |
| C&R GROUP U S                    | 0 00 | 0 13  | 0                          | 1  | 4   | 5   | 7   | 12  | 0 13                       | 0 53  | 0 66  | 0 93  | 1 60  | 25        | 69    | 0   | 1504   |
| GLASS GROUP ALL                  | 0 00 | 0 00  | 0                          | 0  | 2   | 2   | 10  | 12  | 0 00                       | 0 41  | 0 41  | 2 07  | 2 48  | 0         | 9     | 0   | 967    |
| GLASS GROUP CAN                  |      |       |                            |    |     |     |     |     |                            |       |       |       |       |           |       |     |        |
| GLASS GROUP U S                  | 0 00 | 0 00  | 0                          | 0  | 2   | 2   | 10  | 12  | 0 00                       | 0 41  | 0 41  | 2 07  | 2 48  | 0         | 9     | 0   | 967    |
| TOTAL ALL R&D                    | 0 34 | 0 06  | 0                          | 1  | 6   | 7   | 18  | 25  | 0 06                       | 0 38  | 0 45  | 1 15  | 1 60  | 26        | 78    | 0   | 3117   |
| TOTAL CAN R&D                    |      | ERROR | 0                          | 0  | 0   | 0   | 0   | 0   | ERROR                      | ERROR | ERROR | ERROR | ERROR | 0         | 0     | 0   | 0      |
| TOTAL U S R&D                    |      | 0 06  | 0                          | 1  | 6   | 7   | 18  | 25  | 0 06                       | 0 38  | 0 45  | 1 15  | 1 60  | 26        | 78    | 0   | 3117   |
| <b>SALES/DIST/ADMINISTRATION</b> |      |       |                            |    |     |     |     |     |                            |       |       |       |       |           |       |     |        |
| CHEM GROUP ALL                   | 0 00 | 0 00  | 0                          | 0  | 1   | 1   | 3   | 4   | 0 00                       | 0 11  | 0 11  | 0 34  | 0 46  | 0         | 1     | 0   | 1746   |
| CHEM GROUP CAN                   |      | 0 00  | 0                          | 0  | 0   | 0   | 0   | 0   | 0 00                       | 0 00  | 0 00  | 0 00  | 0 00  | 0         | 1     | 0   | 161    |
| CHEM GROUP U S                   |      | 0 00  | 0                          | 0  | 1   | 1   | 3   | 4   | 0 00                       | 0 13  | 0 13  | 0 38  | 0 50  | 0         | 0     | 0   | 1585   |
| C&R GROUP ALL                    | 0 66 | 0 45  | 0                          | 9  | 14  | 23  | 38  | 61  | 0 45                       | 0 70  | 1 15  | 1 91  | 3 06  | 407       | 637   | 0   | 3987   |
| C&R GROUP CAN                    |      | 0 00  | 0                          | 0  | 2   | 2   | 3   | 5   | 0 00                       | 2 61  | 2 61  | 3 92  | 6 54  | 0         | 5     | 0   | 153    |
| C&R GROUP U S                    |      | 0 47  | 0                          | 9  | 12  | 21  | 35  | 56  | 0 47                       | 0 63  | 1 10  | 1 83  | 2 92  | 407       | 632   | 0   | 3834   |
| GLASS GROUP ALL                  | 0 98 | 1 23  | 1                          | 55 | 0   | 55  | 265 | 321 | 1 21                       | 0 00  | 1 21  | 5 83  | 7 06  | 1457      | 1457  | 0   | 9048   |
| GLASS GROUP CAN                  |      | 1 31  | 0                          | 8  | 0   | 8   | 20  | 28  | 1 31                       | 0 00  | 1 31  | 3 27  | 4 58  | 171       | 171   | 0   | 1020   |
| GLASS GROUP U S                  | 0 00 | 1 22  | 1                          | 47 | 0   | 47  | 245 | 293 | 1 19                       | 0 00  | 1 19  | 6 12  | 7 44  | 1286      | 1286  | 0   | 7477   |
| GO CORP STAFF                    | 0 06 | 0 53  | 0                          | 4  | 0   | 4   | 1   | 5   | 0 58                       | 0 00  | 0 58  | 0 15  | 0 73  | 14        | 58    | 0   | 1070   |
| CORP TRUCK FLEET                 | 0 00 | 0 00  | 0                          | 0  | 0   | 0   | 0   | 0   | 0 00                       | 0 00  | 0 00  | 0 00  | 0 00  | 0         | 0     | 0   | 0      |
| TOTAL ALL SL/DST/A               | 0 00 | 0 85  | 1                          | 68 | 15  | 76  | 307 | 391 | 0 84                       | 0 18  | 0 93  | 3 78  | 4 81  | 1878      | 1153  | 0   | 16161  |
| TOTAL CAN SL/DST/A               |      | 1 04  | 0                          | 8  | 2   | 68  | 25  | 33  | 1 04                       | 0 26  | 8 85  | 2 99  | 4 30  | 171       | 177   | 0   | 1010   |
| TOTAL US SL/DST/AD               |      | 0 83  | 1                          | 60 | 13  | 60  | 284 | 358 | 0 81                       | 0 18  | 0 81  | 3 56  | 4 86  | 1707      | 1976  | 0   | 14705  |
| <b>TOTALS FOR ALL OPERATIONS</b> |      |       |                            |    |     |     |     |     |                            |       |       |       |       |           |       |     |        |
| CHEM GROUP ALL                   |      | 0 16  | 1                          | 7  | 58  | 65  | 46  | 112 | 0 14                       | 1 16  | 1 30  | 0 92  | 2 24  | 197       | 1197  | 0   | 10034  |
| CHEM GROUP CAN                   |      | 0 39  | 1                          | 1  | 2   | 3   | 5   | 9   | 0 20                       | 0 39  | 0 59  | 0 92  | 1 77  | 96        | 138   | 0   | 1003   |

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|                  |      |   |     |     |     |     |      |      |      |      |      |      |      |      |   |       |
|------------------|------|---|-----|-----|-----|-----|------|------|------|------|------|------|------|------|---|-------|
| CHEM GROUP U.S   | 0 13 | 0 | 6   | 56  | 62  | 41  | 103  | 0 13 | 1.25 | 1.38 | 0 91 | 2 29 | 201  | 949  | 0 | 8981  |
| C&R GROUP ALL    | 0 33 | 0 | 26  | 68  | 94  | 147 | 241  | 0 33 | 0 86 | 1 19 | 1 86 | 3 05 | 810  | 1781 | 0 | 15816 |
| C&R GROUP CAN    | 0 60 | 0 | 4   | 4   | 8   | 10  | 18   | 0 60 | 0 60 | 1.20 | 1 51 | 2 71 | 128  | 158  | 0 | 1330  |
| C&R GROUP U S    | 0 30 | 0 | 22  | 64  | 86  | 137 | 223  | 0 30 | 0 88 | 1.19 | 1 89 | 3 08 | 682  | 1623 | 0 | 14486 |
| GLASS GROUP ALL  | 0 49 | 1 | 82  | 135 | 217 | 618 | 836  | 0 48 | 0 80 | 1 28 | 3 64 | 4 93 | 2583 | 4487 | 0 | 33944 |
| GLASS GROUP CAN  | 0 74 | 0 | 15  | 8   | 23  | 89  | 112  | 0 74 | 0 40 | 1 14 | 4 41 | 5 55 | 465  | 557  | 0 | 4033  |
| GLASS GROUP U S  | 0 45 | 1 | 67  | 127 | 194 | 529 | 724  | 0 45 | 0 85 | 1 30 | 3 54 | 4 84 | 2118 | 3930 | 0 | 29911 |
| G O CORP STAFF   | 0 58 | 0 | 4   | 0   | 4   | 1   | 5    | 0 58 | 0 00 | 0 58 | 0 15 | 0 73 | 14   | 58   | 0 | 1372  |
| CORP TRUCK FLEET | 0 00 | 0 | 0   | 0   | 0   | 0   | 0    | 0 00 | 0 00 | 0 00 | 0 00 | 0 00 | 0    | 0    | 0 | 58    |
| TOTAL ALL OPER   | 0 40 | 2 | 119 | 261 | 380 | 812 | 1194 | 0 39 | 0 85 | 1.24 | 2 65 | 3 90 | 3704 | 7413 | 0 | 61194 |
| TOTAL CAN OPER   | 0 66 | 1 | 20  | 14  | 34  | 104 | 139  | 0 63 | 0 44 | 1 07 | 3 26 | 4 35 | 689  | 853  | 0 | 6386  |
| TOTAL U S OPER   | 0 36 | 1 | 99  | 247 | 346 | 708 | 1055 | 0 36 | 0 90 | 1 26 | 2 58 | 3.85 | 3015 | 6560 | 0 | 54808 |