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1980

ANNUAL SAFETY & HEALTH REPORT



SL 103138

FOREWORD

This report is in three parts; the 1980 Report, 1980 Accomplishments, and a statistical review with charts.

Reporting are:

All the Corporation's U.S. Plants	50 Units
All the Corporation's U.S. Research & Development Centers	6 Units
All the Corporation's U.S. Sales and Distribution Outlets	14 Units
All the Corporation's U.S. Contract and Supply, Sales and Distribution Centers	9 Units
The Corporation's Canadian C&R and Chemical Plants	4 Units
The Corporation's Canadian C&R and Chemical Sales and Distribution Outlets	4 Units

For purposes of this report, since it covers calendar year 1980, the term "Group" has been retained.

Your comments concerning the format or content of this report are welcome. Send these to H. Clark Underwood, Director, Safety and Health, General Office - 14 West.

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PART I - 1980 REPORT

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OVERVIEW

The reduction of industrial accidents 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 61 years to 1919 when we were experiencing 12 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 0.58.

A closer examination of the experience in the last ten years shows a modest improvement from 0.76 disabling injuries per 100 employees in 1970 to the 1980 experience of 0.58. (See rate chart on pages 28 and 29. The most important statistics follow.)

Year	Corporate NSC Incidence Rate	Corporate Goal	Mfg. Segment NSC Incidence Rate	Mfg. Goal
1980	0.58	0.44	0.36	0.33
1979	0.59	0.43	0.40	0.33
1978	0.53	0.42	0.42	0.32
1977	0.51	0.47	0.39	0.37

The three years from 1977 to 1979 showed an increase from 0.51 to 0.59. However, 1980 reflected a halt to the upward trend by posting a rate of 0.58.

The manufacturing segment NSC rate was 0.36 which is the best performance on record and the first time in several years that the plateau of experience near 0.40 has been significantly improved.

Another significant reduction occurred in the number of "Restricted Activity" cases in 1980. Only 458 cases were reported which was down one-third from 1979, resulting in 6,626 days lost, also down one-third.

THOSE RESPONSIBLE FOR THE MANUFACTURING EXPERIENCE AND THE REDUCTION IN RESTRICTED ACTIVITY CASES SHOULD TAKE CONSIDERABLE PRIDE IN THESE ACHIEVEMENTS.

GOALS

The record shows that the goals established for the total Corporation have not been achieved in any of the last ten years. 1980 was no exception with a goal of 0.44 and our experience at 0.58. The chart on page 60 shows the performance by month in 1980 and indicates that the total Corporation's experience was always at a level above the goal. The manufacturing segment had only the month of June in which their performance was less than the goal.

DIRECT ACCIDENT COSTS AND ANALYSIS

In 1980, PPG experienced in excess of \$3,451,000 in direct costs associated with industrial injuries and illnesses. This represented an increase of

\$350,000 compared to 1979. (See the summary and charts on pages 30 and 31.)

It should be borne in mind that the direct accident costs quoted represent only those costs reported monthly relating to treatment. At the end of each year, a special reserve fund to cover open cases is adjusted. This year, a credit of \$153,000 was allowed reducing the projected needs. Excess insurance and administrative costs were \$1,376,000. The cost of claim handling and the cost of non-manufacturing claims was \$808,000. As a result, the total monies either spent or set aside in 1980 for injuries and illnesses was \$5,482,000.

In 1980, \$15 of sales had to be generated for each dollar net profit. On that basis, \$82,000,000 of sales were produced just to cover the direct costs of industrial injuries and illnesses. (Without any consideration for the indirect costs such as administration, training, dispensary, etc.)

ANALYSIS OF 1980 DISABLING INJURIES

Unfortunately, PPG experienced two fatalities in 1980. One employee was fatally burned when a hot liquid covered most of his body. The other employee died in an automobile accident on his way to the airport.

During the year, 170 PPG employees suffered disabling injuries which resulted in 5,121 days lost (see pages 33 and 34 for summaries). For the total Corporation, "Strains and Sprains" accounted for the largest segment, 24%. (Of these, more than three-fourths were back injuries.) "Falls" accounted for 21% and "Struck-By" injuries were 20%. All three categories were in the same proportions as last year.

The manufacturing segment of the business accounted for 72 of the 170 or 42%. This is down from 49% in 1979. The distribution of injuries in manufacturing was "Struck-By" - 21%. "Strain and Sprains" - 19% and "Caught-Between" - 17%. The first two categories closely paralleled the Corporation and 93% of the "Strains and Sprains" were back injuries.

SAFETY AWARDS

PPG Industries, Inc. Corporate Award Program

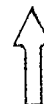
In 1980, several of the Corporation's locations achieved significant safety and health records. The PPG Award of Honor was presented to 32 reporting units, which completed the calendar year 1980 without a death or a disabling injury. Eleven of these units have achieved this distinction for two or more years. Of note were: the Barberton Technical Center's 18th consecutive year, the Ditzler Warehouse's eighth consecutive year, and the C&R Industrial Sales Unit's seventh consecutive year (see chart on page 51).

The PPG Award of Merit was presented to ten locations in 1980 for their performance in 1979. This award recognizes significant safety achievement for locations not eligible for the Award of Honor. In addition, eight locations have applied in 1981 for the Award of Merit for '80 performance in 1980.

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The PPG Award of Honor and Award of Merit are based on performance in a calendar year. In order to recognize on-going records, PPG, in 1977, initiated an additional program based on location population and the length of time without a death or a disabling injury. Those are in the order of increasing difficulty to achieve:

The President's Award
The Special Recognition Award
The Executive Award



DIFFICULTY

Congratulations are extended to Works #53, Lexington, NC, for operating 516 days through August 31, 1980, to receive the Corporate President's Award. Congratulations are also extended to Works #6, Carlisle, PA, for 466 accident-free days and Works #53 for 319 days without a disabling injury. Both plants received the special recognition award in 1980.

Six locations achieved the Executive Award for Safe Operation. No deaths or disabling injuries were experienced by Cleveland C&R, 504 days through March 5, 1980; C&R Research and Development, 504 days through October 30, 1980; Works #17, Harmarville, PA, 582 days through August 30, 1980; Works #26, Crestline, OH, 298 days through December 15, 1980; Corpus Christi, TX, R&D, 967 days through April 11, 1980, and Woodward Iodine for 1,074 accident-free days through July 25, 1980.

National Safety Council Award Program

The National Safety Council each year presents their Award of Honor, Merit, Commendation and a President's Citation to qualifying corporations and individual locations. During 1980, PPG Industries, Inc. received the National Safety Council's highest award, the Award of Honor, for our total corporate performance in 1979. This is the eighth time in sixteen years we have received the coveted award. Previously we received the award in 1978, 1976, 1975, 1974, 1972, 1965, 1964. In addition, 19 individual locations achieved National Safety Council recognition. (See page 53 for summary.)

Private Truck Council of America Award Program

This award program recognizes outstanding safety performance by private truck fleets on a calendar year basis. The top award - The Gold Seal - was presented to Works 27, Tipton, Pennsylvania in 1980, for their performance in 1979. Tipton operated 615,200 miles and a complete year without experiencing an accident of any kind. In addition, the Tipton fleet won a perfect record certificate in the National Safety Council Fleet Safety Contest.

Crestline won the Silver Seal in Private Truck Council's program for an outstanding five-year performance record. Red Seal Awards were won by the Fleets at Milwaukee, Wisconsin; Memphis, Tennessee; and Torrance, California for reductions in their Accident Frequency Rate greater than 50%. The Corporate Truck Fleet earned a Blue Seal for a 28% reduction in AFR even though their mileage increased (see page 54).

OSHA INSPECTION EXPERIENCE

During 1980, occupational safety and health compliance officers conducted 56 inspections at PPG locations (see charts on pages 55 and 56). We have been experiencing an average of 43 inspections per year since 1971. The 56 inspections equalled the 1979 experience and indicates a higher level of activity by OSHA that we have seen in the last several years. Of significance is the fact that 32 of these or 57% of the Corporation's inspection activity occurred in the C&S Department of the glass segment of the business.

The most often stated reason for inspection by OSHA was because we were a subcontractor on a construction site (39% in 1980). This is in line with our overall experience since 1971. Employee complaints as a reason for inspection were down to 13% of the experience while our historical rate was 20%.

The Corporation has incurred a total of \$47,019 in fines since 1971 with \$12,796 of that experienced in 1980. In comparison, in 1979, we received 56 inspections but only \$6,730 in fines which also was up over previous years.

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PART II - 1980 ACCOMPLISHMENTS

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CORPORATE SAFETY ACCOMPLISHMENTS

Program Development

The Resources Protection Manual containing the corporation's guidelines on Safety was reviewed and updated in more than twenty different areas.

Considerable effort was expended in working with the new Corporate Headquarters Building team to ensure the life safety of all occupants when completed.

Training

Implementation of the PPG Supervisors Safety and Health Training Program continued throughout the year principally at the local level. Additional printings of manuals were completed satisfying plant needs. In all, over 3,000 sets of materials were distributed. A short follow-up program was developed aimed at management just above the first line supervisor. This program is designed to ensure ongoing use of the skills and techniques developed in the SSHTP. Implementation of this follow-up will begin in 1981 and continue throughout the year.

Last year, we reported on the emerging issue of criminal liability for corporate management personnel. Experience in 1980 proved this to be true and resulted in our production of a special program on the issue in conjunction with the Law Department. Personnel from the Management Committee to the first line supervisor will be briefed in 1981 concerning the Company's posture and the nature of personal involvement.

Corporate Safety personnel participated in planning and presenting the C&R Division Safety and Health Conference.

A slide and tape program was developed by the Corporate Safety Department covering the safety aspects of pendant crane use. No program was available on the commercial market.

Corporate Safety personnel participated in two training sessions for newly appointed supervisors conducted by the Human Resources Development Group.

Evaluations

As noted on the visitation matrix on pages 57 and 58, Corporate and Divisional personnel made formal safety visits to most of the Corporation's manufacturing locations during 1980. Reports on those evaluations noted strengths and weaknesses to provide guidance for the continuing development of local safety programs.

Coordination

The Corporate Safety Staff chaired and continued its coordination with Divisional personnel through regular meetings of the Safety Advisory Staff. This staff works on the development of Company positions relating to all areas of safety. These positions are recommended to the Employee Health and Safety Subcommittee of the Environmental Affairs Committee. In addition, participation on the Production Subcommittee of the Environmental Affairs Committee was continued.

Communications

Communications to Safety personnel and other management throughout the Company regarding internal and external activities which affect PPG in the safety area was continued with monthly publications of the Occupational Injury/Illness Report, the OSHA Bulletin, periodic publishing of the Safety and Health News Report and distribution of information pertaining to new or revised safety equipment.

CORPORATE HEALTH ACCOMPLISHMENTS

Program Development

Development and update guidelines to measure the effectiveness of the management of Division occupational health programs were completed. Reviews were also completed of two divisions in 1980.

Training

The Corporate Health Staff provided, as part of professional development, a three-day technical workshop for PPG industrial hygiene and toxicology personnel. The technical presentations made during this workshop were presented by Division and Corporate Health personnel. Mr. William Harris, a member of PPG's Environmental Affairs Committee, gave the key note address. Technical input was provided for training programs for personnel in one division. Six division industrial hygienists were certified by the American Board of Industrial Hygiene as industrial hygienists in training. In addition, three toxicologists from the Chemicals Divisions were certified by the American Board of Toxicology as industrial toxicologists. This more than doubles the number of PPG industrial health professionals that were certified prior to 1980. The distribution is as follows:

<u>Division</u>	<u>Certified in Comprehensive Practice</u>	<u>Industrial Hygienists in Training</u>	<u>Certified in Toxicology</u>
Corporate	1	0	0
Chemical	0	4	3
Glass	2	1	0
Fiber Glass	0	1	0
C&R	<u>2</u>	<u>2</u>	<u>0</u>
Total	5	8	3

At the end of 1980, PPG had 24 industrial hygienists and toxicologists.

Regulatory Monitoring and Input

Coordination and development of corporate position in responses to federal regulatory standard including regulatory agencies such as the Occupational Safety and Health Administration and the Toxic Substance Control Act.

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Coordination

The Health Staff chaired the Health Advisory Staff meetings as part of the technical activities of the Employee Health and Safety Subcommittee of the Environmental Affairs Committee. During the year, six additional occupational exposure limits were recommended to and adopted by the Employee Health and Safety Subcommittee for distribution to the divisions for implementation as corporatewide employee exposure limits. A proposed operating procedure for making determinations of possible reproductive effects was completed by the Health Advisory Staff and forwarded to the Employee Health and Safety Subcommittee and subsequently to the Environmental Affairs Committee for action. In addition, the staff participated as part of the Technical Subcommittee and the Product Safety and Liability Subcommittee of the Environmental Affairs Committee.

Consultation was provided to plant health programs in cooperation with division and plant management and provided consultation to division and plant management as well as the Law Department on OSHA citations. Also provided consultation on toxicity testing and pre-manufacturing notifications to division staff.

CORPORATE FIRE PROTECTION ACCOMPLISHMENTS

Loss Analysis Evaluations

Twenty-nine loss prevention visits were conducted at seventeen facilities. Approximately 90% of these visits were made in response to Plant, Division and Corporate Staff requests, or IRI inquiries. The development of mutually acceptable fire protection alternatives reduced PPG's potential capital expenditures by \$452,000.

Training

Two PPG Industrial Fire Schools, hosted by the Flat Glass Division's Ford City plant, were conducted at Armstrong County Fire Training Grounds for 77 students from 28 facilities. These schools provide "hands-on" fire suppression training which result in PPG's maintaining a high level of manual emergency response capabilities.

A Fire Protection Laboratory class for PPG personnel was co-sponsored with PPG's Property Insurance Carrier. The class, held in Hartford, afforded members of PPG's Property Protection Team from across the corporation, an opportunity to jointly learn the design, selection, and maintenance principles of fire protection equipment applicable to their individual locations.

The Traveling Fire School was presented at the Fiber Glass Division's Research facility and at the Flat Glass Division's Meadville plant for approximately 300 employees and members of their Fire Brigades. This program provides fire suppression training tailored to the local facility's specialized needs and "fine tunes" the emergency response capabilities of the facility.

Loss prevention article requests from the quarterly publication - Article Abstracts; were distributed to 18 facilities. These materials from the Fire Protection Community, provide PPG's Property Protection Team with up-to-date analysis, of Fire Protection problems at individual facilities.

Loss Prevention Programs

A loss analysis briefing was co-sponsored with the Insurance Department for the Coatings & Resins Division. The program reviewed, for Division Operating Management, application of Fire-Protection/Loss-Control principles applicable to the Division; and in addition, reviewed loss experiences throughout the world and at PPG. Questions raised by participants indicated the need for a continuing dialogue.

A review of outstanding Industrial Risk Insurers (IRI) recommendations was held with the IRI Account Engineer and each Division's personnel with accountability for handling IRI recommendations. Through these annual reviews, outstanding recommendations are clarified and alternate proposals are negotiated.

Program Development

The Fire Protection profile and self-evaluation criteria were developed to quantitatively evaluate an on-going program. These evaluations classify criteria into various levels of program sophistication and provides the facility with specific goals by which their Fire Protection program can develop.

These Fire Protection programs - Loss Analysis Evaluations, Training, Loss Prevention Programs, Program Developments - help to insure continuation of PPG's favorable loss record, which resulted in a 10% property insurance rate reduction, or a reduced cost in excess of \$1,000,000 over the next three years.

CORPORATE SECURITY ACCOMPLISHMENTS

Program Development

Considerable planning, development, and approval of recommendations involving security and other matters in connection with the new Headquarters Building Complex was accomplished. Plans and specifications involving security and communications for the new General Offices were reviewed and finalized.

The "Precious Metals Task Force" concluded its study of security considerations and shipping modes. Recommendations made to management were implemented.

Incorporation of the Glass and Fiber Glass Divisions into the existing emergency General Office and Pittsburgh Poison Center Communication channels with the Corporate Emergency Response Center was accomplished.

Recommendations involving security programs and special communications for the Creighton Melting and Forming Lab, the Cumberland 7-1 Project, Midland Plant, Mt. Zion Plant and Corporate Truck operations were made. Assistance

was provided to C&S for the development of a tool theft program. Requests for reviews of programs for "Security of Sensitive Financial Information" "Divisional Engineering Policies and Procedures" were also satisfied and contributions made to the current Corporate Computer Center Security Program. Numerous other requests from field units were satisfied concerning advice and counsel on access control, intrusion alarms, industrial radios and CCTV equipment.

Emergency information was provided upon request to the Federal Aviation Administration. Coordination with American Telephone and Telegraph and Corporate Telecommunications resulted in restoration of service plans in the event of a major catastrophe.

Training

Security seminars were provided for C&R Distribution Managers, Corporate Truck Managers and Terminal Supervisors. Security training was given to a group of G.O. managers and supervisors and a bomb and arson training program was presented at the two Corporate Fire Schools. An Emergency Response Center presentation was given to the Fiber Glass Policy Committee and participated in a silver seminar at the request of the Supply Department. Assistance was also provided to the Corporate Human Resources Development Group and the Fiber Glass Division for a security personnel training program.

Special Assignments and Field Evaluations

At management's request, a considerable number of investigations were conducted involving industrial sabotage, conflicts of interest, misappropriation of Company property, major thefts, union allegations of electronic "bugging," liability claim, bomb threats and a European study. A number of security reviews involving manufacturing, research and a corporate trucking depot were also accomplished.

Coordination

Counsel and assistance was provided to Division and Staff group security efforts. Cooperation and assistance was extended on a continuing basis to federal/local law enforcement agencies and the private security sector upon request.

Reporting

Management was kept informed of matters affecting Corporate and field security. Management requests for intelligence on political and terrorists activities is provided on a regular basis. A foreign travel advisory is now being provided to top management.

CORPORATE FLEET SAFETY ACCOMPLISHMENTS

Program Development

At the beginning of the year, all company truck fleets were encouraged to enter the National Safety Council's National Fleet Safety Contest. During

1980, 17 additional fleets were entered. This Contest is conducted each year to (1) serve as an accident prevention tool by creating a sense of competition among motor fleets to improve their safety records and (2) to serve as a medium for collecting motor vehicle fleet accident statistics which can be used as a guide in accident prevention programming.

Of the 24 fleets now participating, 8 completed the year without an accident of any kind. Of the seven fleets participating in 1979, 6 showed improvement in their Accident Frequency Rates for 1980. The one showing the greatest improvement was the Memphis, Tennessee, C&S Branch. Although their mileage increased by 8%, their Accident Frequency Record (AFR) decreased from 6.76 in 1979 to zero in 1980. The Corporate Truck Fleet AFR also declined, for the second straight year, from 2.51 to 2.15. This was accomplished despite an increase of about 1,230,000 miles.

Assistance was provided for the implementation of the Corporate Fleet Safety Program throughout the Trade Paint and Forbes Finish Sales Groups of the C&R Division.

Two new Fleet Safety subjects were developed and added to the Resources Protection Manual with the assistance of the Law Department and the C&R Division. License suspension and/or revocation along with investigative procedures are now covered. These will assist management in the early detection of employees who drive Company vehicles and who have poor driving records or whose accident potential has increased due to unsafe driving habits.

Training

The National Safety Council's Defensive Driving Course was presented to the manager and sales people at the Chemical Group Sales Offices in Boston, Massachusetts; Cincinnati, Ohio, and St. Louis, Missouri. Presentation of the same course by The Hartford Insurance Group instructors was also arranged for the Chemical Group Sales Offices in Houston, Texas; Los Angeles and San Francisco, California. The course was presented at the request of those offices to train new employees and retrain older ones in accident avoidance techniques.

A refresher course in air brake systems was also conducted for the truck drivers and wareroom personnel at Works #8, Meadville, Pennsylvania.

Evaluations

Fleet Safety Surveys and OSHA/DOT compliance Reviews were performed at 23 locations to assist management in improving their Fleet Safety Program and, if applicable, maintaining compliance with the Federal Motor Carrier Safety Regulations.

An in-depth Fleet Safety Evaluation was conducted at the Dallas, Texas C&S Branch to assist management (1) in assessing the strengths and weaknesses of their existing Fleet Safety Program, (2) in recommending measures aimed at controlling injuries and losses resulting from motor vehicle accidents, and (3) in providing the forms and records required by law.

All motor vehicle accidents involving Company-owned or leased vehicles operated by the Glass Group, Chemical-U.S., and Coatings and Resins Divisions, were reviewed by the Accident Review Boards in those groups/divisions and classified as to Preventability. The purpose of this review is to assist employees in learning the principles of Defensive Driving and to alert management to any problem drivers so that appropriate corrective action can be taken before an employee is involved in a serious accident.

Reporting

Motor Vehicle Accident Summaries and Loss Analyses covering the last half of 1979 and the first half of 1980 were prepared and distributed to Trade Paint Sales, C&R Division; Contract and Supply Department, Flat Glass Division; and Chemical Sales, Chemical Division-U.S. Where the analyses showed upward trends for unusually large losses, recommendations for reducing those losses were also included.

GLASS ACCOMPLISHMENTS

Safety

The SSHTP program was implemented in all Glass plants. Five plants have completed the program and the remainder of the plants are 75% complete.

Trained Safety professionals from the Glass plants were utilized as Safety inspectors for 20 C&S construction site inspections in 1980. The program will continue in 1981. Visits were made to 15 other C&S locations.

Several Safety Director transfers were made during the year. All Glass plants are staffed with a trained Safety Director.

Marsh & McLennan Company replaced Fireman's Fund as our Worker's Compensation carrier in the field units.

A statistical Safety report was developed which provides safety statistics to Glass management within five working days.

Monthly safety topics were developed and distributed to all Glass units.

Several basic accident prevention workshops were conducted for first line supervisors in the C&S Department.

Five locations were audited in conjunction with Corporate Safety. Safety follow-up visits were made to five additional locations.

Health

A formal physical exam program for primary plant employees potentially exposed to silica has been initiated. The program will utilize the mobile van testing concept. A trial run of the program was conducted at Works 6, Carlisle, with good success. Works 7, Cumberland, employees have also been provided physical exams. Plans are to extend the program to remaining primary glass plants throughout 1981 and continue on a routine basis.

Environmental Health Awareness seminars were conducted for approximately 200 employees at the Glass Research Center. The five hour seminar stressed the importance of research employees not only in the environmental programs at the Center, but in the overall environmental effort throughout Glass. Subjects covered included Environmental Health Personnel, Industrial Hygiene and its meaning, RCRA, TSCA and OSHA and their effect on Glass Research activities.

During the first half of 1980, the industrial hygiene laboratory was relocated from RIDC to the Glass Research Center. With the move, our analytical capability increased with the addition of a gas chromatograph. The lab is now capable of analyzing organic vapor samples from all of our plants on a routine basis.

Based on past experience and a recent noise survey, it was decided to work with an acoustical consultant to reduce the noise at a tempering facility. The methodology and suggestions obtained will apply to similar noise areas throughout Glass.

CHEMICAL ACCOMPLISHMENTS

Safety

Program Development

A one-day meeting was held by I. C. Klimas with the Works Managers, in which the entire meeting was spent discussing safety. The thrust of the meeting centered around the Safe Work Permits in use at the plants and how rigidly these procedures are being enforced.

At the request of Mr. W. Morton, Safety and Loss Prevention Department of DuPont, a meeting was arranged with Operations, Environmental, Safety, Engineering and Business Group personnel to discuss the safe handling of liquid chlorine. As part of the visit, the DuPont personnel visited the chlorine barge loading dock at the Natrium Plant.

Training

The Natrium and La Porte Plants presented the Corporate Supervisors' Safety and Health Training Program to all first line supervisors during the year 1980.

The Sixth Annual PPG Chemicals Divisions Fire School was held at the Texas A&M Fire Training Grounds with 55 participants from the following locations:

Barberton	Chicago R&D
Beaumont	Beauharnois
Lake Charles	Montreal Distribution Center
La Porte	Houston C&R
Woodward	East Point C&R

During 1980, the Chemicals Divisions continued its policy of hiring people with the proper safety training and background for plant safety departments

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and filled vacancies in the plants with three employees with MS degrees in Safety and Industrial Hygiene; one employee with an MS degree in a non-safety-related area but with experience in the safety field; one employee with an MBA, with previous safety experience; and, one employee with a BS in Safety Management.

OSHA Experience

On August 13, 1980, two OSHA compliance officers and an industrial hygienist attempted to make an inspection at the Lake Charles Works as a result of an employee complaint. Since the alleged violations encompassed all three plants and were very broad in nature, Chemical management decided that a warrant should be obtained. On October 10, 1980, a Federal Marshall served the Lake Charles Works with an order to appear before a Federal Judge to show cause why OSHA should not be allowed to enter the plant to conduct an inspection. PPG met with OSHA and agreed to allow the OSHA inspection to proceed with the stipulation on the number of days to conduct the inspection; the inspection would be limited to the items listed on the complaint only, the time of day and the number of sampling devices used during the inspection. The inspection was conducted by a compliance officer that was very aggressive and did not want to stay within the confines of the consent agreement. There were no citations issued as a result of the sampling since there were no samples above the OSHA standards.

Health

The FSE granted a former Caribe employee a lump sum disability award of 5% or \$1,000 for alleged mercury intoxication while employed at the Caribe Plant. The law firm in Puerto Rico retained by PPG wrote a memo to the FSE alleging that PPG had no indication that the employee had any symptoms of mercury poisoning while employed at the Caribe Plant or when he was terminated from the Caribe Plant. The FSE did not reply to or letter and we have heard nothing further on this case or any other alleged mercury intoxication claims.

In February, an employee at the Woodward Iodine Plant was diagnosed by his personal physician as having symptoms of hyperthyroidism by his personal physician and was removed from the work area. The employee subsequently filed for Worker's Compensation which was contested by PPG and litigated by Firemen's Fund Insurance with consultation from our Law Department. A full and final settlement was negotiated by the employee's attorney amounting to \$282 disability and \$356 for medical expenses for a total of \$638.

As a result of animal studies indicating that high levels of antimony oxide may cause cancer in the tissue of the lungs, the Chemicals Divisions prepared a letter that was sent to all employees notifying them of this potential hazard.

The Beaumont Plant experienced two lead intoxication illnesses when two employees working in an excavation repairing the fire loop were hospitalized for lead intoxication. It is assumed that the lead intoxication was the result of the inhalation of organic lead vapors and by absorption through the skin. Both employees were hospitalized and treated and appear to be recovering without any permanent effects on their health.

Fire Protection

An investigation was conducted with assistance from Central Engineering of an incident in the Caribe Terminal in which an oil immersion disconnect switch blew up when it was energized under load. The cause of the explosion appears to have been a ground fault in the "B" phase of the primary side of the transformer. Four contractor employees were burned, two of which died. Both OSHA and PROSHA conducted investigations and the Contractor DeMaco was cited for alleged OSHA violations; however, PPG was not cited for any violations.

The Lake Charles Plant experienced a Dowtherm false fire in the OHC Unit in which several employees received burns; however, the loss due to property damage was small and there was no business interruption.

The Natrium Plant purchased a new fire truck.

The Beaumont Plant experienced a small fire and spill of motor fluid when an explosion occurred in a blender pump. There was no major damage except to the pump. There were no injuries, and the motor fluid spill was contained to the pad for the most part and did not enter the sewer.

Awards

In addition to the U.S. awards listed on pages 51-54, three STANCHEM Distribution Centers completed calendar year 1980 without a disabling injury, a STANCHEM Certificate of Honor similar to the Corporate Certificate of Honor will be awarded to the three locations. The Eastern District will receive a certificate that is printed in French.

COATINGS AND RESINS DIVISION ACCOMPLISHMENTS

Safety

Implementation of the Back School Training Program in C&R Manufacturing facilities continued during 1980. Back injury experience during the first half of 1980 showed a notable decrease in total back injuries (approximately 50%). During this period, there were no away-from-work disabling injuries (in Manufacturing facilities) due to improper lifting techniques.

A series of favorable public relations releases resulted from the Back School Training Program. A training film with numerous scenes taken in the East Point Plant was produced by the Atlanta Back Clinic. A two-page feature was published in the PPG NEWS, and news releases were noted in several other publications. An ABC news feature was seen throughout many parts of the U.S.

A Resin Safety Committee was formed to examine training procedures, operator qualifications, resin logs, equipment design, and safety attitudes. Positive steps are being taken in each of these areas to improve the level of safety in resin operations.

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The C&R Division Safety Conference was held during June in Cleveland. Participants from U.S., French, Mexican, and Canadian operations were in attendance. A highlight of the conference was a series of updates relative to emerging issues affecting the safety professional.

A format for a Divisional accident analysis/safety performance review was introduced for the first time. The report focuses on Division safety statistics, accident costs, and action plans to reverse any increasing trends which may be noted.

The Paint Center Safety and Environmental Affairs Manual was distributed during the first quarter of 1980. In conjunction with the issuance of this manual, the Corporate Fleet Safety Program was implemented at these facilities. A slide program designed to this manual was also distributed.

Thirty paint center locations, eight distribution centers, and eight Ditzler warehouses were inspected by plant safety personnel. Recommendations generated by these inspections were forwarded to appropriate members of management for corrective action.

Divisional training to meet future personnel needs continued with the addition of a Safety Engineer during January. Another Safety Engineer, previously located at the Delaware Plant, was promoted to Supervisor, Safety and Security, R&D facilities.

Health

The Coatings and Resins Division comprehensive Industrial Hygiene Survey Program continued covering a total of nine facilities. This program has been in operation for approximately eight years and serves as a starting point for review of all occupational health activities and review of needed facility improvements. Each of these survey efforts will be followed up by a review with plant management including medical staff, safety staff and representatives of the Industrial Hygiene Department.

Safety and Health Index System

A Divisional "Safety and Health Index System" (SHIS) was published in the December 1980 American Industrial Hygiene Association Journal. The system has been adapted by both American and Canadian Paint and Coatings Associations and is under consideration by several governmental bodies in the U.S. and Canada. The system has been successfully installed in European operations as well. SHIS provides a means of effectively communicating hazards to employees in a multi-chemical environment where chemical nomenclature or code numbers alone would prove meaningless. The system was objectively evaluated by a training consultant and found to be effective in communicating hazard warning.

Descriptive binders of the Safety and Health Index System were distributed to all locations. The program has been received as one of the more significant contributions to safe hazardous materials handling.

Industrial Hygiene Laboratory

The Industrial Hygiene Laboratory received full accreditation by the American Industrial Hygiene Association. The laboratory successfully completed

analysis of some 2,300 industrial hygiene samples representing 21,000 individual materials. Special sampling projects were conducted to determine Division status with respect to five specific compounds of interest. More than 85% of all employees have been sampled. All job descriptions have been sampled one or more times.

A Divisional Industrial Hygiene Manual was revised and redistributed to all plant industrial hygiene coordinators. Through this manual, uniformity of sampling technique and transmittal of information to the industrial hygiene laboratory has been achieved.

Occupational Safety and Health Administration (OSHA)

Division staff personnel accompanied two comprehensive OSHA industrial hygiene surveys of facilities at Delaware and Circleville. No citations were issued.

The Industrial Hygiene Department continued to administer Divisional OSHA compliance programs for lead and acrylonitrile. Extensive qualitative, quantitative respirator fit testing programs were conducted at affected plants.

Personnel

Two additional staff members were added to the industrial hygiene staff. One professional industrial hygienist was added and a chemist with expertise in GC/Mass Spectroscopy. One industrial hygienist was certified by the American Board of Industrial Hygiene "In Training."

PPG/NPCN In-Plant Incident Report Program

An innovative pilot program was instituted at four C&R Division plants for medical consultation, reporting and recordkeeping of in-plant exposures through the National Poison Center Network. The Poison Center was provided with identities of the Division's coded raw materials and has provided expert medical assistance in some 44 incidents. This program has generated considerable interest among the industrial community and has received considerable publicity in the trade and general press.

Epidemiologic Research

Epidemiologic analysis of mortality statistics for five C&R Division plants were analyzed by Stanford Research Institute. There was no excess of mortality identified. Full data tables and records were acquired so that further studies may be conducted.

FIBER GLASS DIVISION ACCOMPLISHMENTS

Safety

The Division recorded a total of 6,430,714 hours of exposure with only four Away-From-Work Cases. Contributing to this record was the Lexington Plant earning two awards including the Corporation's top award - The President's

Award (see page 6). Their record continues with more than six million safe man hours.

The Lexington Plant also earned the North Carolina Department of Labor Outstanding Safety Achievement Award for the tenth consecutive year. The Shelby Plant earned the North Carolina State Safety Award for the seventh consecutive year.

The NSC Incidence Rate goal of 0.11 was almost attained by ending the year with an Incidence Rate of 0.12. The Incidence Rate Average for the past three years (1977-1979) is 0.21.

The Supervisors Safety and Health Training Program (SSHTP) has been initiated this year by the Shelby, Lexington, and Research Center facilities. Over two thousand hours of safety and health training have been provided for management personnel in the Division. The Shelby Plant, in addition, has trained 102 employees as safety monitors and 20 management employees have been provided special training in OSHA compliance. The Lexington Plant has provided training for employees who have been selected as group leaders on safety, security, and industrial hygiene activities.

The Emergency Medical Technician (EMT) Certification Program which strengthens our in-plant capability to stabilize an injured employee prior to transport to the hospital has been actively pursued. The Research Center had four employees to be certified as EMT-1 by the State of Pennsylvania following graduation from the Westmoreland Country Community College. These employees committed 90 hours of their personal time in the training situation plus many hours of study time required to successfully complete the certification examination. The certification is valid for three years from the test date. This training will benefit PPG by developing a good safety awareness attitude for on-the-job activities. This training can also be carried into the home to develop good safety attitudes in the members of their families.

Sixty-two (62) Research Center employees participated in giving blood during their annual Blood Donor Day. The Research Center provides on-site facilities for the Central Blood Bank of Allegheny County.

Basic First Aid and Cardiopulmonary Resuscitation (CPR) certification training was provided for 20 employees at the Research Center. The CPR training was given to 24 members of the fire brigade at the Shelby Plant. The Lexington Plant provided all the Maintenance Department personnel with CPR training.

Health

A major emphasis in the Fiber Glass Division's Occupational Health Program in 1980 was on comprehensive departmental surveys. This approach was undertaken to provide employees and management with a more complete picture of the work environment. These surveys were done in addition to the common reaction type of survey done to solve problems arising from new raw materials, new processes, new toxicological information, etc.

The Fabrication Departments of both the Division's production facilities were comprehensively surveyed. Raw material flow was noted and its interface

with each occupation studied. The most common agents sampled were airborne fiber glass and noise. The alloy shops of each plant were also the subject of complete surveys. Worker exposures to welding and soldering fumes and several solvents were evaluated. In both departments, recommendations for improved work practices and engineering controls were made where appropriate.

In a separate effort, all Division welding areas were reviewed. Based on the types of metal welded, the adequacy of existing ventilation was evaluated. Engineering control improvements were recommended as necessary.

The Departmental survey approach will continue until all major departments have been studied. The usefulness of this approach becomes apparent when conditions previously judged to be acceptable are found otherwise. Hopefully, much of the data generated from these surveys will provide a basis for positive employee feedback, an important function of an occupational health program.

Medical

New audiometers (Maico 26) have been purchased and all the nurses have been recertified to give audiograms and to fit personal hearing protection at Shelby and Lexington. The Shelby facility in cooperation with the County Health Department provided 300 employees with a voluntary checkup for tuberculosis. The nurses at the Shelby Plant received special training by clinicians in Emergency Eye Care, sprains, strains, and fractures. A new clinic with Board Certified Dermatologists has been retained for the Shelby Plant.

Fire Protection

The Annual Industrial Risk Insurers (IRI) review was conducted in February with each location presenting their location's program to comply with the recommendations made by the local IRI personnel. Color slides were used by each facility to show the causal and the corrective measures applied to the IRI recommendations. The Research Center and Shelby had no outstanding recommendations at the end of the year. The Lexington facility has corrected all the deficiencies associated with the 509 expansion, and are conducting a feasibility study on the upgrading of the entire plant fire alarm system.

All employees at the Shelby, Lexington, and Research Center facilities were given training in the use of fire extinguishers with live demonstrations or hands-on follow-up. The Division sent six fire brigade members to the Corporate Fire School in Armstrong County, Pennsylvania.

Security

A Special Security Training Program was provided for all of the Shelby Plant supervision to develop security awareness in the industrial environment. A drug awareness program was sponsored by the Lexington Plant and presented by the Criminal Justice Department, Davidson County Community College to 147 management personnel.

A security review was conducted at the Shelby and Lexington Plants in March, 1980.

A security and smoke alarm system was installed at the Lexington PEC building for the protection of the microfilm storage. New CCTV equipment was installed to cover the front gate and employee parking area with employee vehicle registration at the Lexington Plant. The Research Center has installed intrusion detection on all exterior windows on the ground floor of all buildings.

The first group to interface with an employee or visitor is security. Training was continued through 1980 with some degree of intensity. The emphasis was to improve the skills of security personnel in providing courteous but effective service. In addition, security and access control procedures have been developed for the Division's Electronic Data Processing Center.

SL 103161

PART III - STATISTICAL REVIEW WITH CHARTS

SL 103162

DEFINITION OF TERMS

1. AW, Away-From-Work Case - Is any injury or occupational disease 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. AWDL, Away-From-Work Days Lost - Is 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 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 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 - Are cases of occupational injury or illness which do not involve fatalities 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 disease 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 injury or occupational disease 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 injury or occupational disease which renders an employee unable to perform all duties of his regularly scheduled job or 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 disabling injuries experienced per 100 full time employees working a full year (2,000 manhours each).

$$(AW) \text{ Incidence Rate} = \frac{\text{Total Number of Disabling Injuries} \times 200,000}{\text{Manhours Worked}}$$

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

This rate reflects the number of days lost due to injuries requiring time away from work per 100 full time employees working a full year (2,000 manhours each).

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

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).

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

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

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

$$(NF) \text{ Incidence Rate} = \frac{\text{Total Number of Nonfatal Without Lost Workday Cases} \times 200,000}{\text{Manhours Worked}}$$

5. (NSC) NATIONAL SAFETY COUNCIL INCIDENCE RATE

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

$$(NSC) \text{ Incidence Rate} = \frac{\text{Total Number of Disabling Injuries} + \text{Plus Fatalities} \times 200,000}{\text{Manhours Worked}}$$

SL 103164

6. (RC) RECORDABLE CASE INCIDENCE RATE

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

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

7. (TDL) TOTAL DAYS LOST INCIDENCE RATE

This rate reflects the total days lost from regularly scheduled jobs due to 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).

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

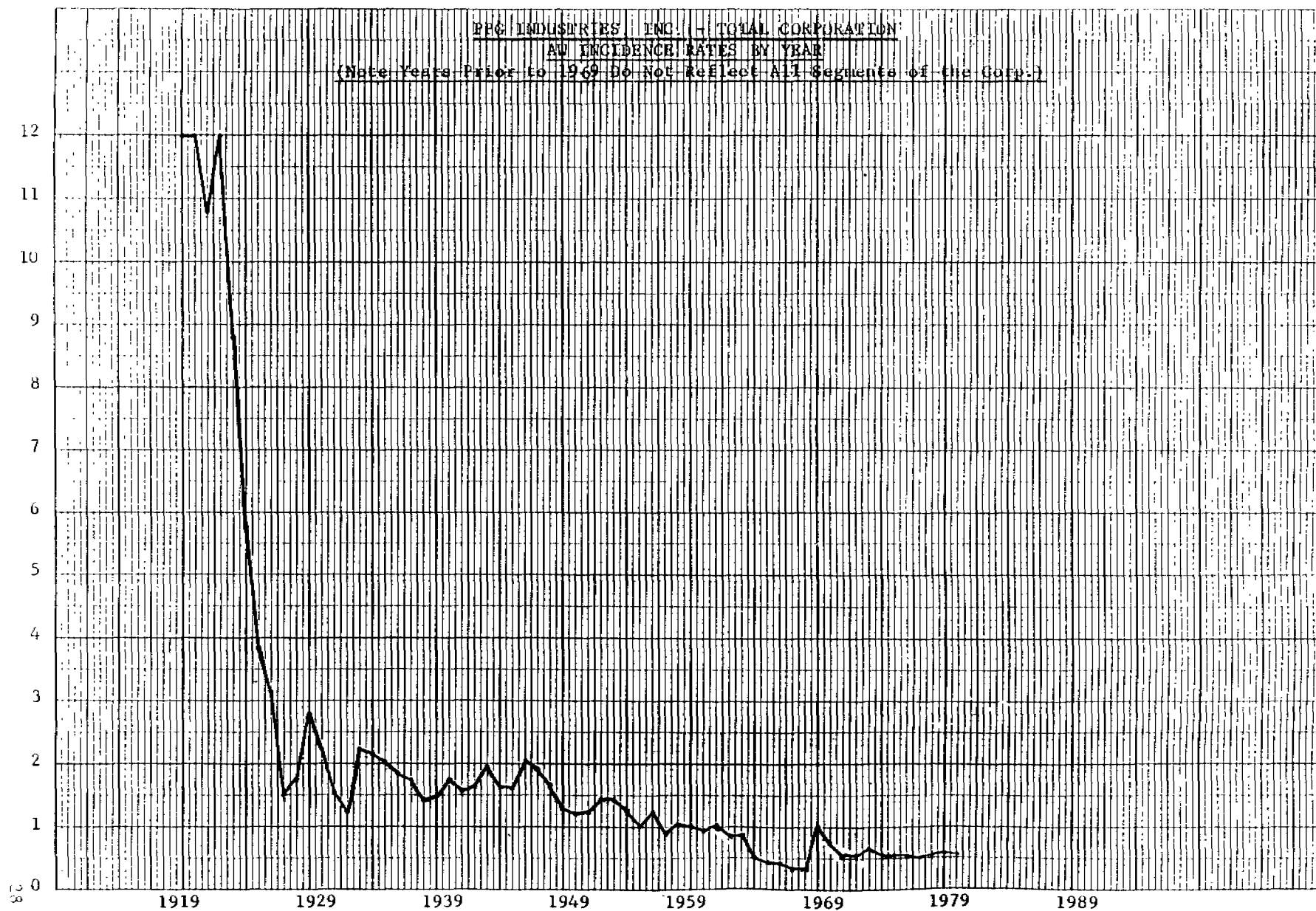
8. TRUCK ACCIDENT FREQUENCY RATE

This rate reflects the number of truck accidents per 1,000,000 miles driven.

$$\text{Truck Accident Frequency Rate} = \frac{\text{Number of Truck Accidents} \times 1,000,000}{\text{Total Truck Mileage}}$$

SL 103165

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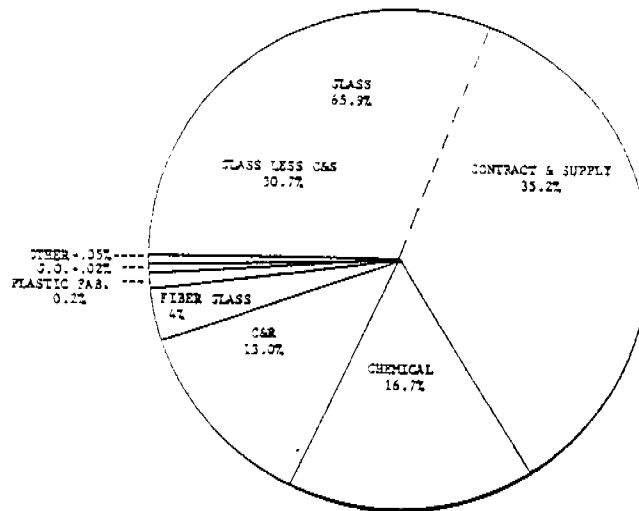
<u>YEAR</u>	<u>AW RATE</u>
1919	12.00
1920	12.00
1921	10.80
1922	12.00
1923	8.80
1924	5.84
1925	3.70
1926	3.14
1927	1.52
1928	1.78
1929	2.80
1930	2.22
1931	1.52
1932	1.24
1933	2.20
1934	2.18
1935	2.04
1936	1.84
1937	1.74
1938	1.42
1939	1.50
1940	1.76
1941	1.60
1942	1.66
1943	1.96
1944	1.66
1945	1.62
1946	2.06
1947	1.90
1948	1.68
1949	1.30

<u>YEAR</u>	<u>AW RATE</u>
1950	1.22
1951	1.24
1952	1.24
1953	1.44
1954	1.28
1955	1.02
1956	1.28
1957	0.90
1958	1.04
1959	1.00
1960	0.96
1961	1.02
1962	0.88
1963	0.88
1964	0.52
1965	0.46
1966	0.44
1967	0.36
1968	0.36
1969	1.00
1970	0.76
1971	0.64
1972	0.54
1973	0.68
1974	0.56
1975	0.59
1976	0.54
1977	0.51
1978	0.53
1979	0.59
1980	0.57

SL 103167

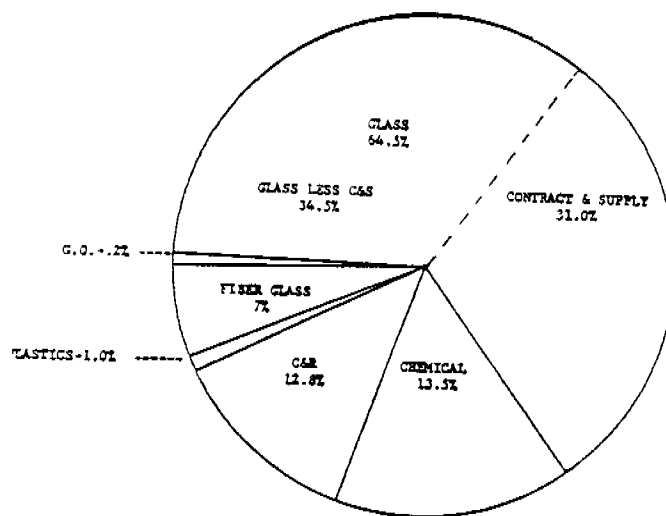
1980

(\$3,451,000)



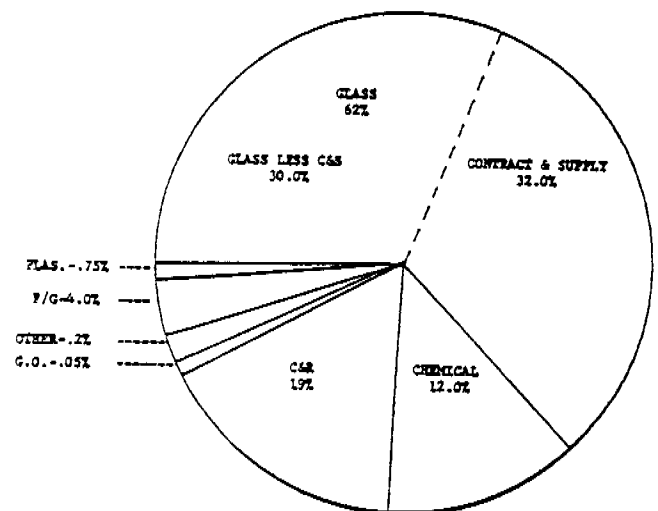
1979

(\$3,113,054)



1978

(\$2,210,171)



SL 103168

DIRECT ACCIDENT COSTS
(in thousands)

U.S. OPERATIONS

Group/Division	<u>1978</u>	<u>1979</u>	<u>1980</u>
Glass less C&S	668	1,073	1,060
Glass C&S Department	712	962	1,214
Chemical	276	421	577
Coatings and Resins	434	407	449
Fiber Glass	91	206	140
Plastics Fabricating	17	38	8
General Office	1	6	1
Other*	<u>11</u>	<u>0</u>	<u>2</u>
 TOTAL	 2,210	 3,113	 3,451

*Misc. closed PPG facilities

SL 103169

1980 DISABLING INJURIES
CAUSE AND CLASSIFICATION SUMMARIES

SL 103170

PPG INDUSTRIES, INC.

1980

NSC CASES

TOTAL CORPORATION

Cause and Classification

	<u>Number of Cases</u>	<u>% of Total</u>
<u>STRUCK BY</u>	35	20
Objects	26	
Glass	9	
<u>STRUCK AGAINST</u>	13	11
Objects	14	
Glass	4	
<u>FALLS</u>	35	21
Different Level	25	
Same Level	10	
<u>STRAINS & SPRAINS</u>	41	24
Back	33	
Ankle	2	
Hand	0	
Shoulder	1	
Knee	2	
Neck	0	
Other	3	
<u>BURNS</u>	6	4
Thermal	2	
Chemical	4	
Electrical	0	
<u>CAUGHT BETWEEN</u>	19	11
<u>GAS INHALATION</u>	1	1
<u>VEHICLE INJURIES</u>	6	3
<u>O.D. CASES</u>	0	0
<u>HERNIA</u>	2	1
<u>OTHER</u>	5	3
<u>FATALITY</u>	2	1
	170	100%

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PPG INDUSTRIES, INC.

1980

NSC CASES

MANUFACTURING

Cause and Classification

	<u>Number of Cases</u>	<u>% of Total</u>
<u>STRUCK BY</u>	15	21
Objects	11	
Glass	4	
<u>STRUCK AGAINST</u>	7	10
Objects	6	
Glass	1	
<u>FALLS</u>	11	15
Different Level	6	
Same Level	5	
<u>STRAINS & SPRAINS</u>	14	19
Back	13	
Ankle	0	
Hand	0	
Shoulder	0	
Knee	1	
Neck	0	
Other	0	
<u>BURNS</u>	5	7
Thermal	1	
Chemical	4	
Electrical	0	
<u>CAUGHT BETWEEN</u>	12	17
<u>GAS INHALATION</u>	1	1
<u>VEHICLE INJURIES</u>	2	3
<u>O.D. CASES</u>	0	0
<u>HERNIA</u>	2	3
<u>OTHER</u>	2	3
<u>FATALITY</u>	<u>1</u>	<u>1</u>
	72	100%

SL 103172

AW (DISABLING INJURIES) EXPERIENCE CHARTS BY DIVISION

The following charts reflect the disabling injury (AW's) experience and AW days lost for the Corporation and for each division.

In 1977, the National Safety Council discontinued the old ANSI frequency and severity method of recordkeeping. PPG did also. Since the new method of OSHA incidence rate recordkeeping does not exactly correspond to the old method, only the available OSHA results from previous years are shown.

In addition, the following notations should be considered when interpreting the charts:

1. AWDL (away-from-work-days lost) rates are not available for the years 1975 and 1976.
2. NSC rates referred to in the text include deaths and may be slightly greater than the AW rates charted.
3. The Glass and Chemicals Groups were divided into two divisions each in 1977, and the Group designation carried through calendar year 1980.

SL 103173

	1980	1979	1978	1977	1976	1975
Total Corporation						
AW Rate	0.58	0.59	0.53	0.51	0.54	0.58
AWDL Rate	17.5	19.2	17.1	15.6		
Corp. Manufacturing						
AW Rate	0.36	0.40	0.42	0.39	0.40	0.50
AWDL Rate	18.7	17.5	17.0	14.8		
Glass Group Total						
AW Rate	0.88	0.85	0.68	0.68	0.84	0.80
AWDL Rate	21.3	29.0	18.2	22.3		
Flat Glass						
AW Rate	0.29	0.47	0.52	0.39		
AWDL Rate	13.9	23.3	14.1	16.74		
A/A Glass						
AW Rate	0.32	0.35	0.28	0.41		
AWDL Rate	18.2	15.3	18.7	6.5		
C&S Department						
AW Rate	2.91	2.60	1.75	1.74	1.91	1.52
AWDL Rate	42.8	67.3	29.7	42.5		
Chemicals Group Total						
AW Rate	0.50	0.42	0.32	0.39	0.27	0.57
AWDL Rate	31.9	16.3	14.3	15.3		
Chemicals U.S.						
AW Rate	0.49	0.36	0.23	0.31		
AWDL Rate	34.4	11.6	12.7	14.9		
Chemicals International						
AW Rate	0.57	0.95	0.79	1.40		
AWDL Rate	21.2	60.3	22.9	19.6		
Chemicals SPU						
AW Rate	0.48	3.82				
AWDL Rate	1.4	27.5				
C&R Division						
AW Rate	0.48	0.66	0.81	0.54	0.54	0.46
AWDL Rate	7.2	15.2	28.5	11.3		
Fiber Glass Division						
AW Rate	0.12	0.13	0.21	0.28	0.10	0.20
AWDL Rate	7.8	6.4	12.8	6.7		
Plastics Fab. Division						
AW Rate	0.75	0.38	0.74	0.23	0.74	0.34
AWDL Rate	28.6	61.0	14.8	4.5		

SL 103174

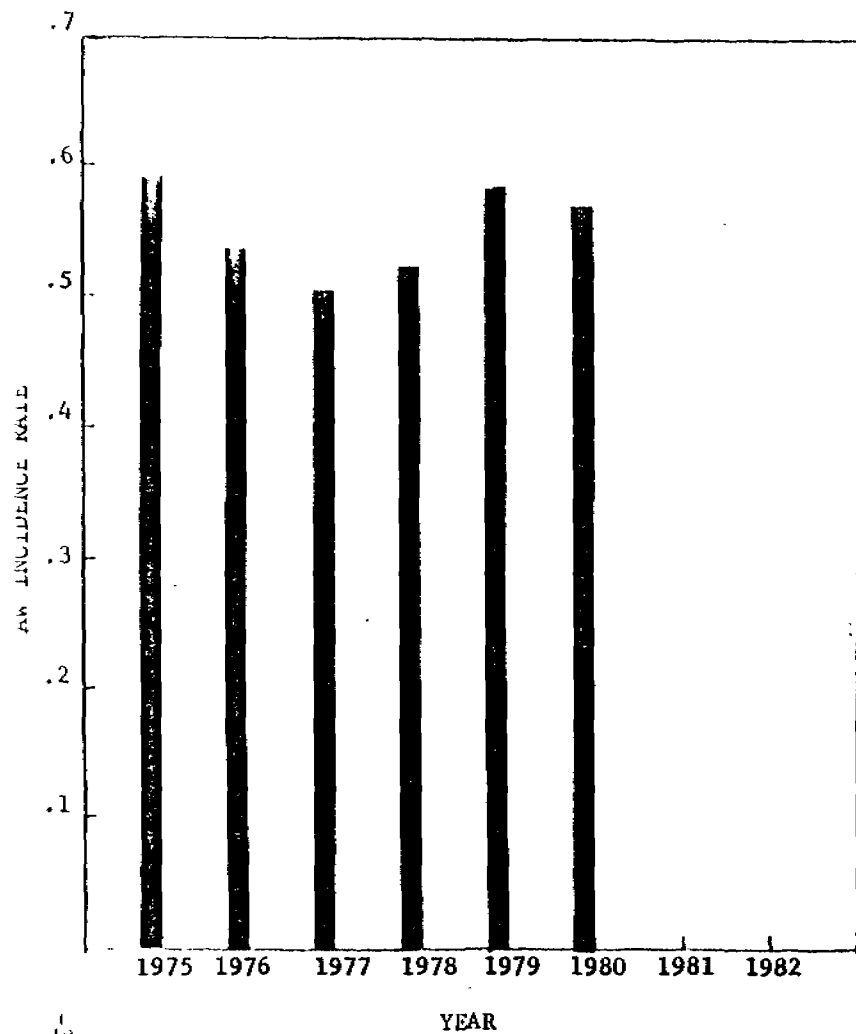
SL 103175

PPG INDUSTRIES, INC.

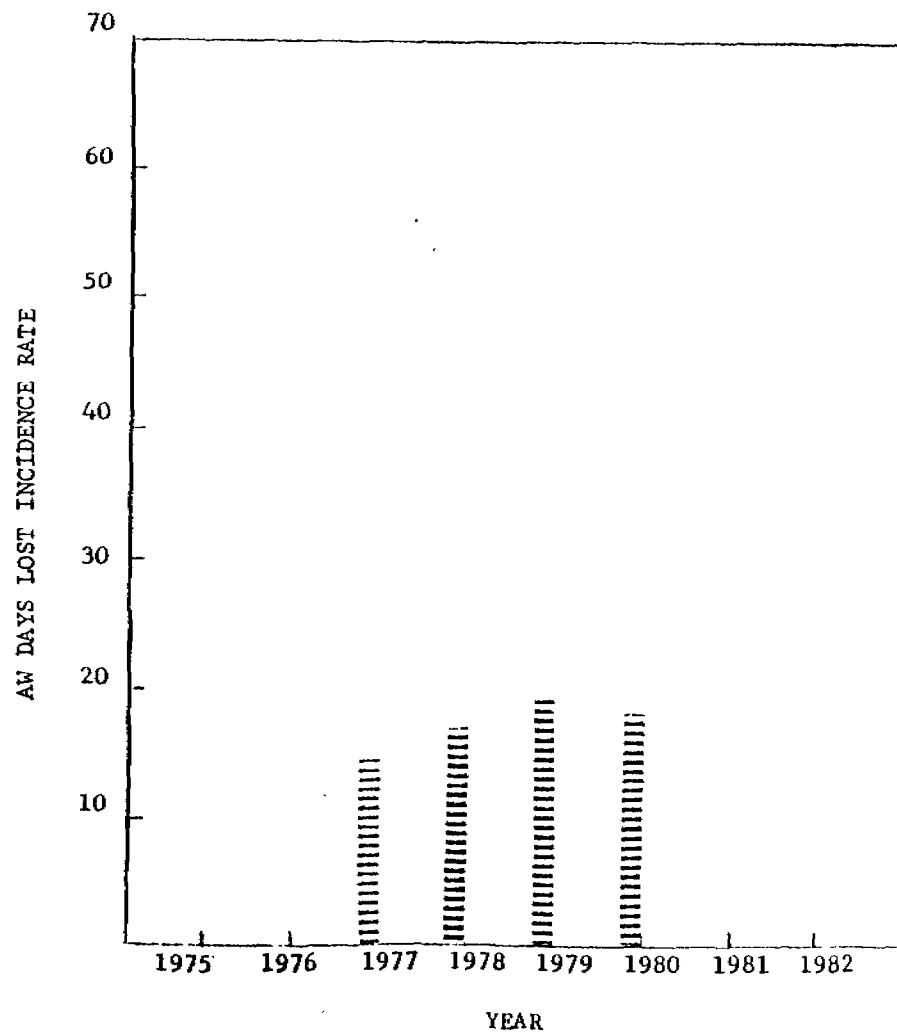
TOTAL CORPORATION

AW INJURY EXPERIENCE

AW INCIDENCE RATE CHART

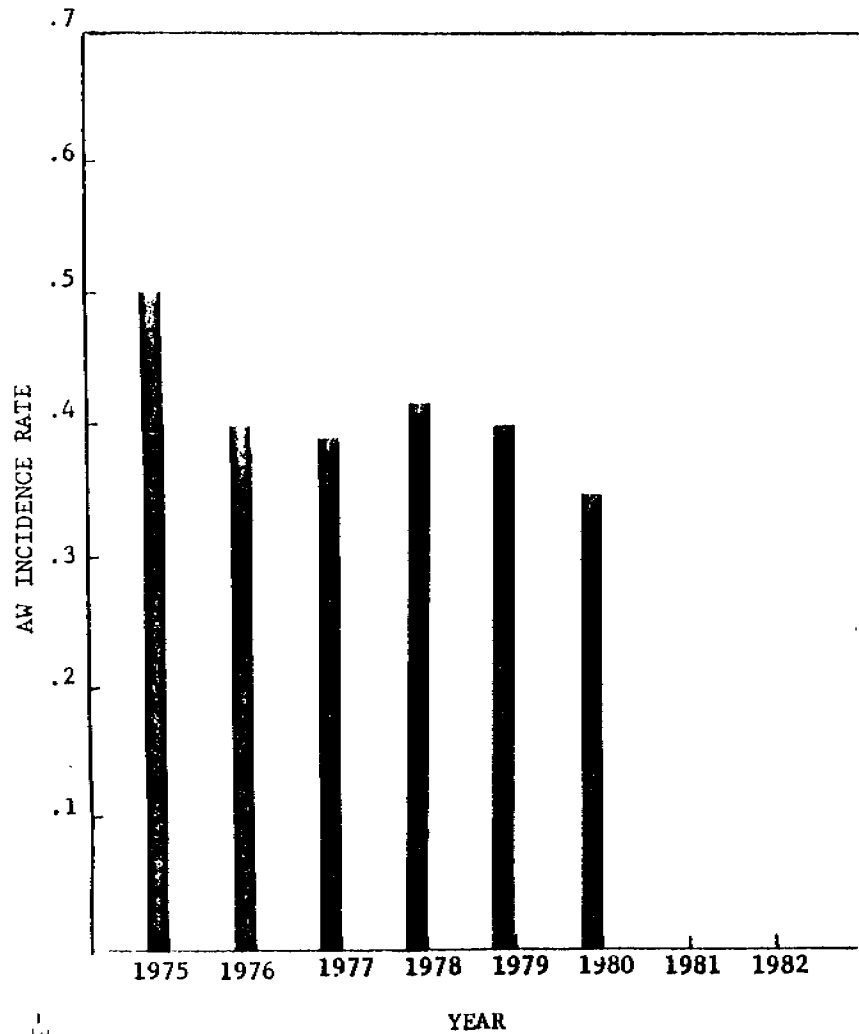


AW DAYS LOST INCIDENCE RATE CHART

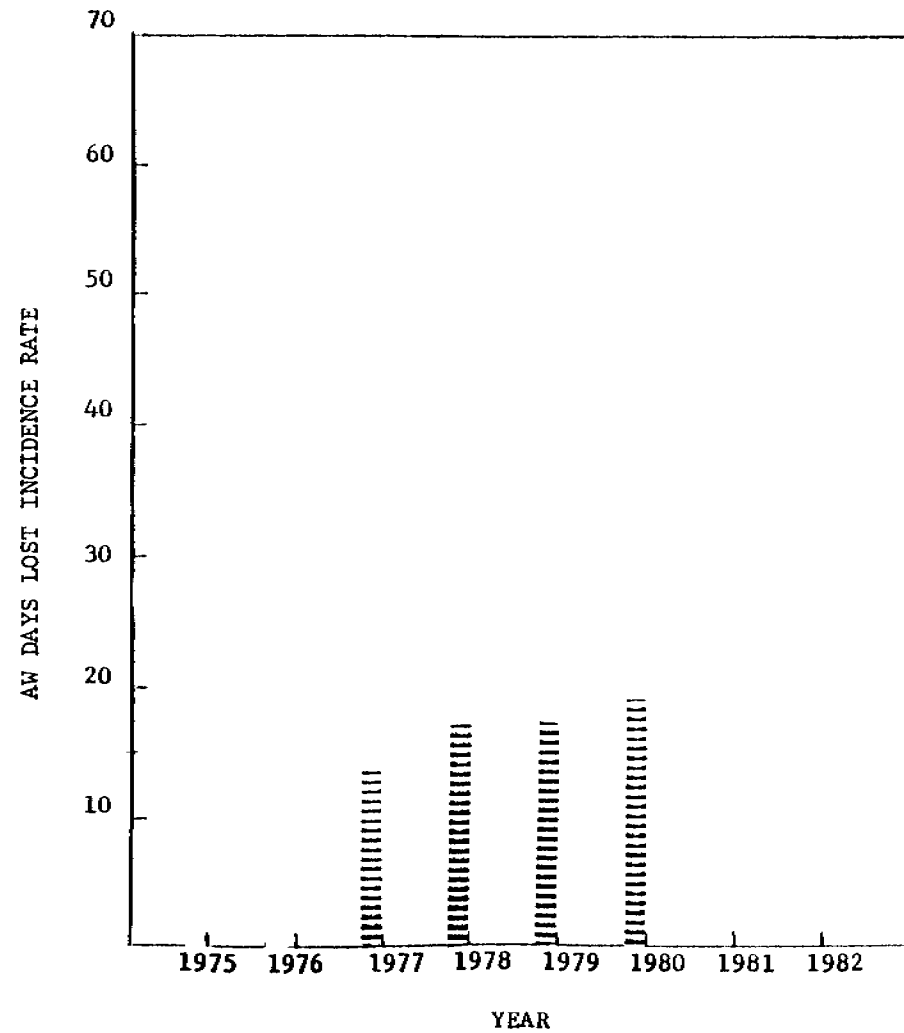


PPG INDUSTRIES, INC.
TOTAL CORP. MANUFACTURING
AW INJURY EXPERIENCE

AW INCIDENCE RATE CHART



AW DAYS LOST INCIDENCE RATE CHART



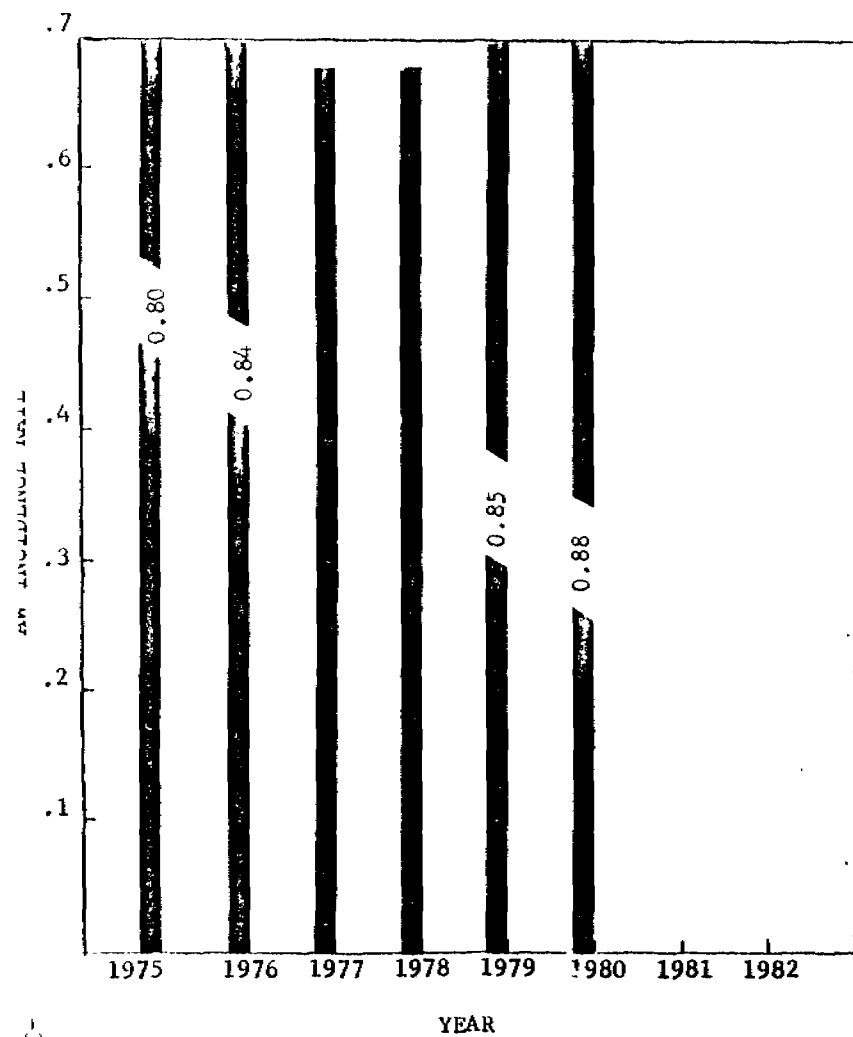
SL 103177

PPG INDUSTRIES, INC.

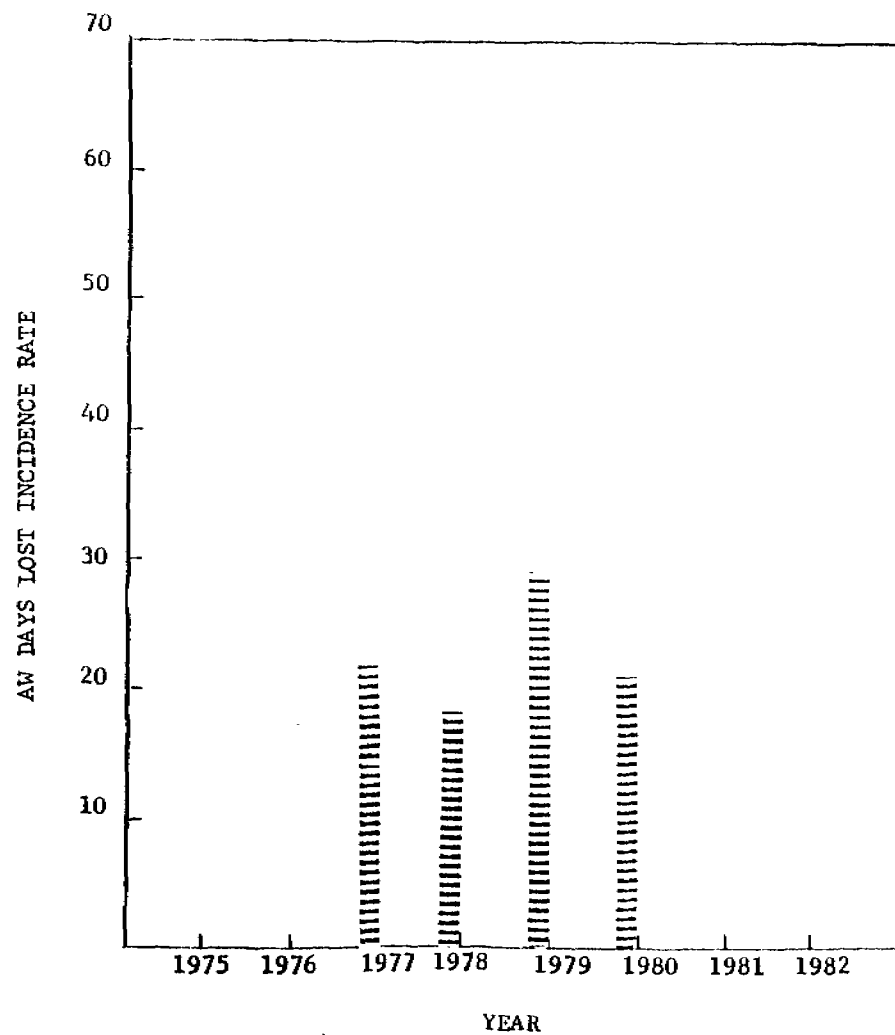
GLASS TOTAL

AW INJURY EXPERIENCE

AW INCIDENCE RATE CHART

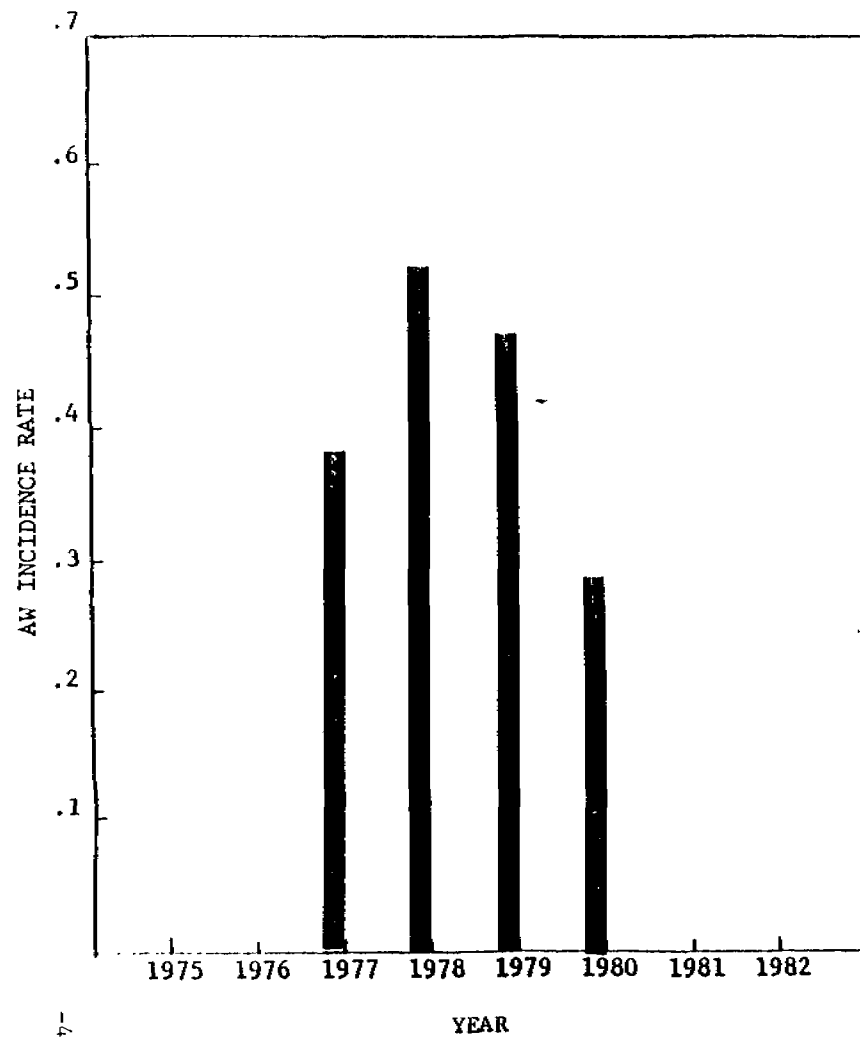


AW DAYS LOST INCIDENCE RATE CHART

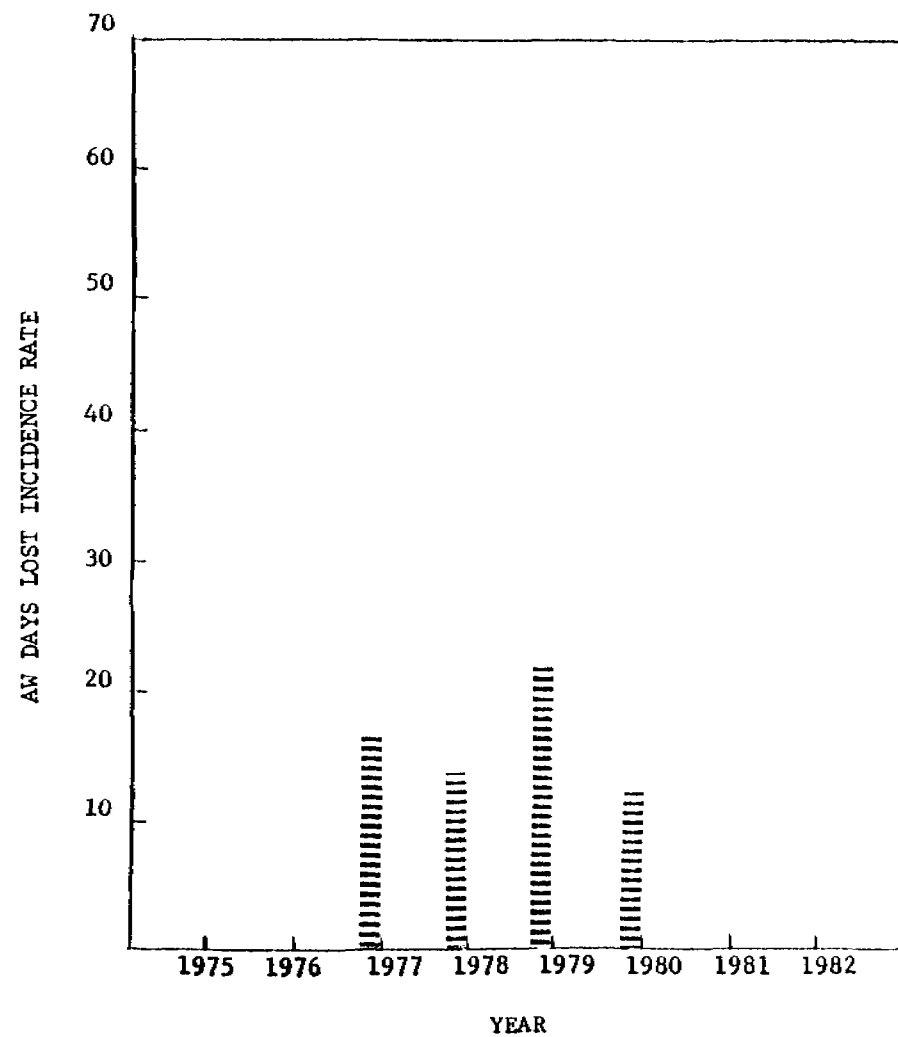


PPG INDUSTRIES, INC.
FLAT GLASS DIVISION
AW INJURY EXPERIENCE

AW INCIDENCE RATE CHART



AW DAYS LOST INCIDENCE RATE CHART



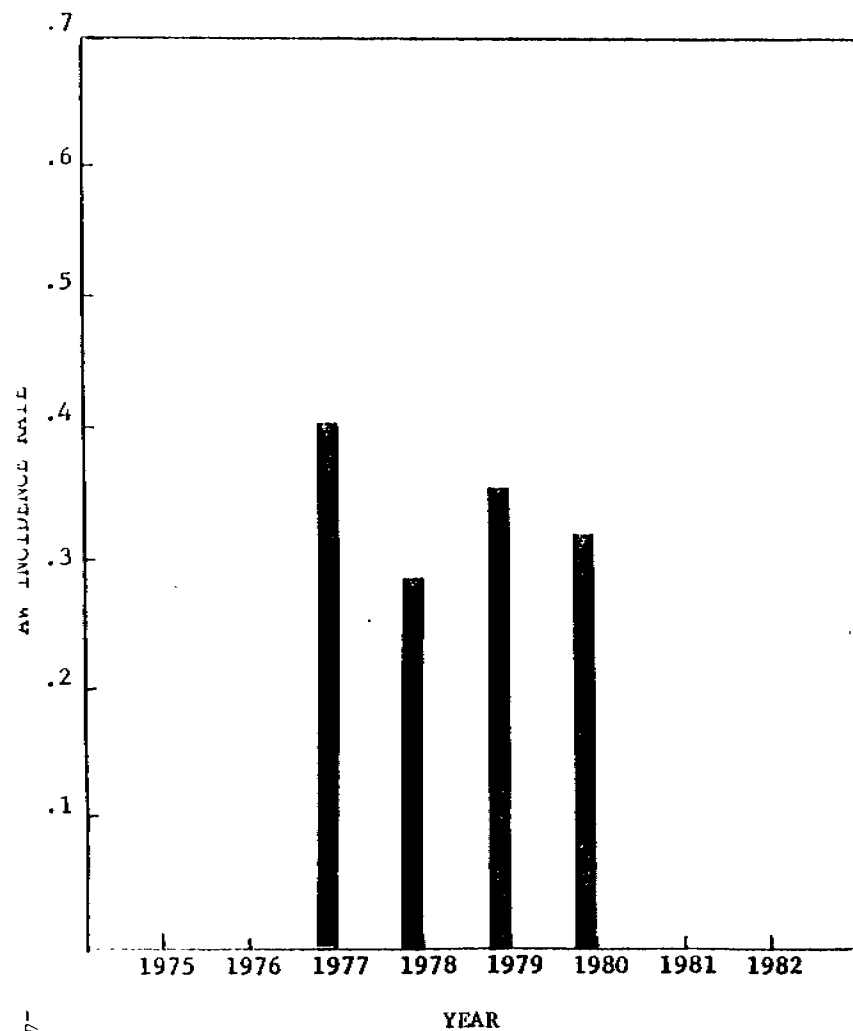
SL 103179

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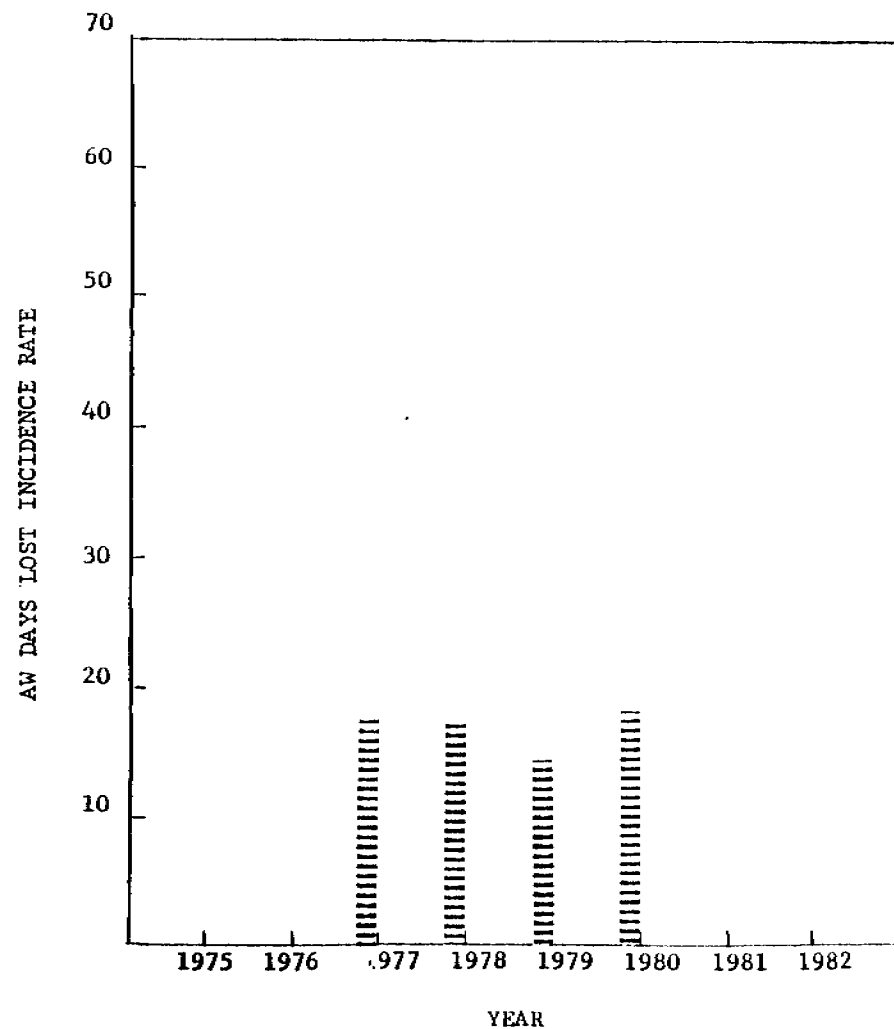
AUTOMOTIVE & AIRCRAFT GLASS DIVISION

AW INJURY EXPERIENCE

AW INCIDENCE RATE CHART



AW DAYS LOST INCIDENCE RATE CHART

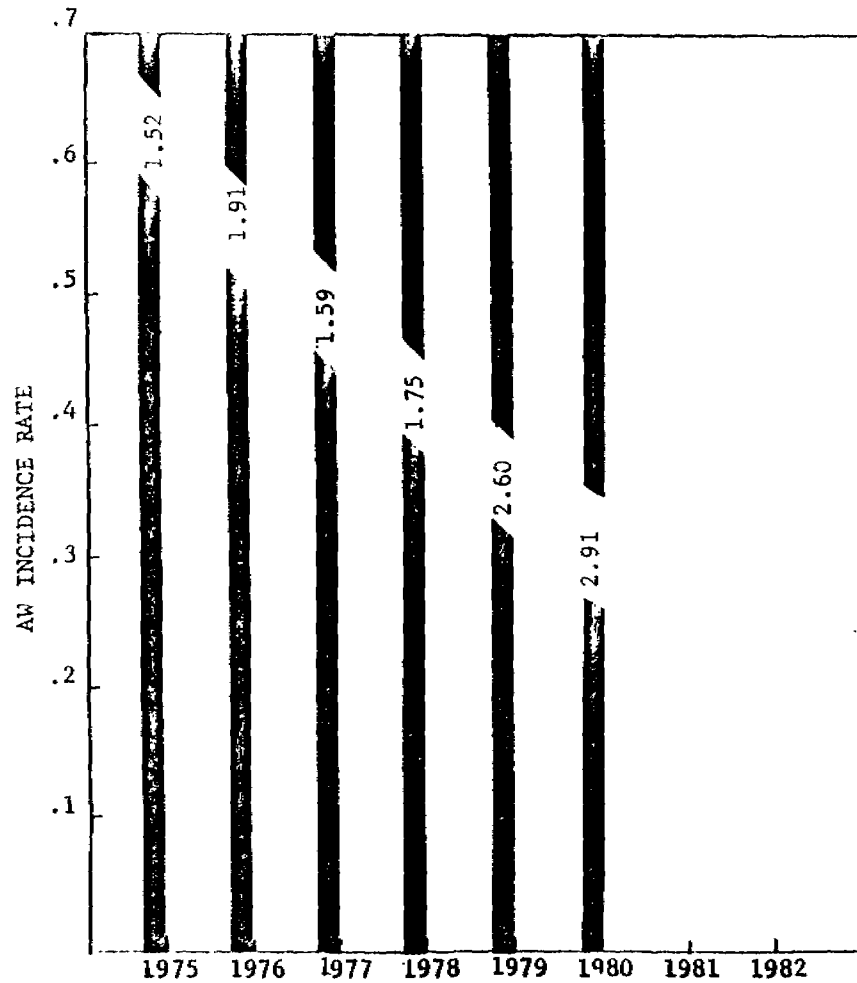


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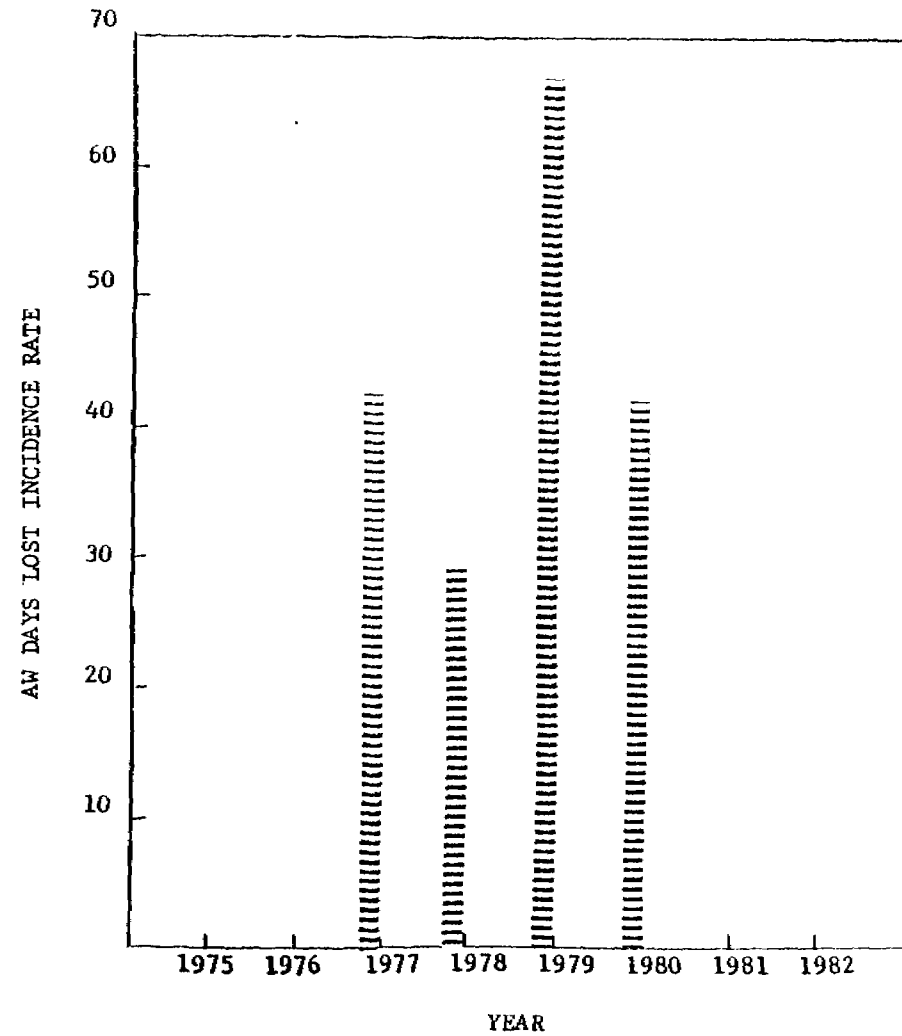
C & S DEPARTMENT

AW INJURY EXPERIENCE

AW INCIDENCE RATE CHART



AW DAYS LOST INCIDENCE RATE CHART



SL 103180

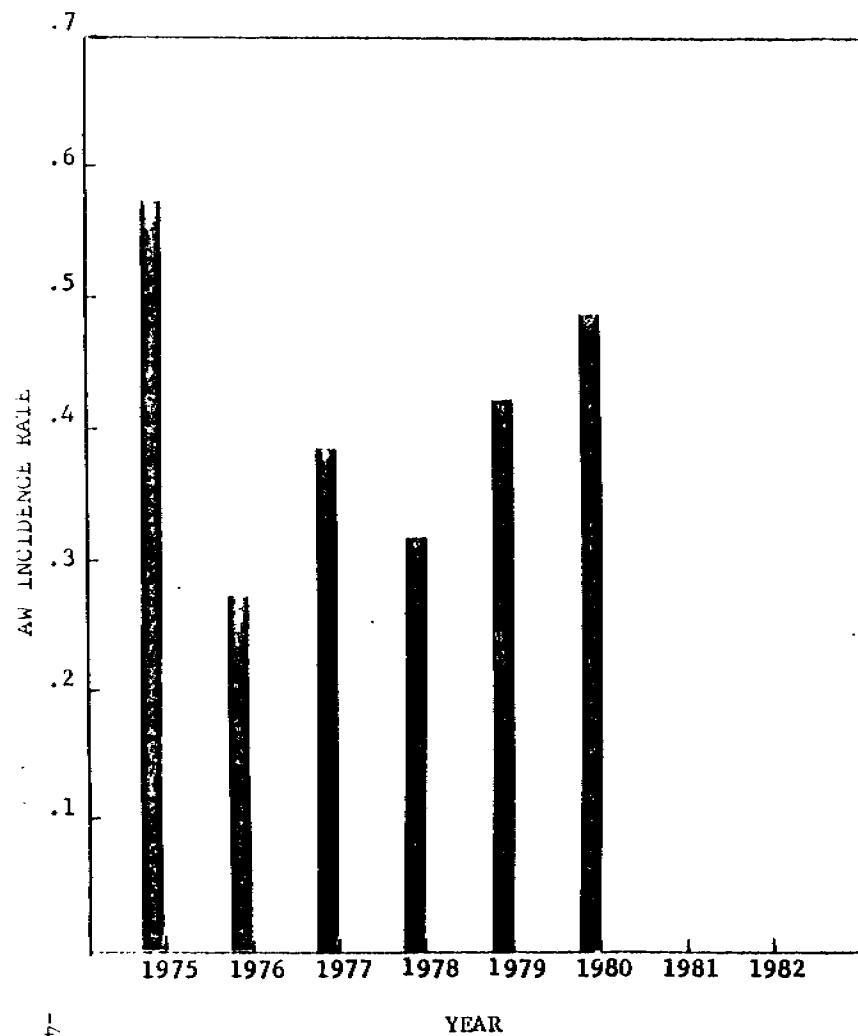
SL 103181

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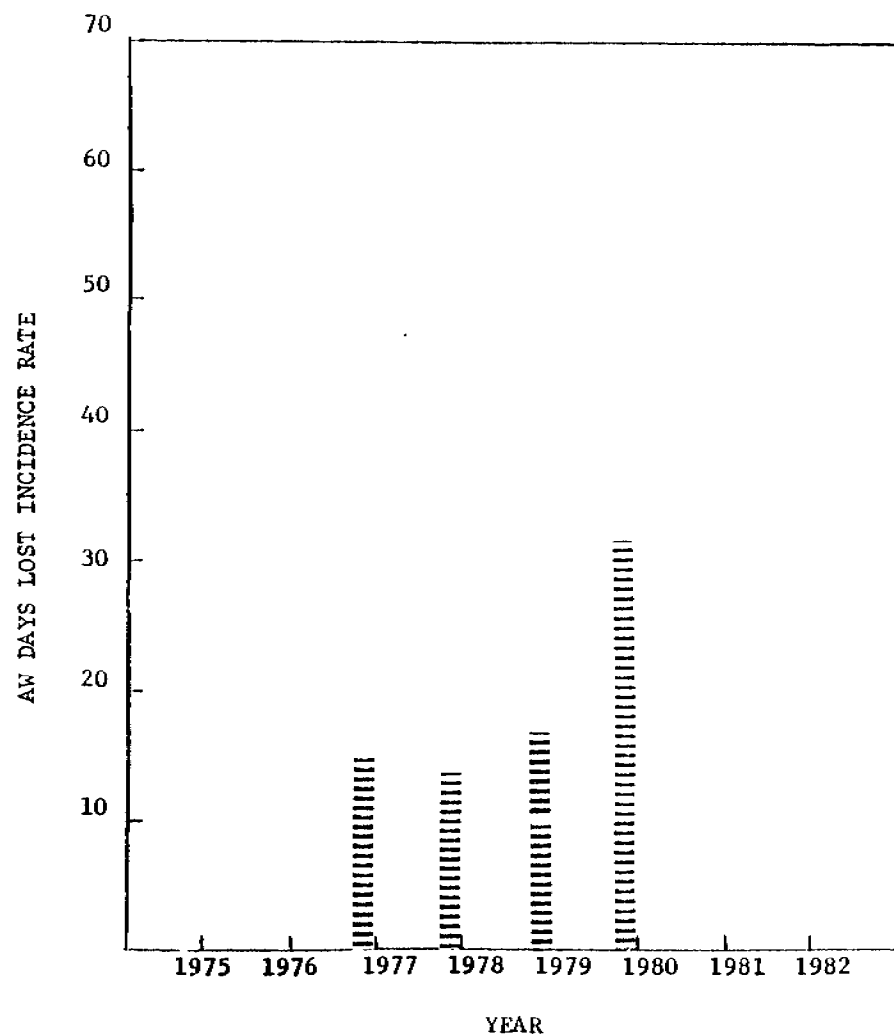
CHEMICALS TOTAL

AW INJURY EXPERIENCE

AW INCIDENCE RATE CHART

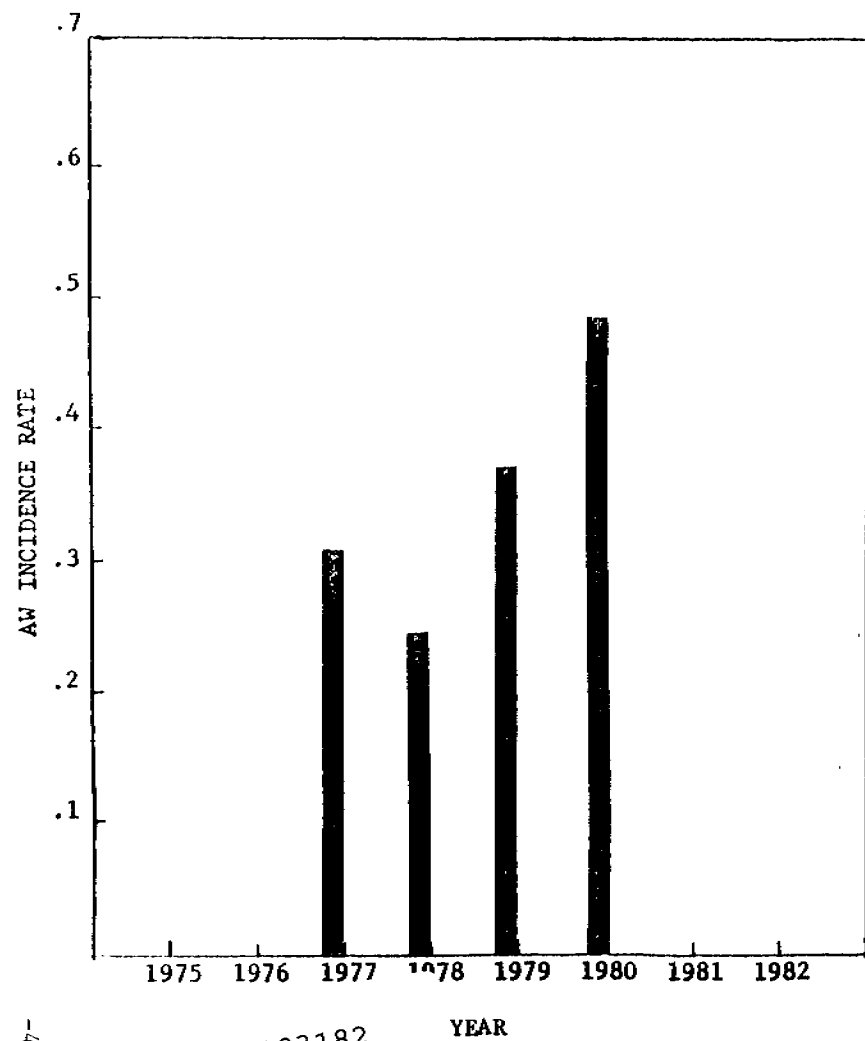


AW DAYS LOST INCIDENCE RATE CHART

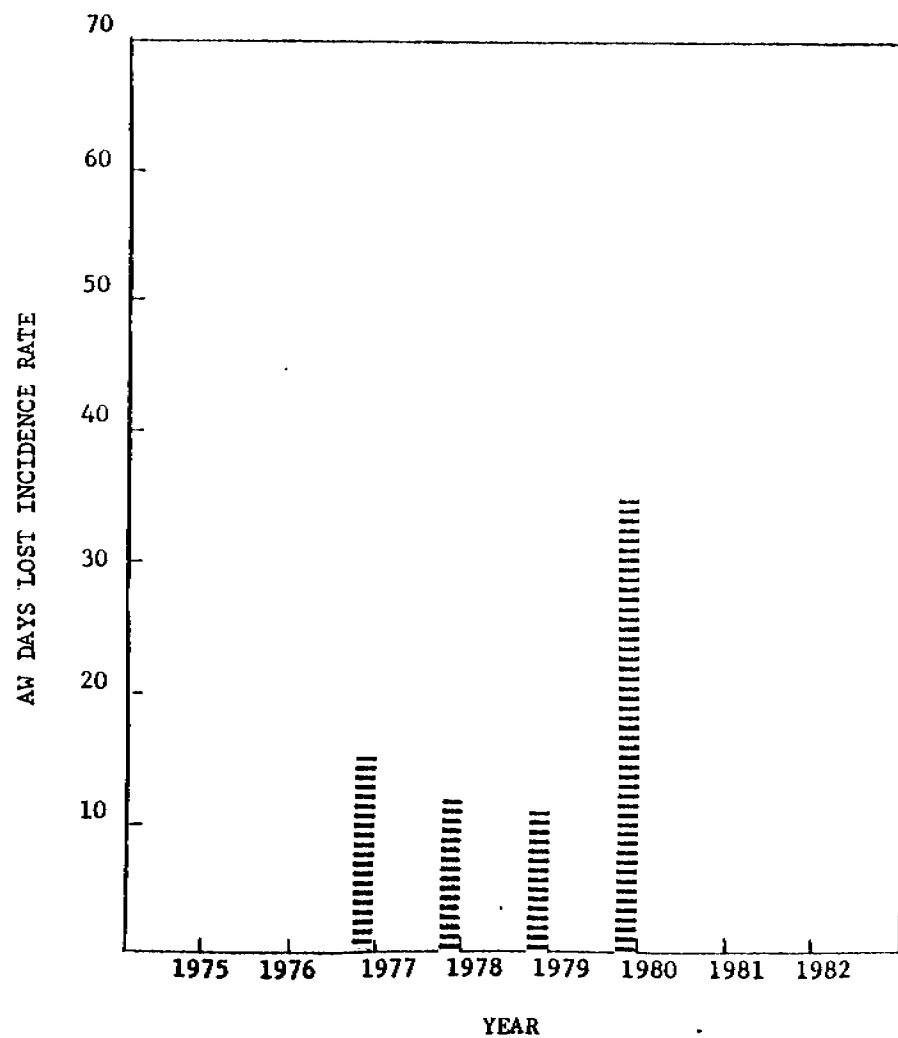


PPG INDUSTRIES, INC.
CHEMICAL DIVISION U.S.
AW INJURY EXPERIENCE

AW INCIDENCE RATE CHART



AW DAYS LOST INCIDENCE RATE CHART

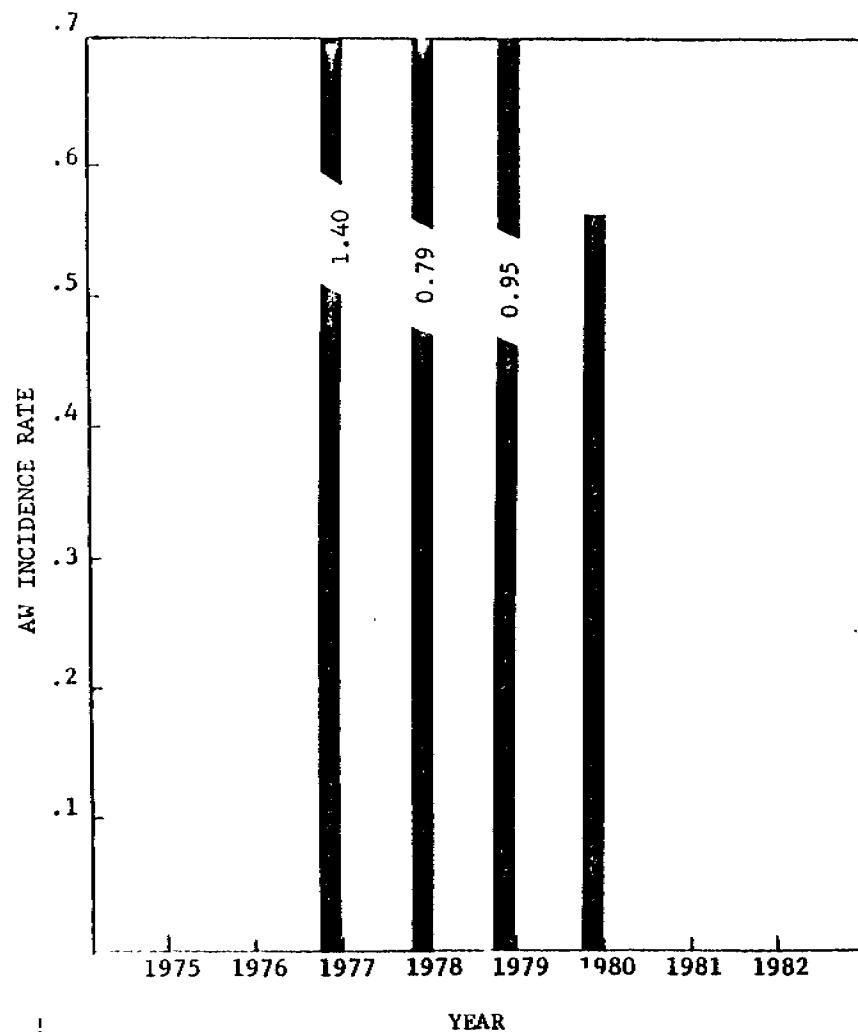


SL 103183

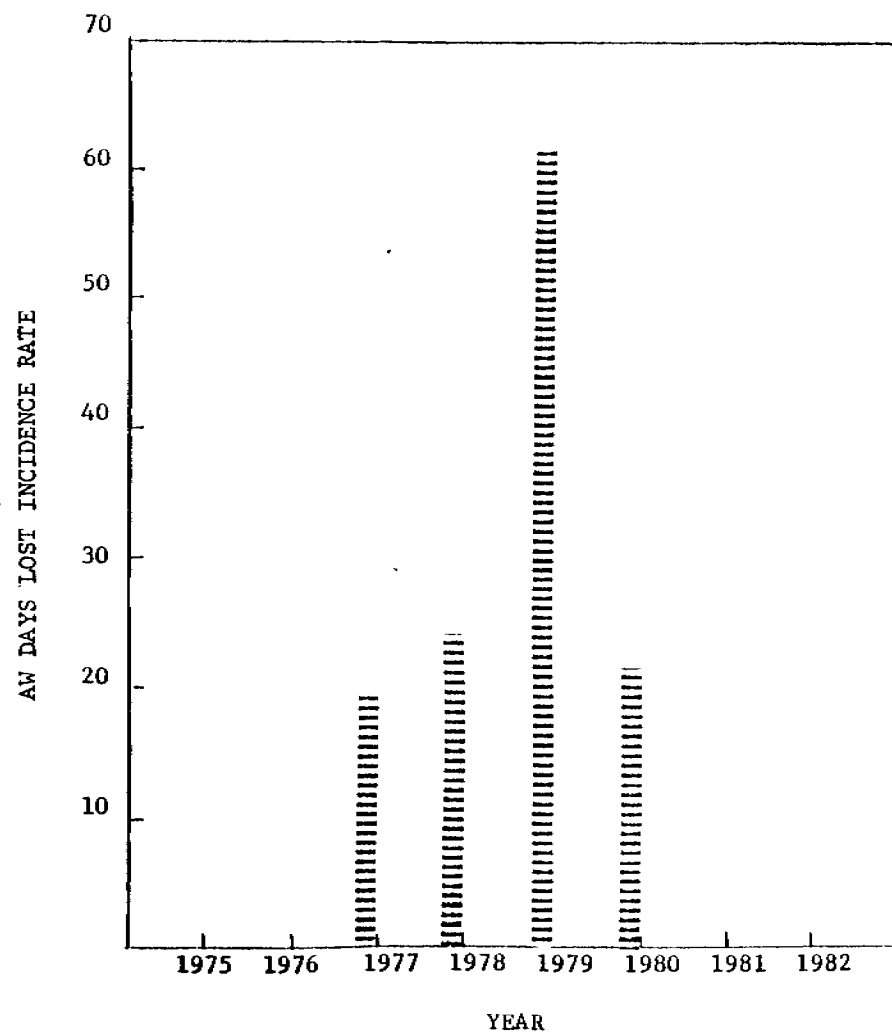
PPG INDUSTRIES, INC.
CHEMICAL DIVISION INTERNATIONAL

AW INJURY EXPERIENCE

AW INCIDENCE RATE CHART

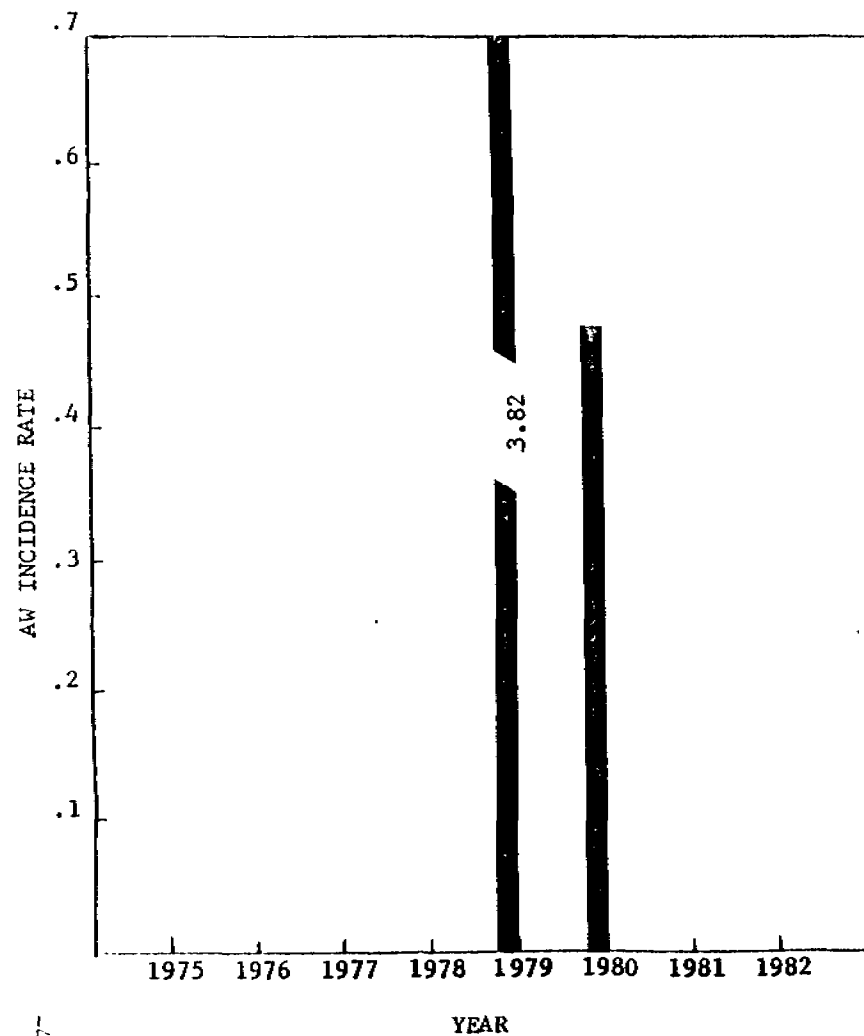


AW DAYS LOST INCIDENCE RATE CHART

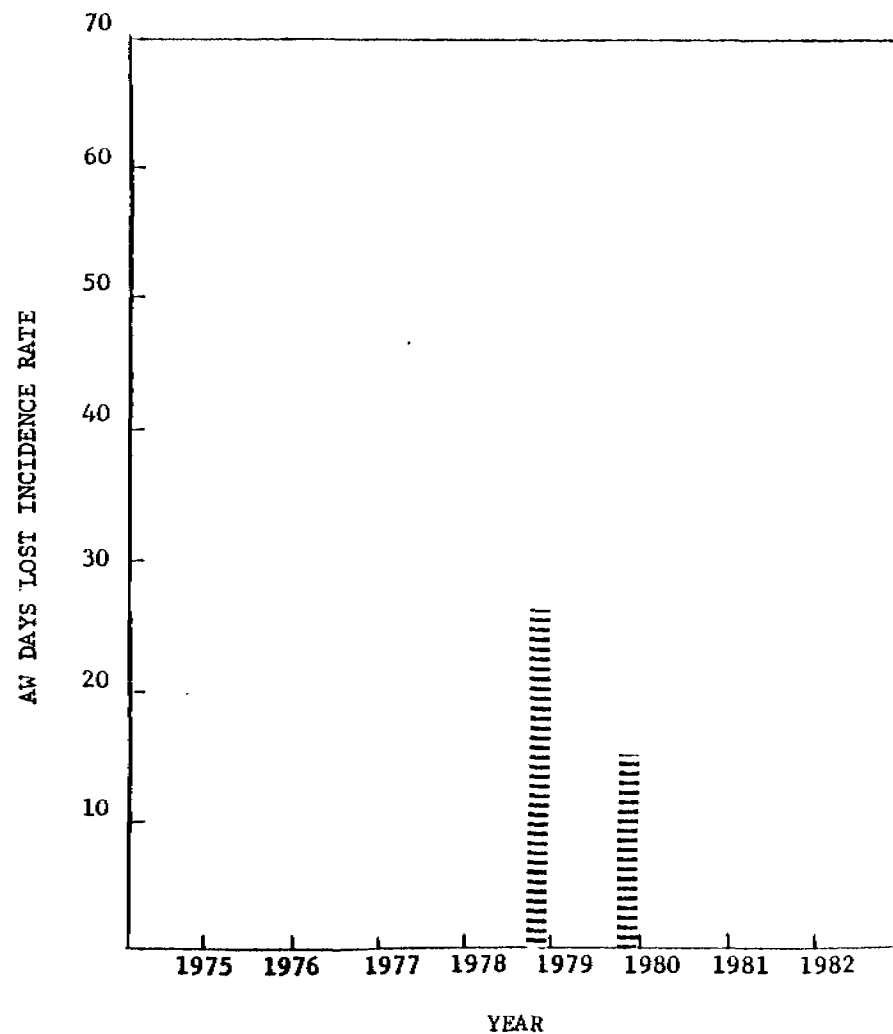


PPG INDUSTRIES, INC.
CHEMICALS
SPECIALTY PRODUCTS UNITS
AW INJURY EXPERIENCE

AW INCIDENCE RATE CHART



AW DAYS LOST INCIDENCE RATE CHART



103184

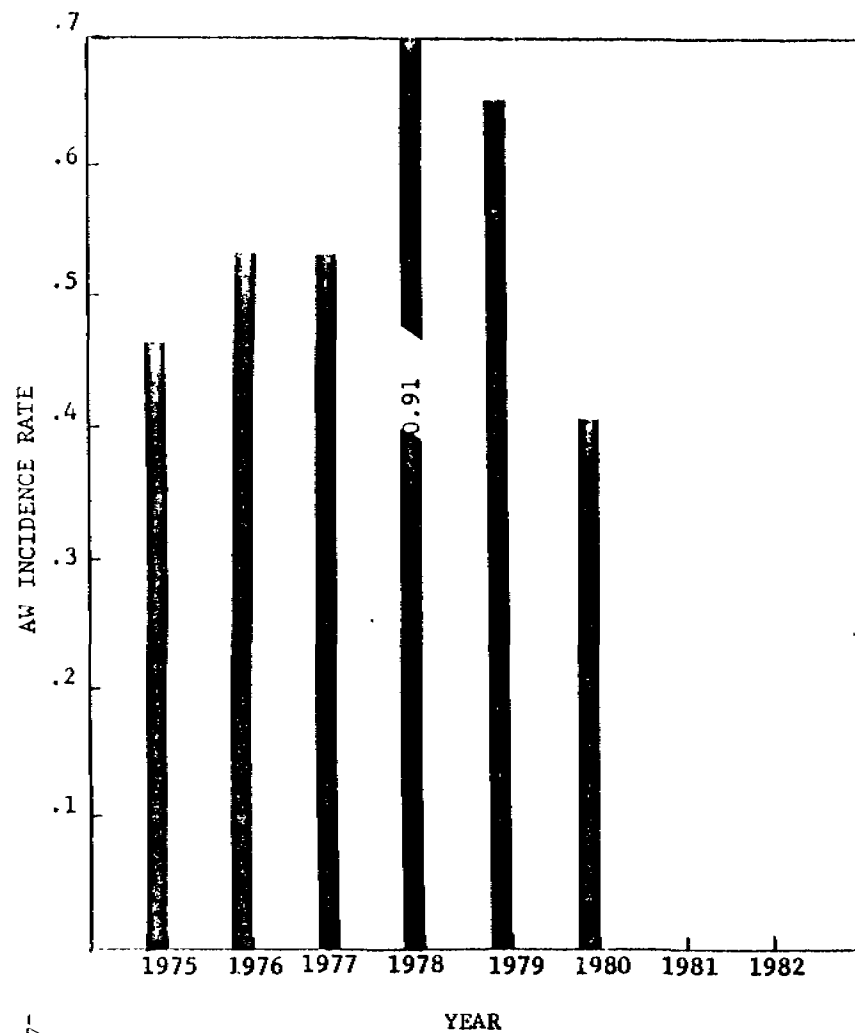
SL 103185

PPG INDUSTRIES, INC.

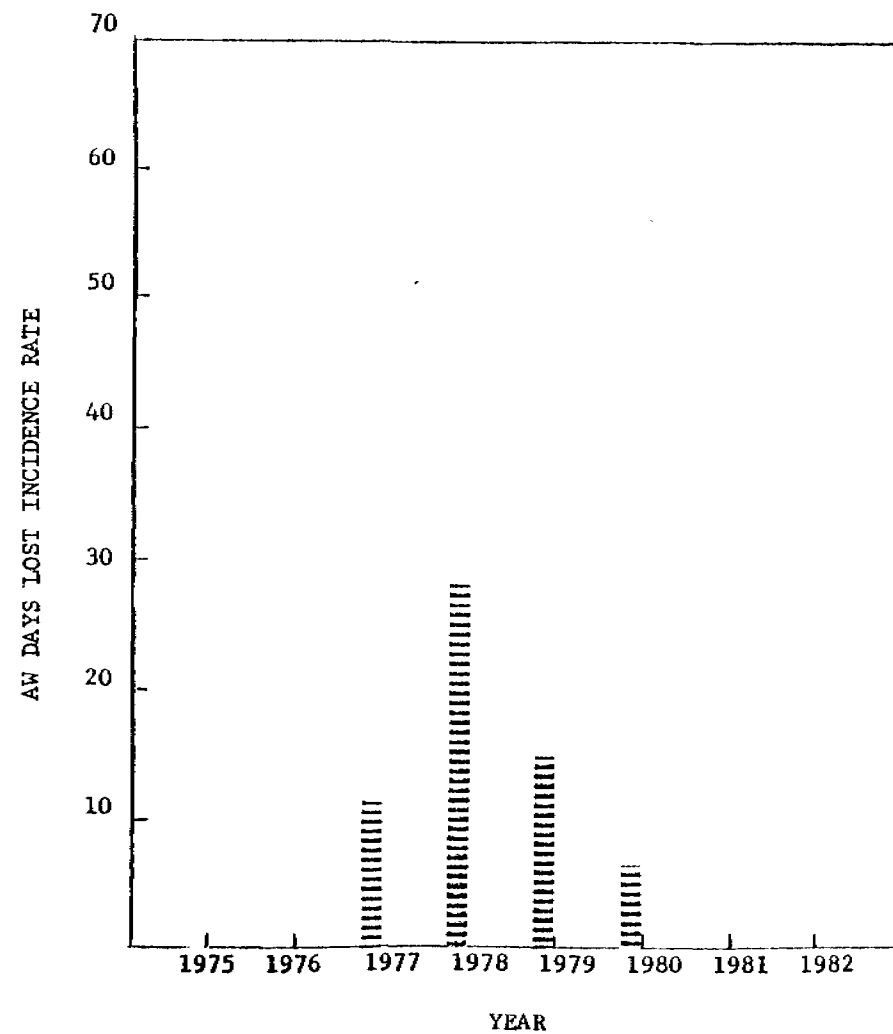
C & R DIVISION TOTAL

AW INJURY EXPERIENCE

AW INCIDENCE RATE CHART

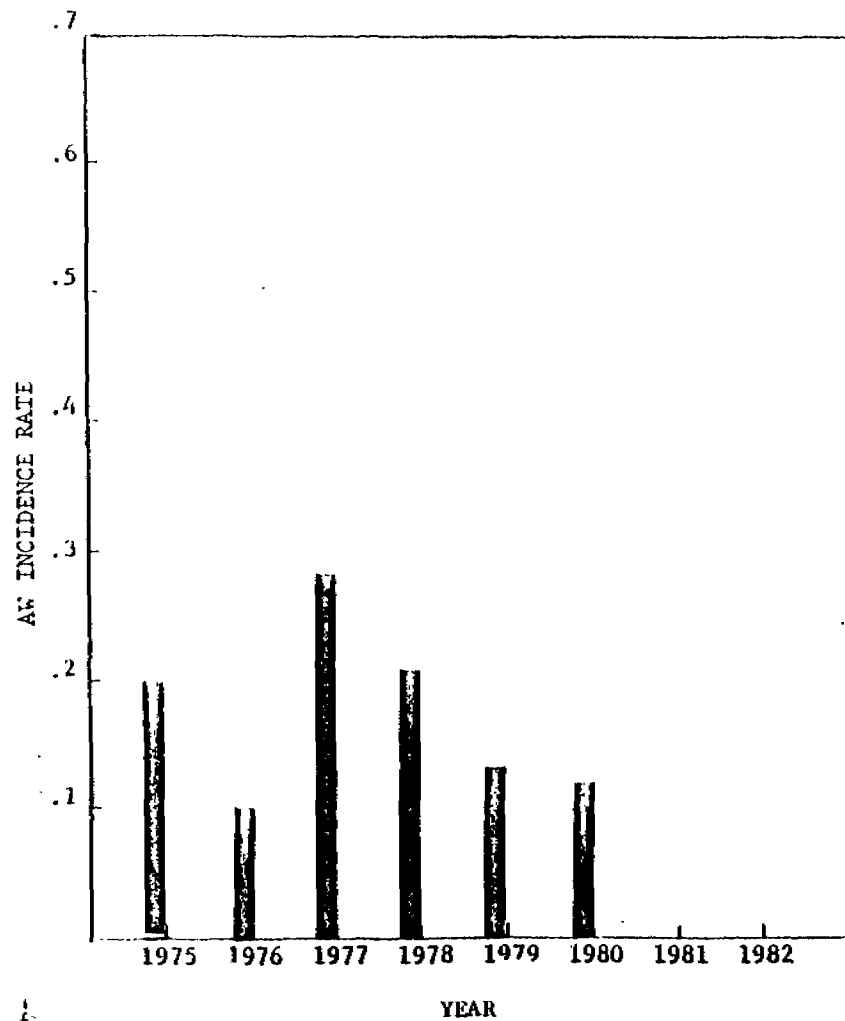


AW DAYS LOST INCIDENCE RATE CHART

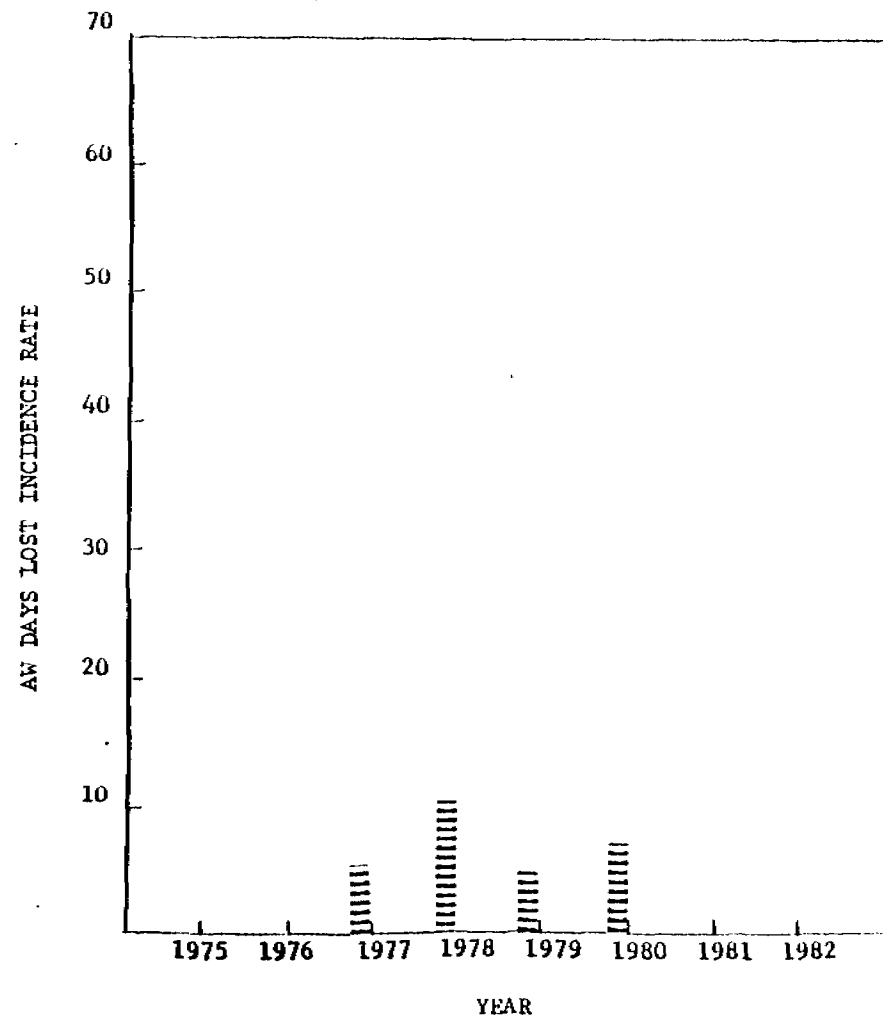


PPG INDUSTRIES, INC.
FIBER GLASS DIVISION TOTAL
AW INJURY EXPERIENCE

AW INCIDENCE RATE CHART



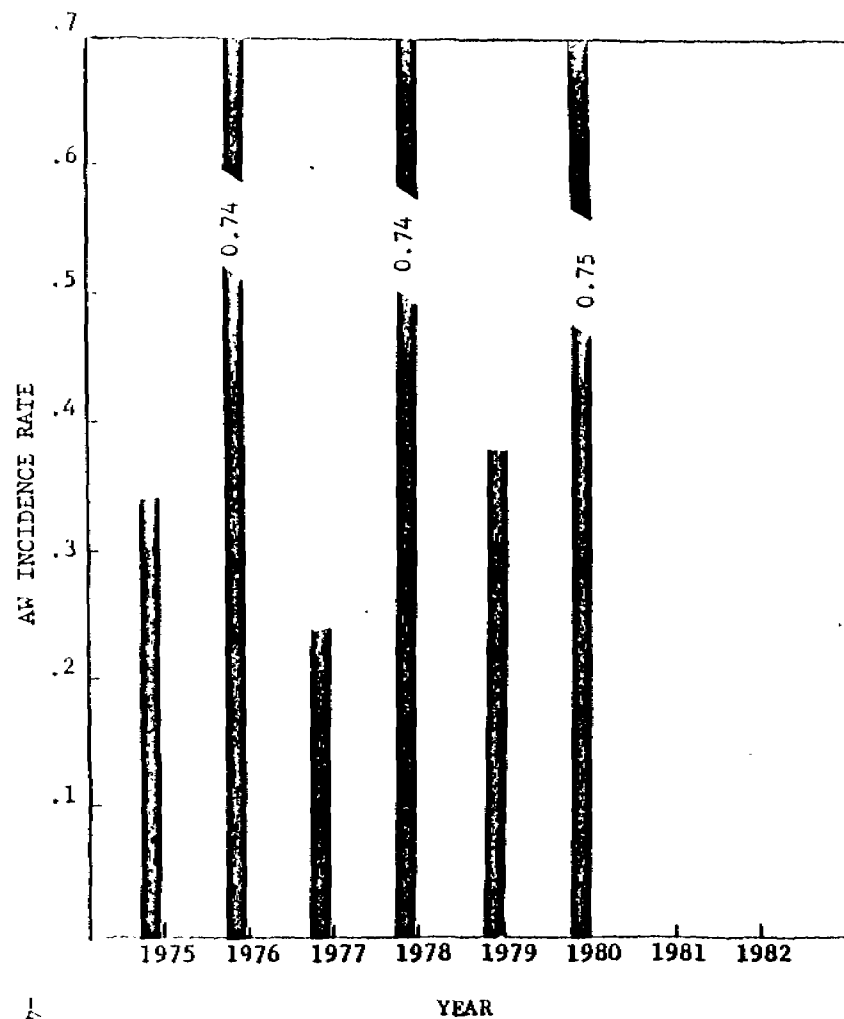
AW DAYS LOST INCIDENCE RATE CHART



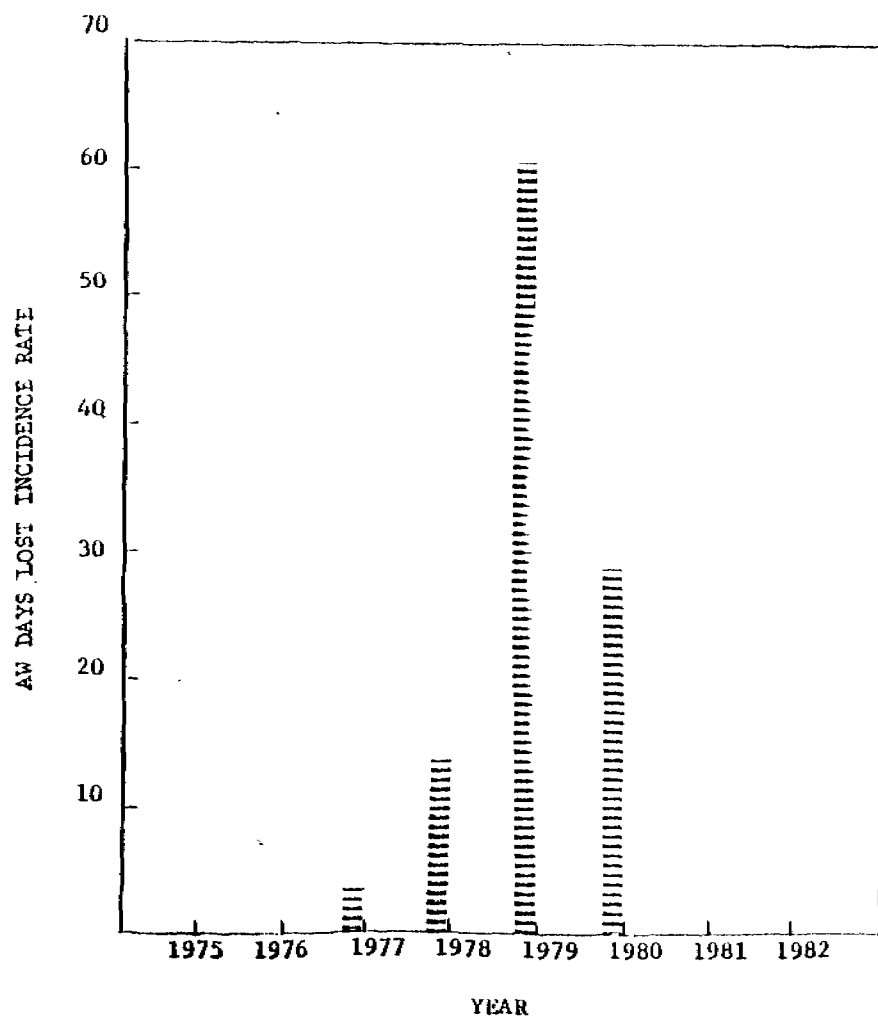
103187
15

PPG INDUSTRIES, INC.
PLASTICS FABRICATING DIVISION
AW INJURY EXPERIENCE

AW INCIDENCE RATE CHART



AW DAYS LOST INCIDENCE RATE CHART



AWARD SUMMARY

PPG Industries, Inc. has its own internal awards program. One set of awards is based on a calendar year and the other set recognizes ongoing achievements as well as the size of the location.

PPG also participated in the awards programs sponsored by the National Safety Council and the program sponsored by the Private Truck Council of America.

The following summary details our experience in 1980.

SL 103188

PPG INDUSTRIES, INC.
CALENDAR YEAR
AWARDS PROGRAM

1980 Award of Honor

Fifteen plants, six research and development units, and eleven sales and distribution units completed 1980 without a death or away-from-work case. Consequently, these units earned the Corporation's Award of Honor. They are:

Manufacturing

Location

Works 23, Creighton, PA	Fourth Consecutive Year
Woodward, OK	Third " "
Cleveland, OH	Second " "
Mt. Zion, IL	Second " "
Carlisle, PA	
Circleville, OH	
Delaware, OH	
East Point, GA	
Evansville, IN	
Ft. Lauderdale, FL	
Fresno, CA	
Lexington, NC	
Springdale, PA	
Stockertown, PA	
Valencia, CA	

Research & Development Units

Barberton, OH, Technical Center	Eighteenth Consecutive Year
Corpus Christi, TX, Technical Center	Third " "
Chicago, IL, Research & Development	
C&R Research & Development	
Fiber Glass Research	
Glass Research	

Sales & Distribution Units

Ditzler Warehouses	Eighth Consecutive Year
C&R Industrial Sales	Seventh " "
Chemical Sales & Distribution	Third " "
C&R Canada Sales	Second " "
C&R Houston Sales	Second " "
ARG Depots	
C&R Distribution Centers - U.S.	
C&R Refinish Sales	
C&R St. Louis Sales	
C&S Metal Fabrication	
STANCHEM Distribution	

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PPG INDUSTRIES, INC.
CALENDAR YEAR
AWARDS PROGRAM
(continued)

1979 AWARD OF MERIT PRESENTED IN 1980

MANUFACTURING

Carlisle, PA
Circleville, OH
Crestline, OH
East Point, GA
Houston, TX
LaPorte, TX
Lexington, NC
Meadville, PA
Shelby, NC
Valencia, CA

1980 AWARD OF MERIT APPLICATIONS

MANUFACTURING

Creighton, PA
Crestline, OH
Ford City, PA
Huntsville, AL
LaPorte, TX
Marshall, MN
Meadville, PA
Shelby, NC
Wichita Falls, TX

NATIONAL SAFETY COUNCIL AWARD PROGRAM

1979 Awards Presented in 1980

Awards of Honor

PPG Industries Total Corporate Performance

Manufacturing

Crestline, OH
Crystal City, MO
Lexington, NC
Mt. Zion, IL
Shelby, NC
Tipton, PA
Wichita Falls, TX

Research & Development

Barberton, OH, Technical Center

Awards of Merit

Manufacturing

Cleveland, OH
Creighton, PA (Works #1)
Huntsville, AL
Kalium Chemicals
Meadville, PA

Research & Development

C&R Research & Development

Awards of Commendation

Manufacturing

Creighton, PA (Works #23)
Marshall, MN

Research & Development

Corpus Christi, TX, Technical Center

President's Citations

Manufacturing

Woodward, OK

Sales & Distribution

Caribe

SL 103191

PRIVATE TRUCK COUNCIL OF AMERICA

1979 Awards Presented in 1980

<u>Location</u>	<u>Accomplishment</u>	<u>Award</u>
Tipton, PA Fleet	Completed 1979 no accidents	Gold Seal
Crestline, OH Fleet	Outstanding 5 yr. performance	Silver Seal
Milwaukee, WI C&S Fleet	Reduced AFR by 72%	Red Seal
Memphis, TN C&S Fleet	Reduced AFR by 62%	Red Seal
Torrance, CA Fleet	Reduced AFR by 50%	Red Seal
Corporate Truck Fleet	Reduced AFR by 28%	Blue Seal

NATIONAL SAFETY COUNCIL

National Fleet Safety Contest

1979 Award Presented in 1980

<u>Location</u>	<u>Accomplishment</u>	<u>Award</u>
Tipton, PA Fleet	Completed 1979 no accidents	Perfect Record Certificate

1980
OSHA INSPECTION EXPERIENCE

BY REASON FOR INSPECTION

	<u>Fatality</u>	<u>Employee Complaint</u>	<u>Routine</u>	<u>Sub Contractor</u>	<u>Industrial Hygiene</u>	<u>Accident Investigation</u>	<u>Follow Up</u>	<u>Total</u>
Glass	0	1	3	0	0	0	0	4
C&S Dept.	0	1	6	22	0	0	3	32
Chemical	0	3	1	0	0	1	2	7
C&R	1	2	3	0	0	0	6	13
F/G	0	0	0	0	0	0	0	0
Plastics	0	0	1	0	0	0	0	1
TOTAL	1	7	14	22	0	1	11	56

BY INSPECTION RESULTS

	<u>Insp. With Citation</u>	<u>Insp. No Citation</u>	<u>Viola- tions No Penalty</u>	<u>Viola- tions With Penalty</u>	<u>Amt. of Penalties</u>	<u>*Avg. Penalty Received</u>	<u>Results Not Received</u>	<u>**Contested Violations</u>
Glass	3	1	13	0	\$ 0	\$ 0	0	1
C&S Dept.	13	16	16	13	3,286	253	3	3
Chemical	2	4	3	1	150	150	1	0
C&R	3	9	3	8	7,470	934	0	8
F/G	0	0	0	0	0	0	0	0
Plastics	1	0	7	8	1,890	236	0	0
TOTAL	22	30	42	30	12,796	427	4	12

* Average penalty received per violation assigned penalty.

** Either through formal procedures or informal meeting with OSHA area personnel.

SL 103193

COMBINED 1971-1980
OSHA INSPECTION EXPERIENCE

BY REASON FOR INSPECTION

	<u>Fatality</u>	<u>Employee Complaint</u>	<u>Routine</u>	<u>Sub Contractor</u>	<u>Industrial Hygiene</u>	<u>Accident Investigation</u>	<u>Follow Up</u>	<u>Total</u>
Glass	1	23	21	0	5	0	18	68
C&S Dept.	0	9	36	168	0	0	6	219
Chemical	3	23	15	1	3	1	13	59
C&R	1	25	11	0	5	0	15	57
F/G	1	4	6	0	0	0	3	14
Plastics	0	2	6	0	1	0	2	11
TOTAL	6	86	95	169	14	1	57	428

BY INSPECTION RESULTS

	<u>Insp. With Citation</u>	<u>Insp. No Citation</u>	<u>Viola- tions No Penalty</u>	<u>Viola- tions With Penalty</u>	<u>Amt. of Penalties</u>	<u>*Avg. Penalty Received</u>	<u>Results Not Received</u>	<u>**Contested Violations</u>
Glass	36	32	171	64	\$ 6,290	\$ 98	0	8
C&S Dept.	162	54	309	140	22,554	161	3	31
Chemical	18	41	35	27	1,260	47	1	17
C&R	23	33	68	34	12,760	375	0	11
F/G	6	8	24	10	1,525	153	0	0
Plastics	7	4	58	21	2,630	125	0	0
TOTAL	252	172	665	296	47,019	159	4	67

* Average penalty received per violation assigned penalty.

** Either through formal procedures or informal meeting with OSHA area personnel.

SL 103194

1980 VISITATION MATRIX

CITY	STATE OR PROVINCE	LOCATION NAME	DIVISION	SAFETY	HEALTH	FIRE	SECURITY	FLEET
CARIBE	PUERTO RICO	CARIBE	CHEMICAL					
LAKE CHARLES	LOUISIANA	LAKE CHARLES	CHEMICAL	X	M	M		
NEW MARTINSVILLE	WEST VIRGINIA	NATRIUM	CHEMICAL	X	M			X
BLAIRMONT	TEXAS	BEAUMONT	CHEMICAL	X		X		
CORPUS CHRISTI	TEXAS	CORPUS R & D	CHEMICAL	X	X	X		
BARBERTON	OHIO	BARBERTON MFG	CHEMICAL	M	M	X		X
BARBERTON	OHIO	BARBERTON R & D	CHEMICAL	M	M			
BEAUMHARNOIS	QUEBEC	BEAUMHARNOIS	CHEMICAL		M	X		
REGINA	SASKATCHEWAN	KALIUM	CHEMICAL		X			
WOODWARD	OKLAHOMA	WOODWARD	CHEMICAL		X			
PITTSBURGH	PENNSYLVANIA	US SLS-DST	CHEMICAL					
MONTREAL	QUEBEC	STANCHEM	CHEMICAL		M			
LA PORTE	TEXAS	LA PORTE	CHEMICAL	M	M			
STOCKERTOWN	PENNSYLVANIA	STOCKERTOWN	CHEMICAL	M	M			X
CHICAGO	ILLINOIS	CHICAGO R & D	CHEMICAL		M			
CRUICKSON	PENNSYLVANIA	WORKS 1	GLASS	M	X	M	M	
WICHITA FALLS	TEXAS	WORKS 4	GLASS	M	X			
FORD CITY	PENNSYLVANIA	WORKS 5	GLASS	M	X			
CARLISLE	PENNSYLVANIA	WORKS 6	GLASS	M	X		M	
CUMBERLAND	MARYLAND	WORKS 7	GLASS	M	X	X		
MEADVILLE	PENNSYLVANIA	WORKS 8	GLASS	M	X	M		A
CRYSTAL CITY	MISSOURI	WORKS 9	GLASS			X	X	
MT. ZION	ILLINOIS	WORKS 14	GLASS			X	M	
FRESNO	CALIFORNIA	WORKS 15	GLASS		X			
MARSHALL	MINNESOTA	WORKS 20	GLASS					
LINCOLN	ILLINOIS	WORKS 21	GLASS		X			
HUNTSVILLE	ALABAMA	WORKS 22	GLASS	M	X	X		
CREIGHTON	PENNSYLVANIA	WORKS 23	GLASS	M	X			
VALENCIA	CALIFORNIA	WORKS 24	GLASS		X			
GREENSBURG	PENNSYLVANIA	WORKS 25	GLASS		X	X	X	X
CRESTLINE	OHIO	WORKS 26	GLASS		M		X	
TIPTON	PENNSYLVANIA	WORKS 27	GLASS		X		X	
EVANSVILLE	INDIANA	WORKS 28	GLASS	X	X	X		
KOKOMO	INDIANA	WORKS 19	GLASS	X	X			
		ARC CENTER	GLASS	M				
		WORKS 17	GLASS	M	X	M	X	
		EASTERN BRANCH	GLASS	M				M
		METAL FAB	GLASS	M				

X = VISIT BY EITHER DIVISIONAL OR CORPORATE STAFFS

M = MORE THAN ONE VISIT BY DIVISIONAL OR CORPORATE STAFFS

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SL 103195

SL 103196

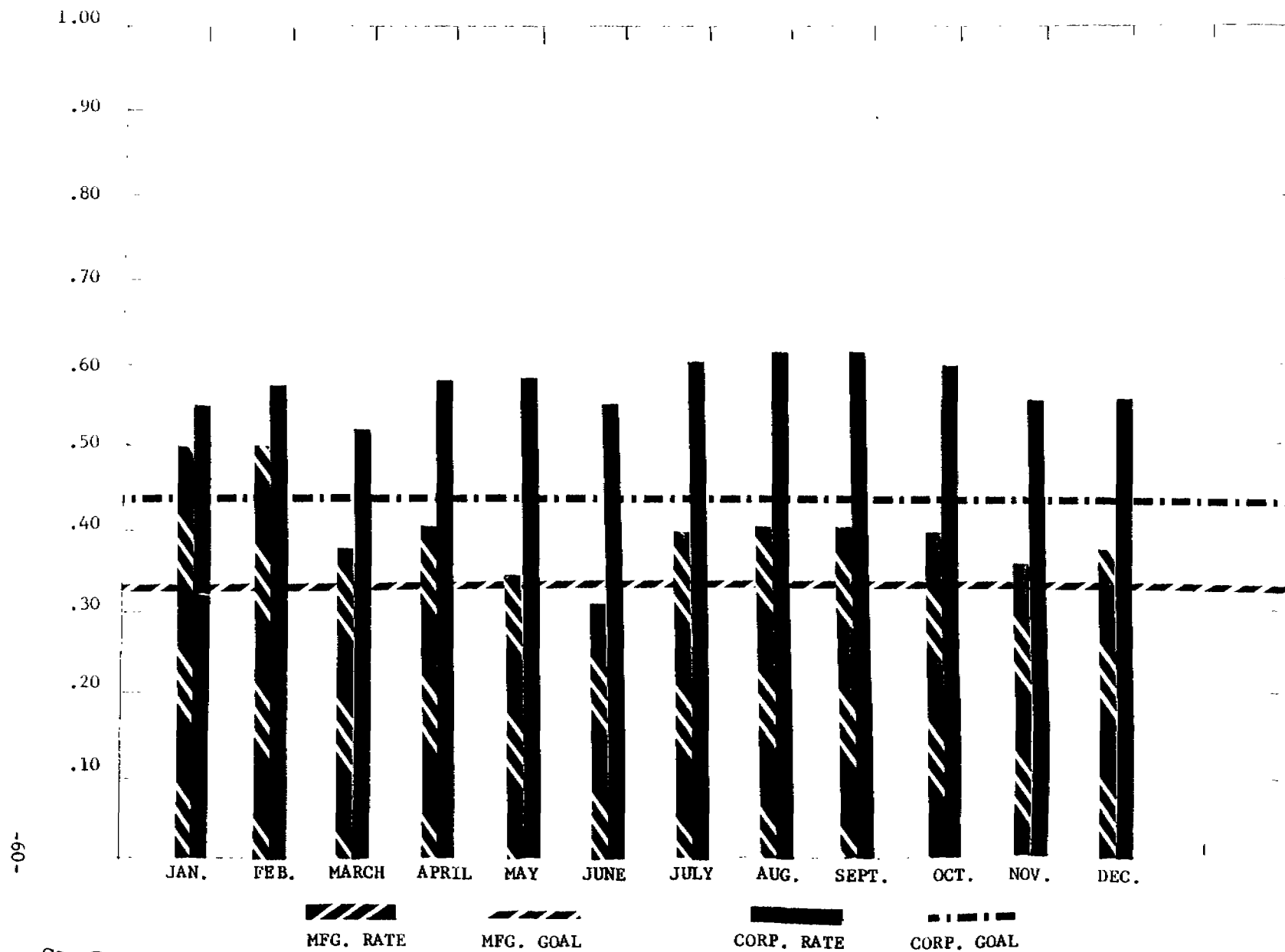
CITY	STATE OR PROVINCE	LOCATION NAME	DIVISION	SAFETY	HEALTH	FIRE	SECURITY	FLEET
		FAB PRODUCTS	GLASS	M				
		CENTRAL BRANCH	GLASS	M				M
		WESTERN BRANCH	GLASS	M				M
		C C G	GLASS	M				
		ARG DEPOTS	GLASS	M				
BALTIMORE	MARYLAND	BALTIMORE	C & R	M	X			
DELAWARE	OHIO	DELAWARE	C & R	M	X		M	
SPRINGDALE	PENNSYLVANIA	SPRINGDALE MFG	C & R	M	X	X	M	
SPRINGDALE	PENNSYLVANIA	ALL R & D	C & R	M	M			
PLAINFIELD	ILLINOIS	MAD POLYMER	C & R		X			
TORRANCE	CALIFORNIA	TORRANCE MFG	C & R	X				
CLEVELAND	OHIO	CLEVELAND	C & R	M	M			X
CINCINNATI	OHIO	CINCINNATI	C & R	M	X			
DOVER	DELAWARE	DOVER	C & R	M	X			K
EAST POINT	GEORGIA	EAST POINT	C & R	M	M			
OAK CREEK	WISCONSIN	OAK CREEK	C & R	M	M			
HOUSTON	TEXAS	HOUSTON	C & R	M	X			
		HOUSTON SLS	C & R	M				
		ATLANTA SLS	C & R	M				
		CHICAGO SLS	C & R					
		PGH SLS	C & R	M				
		L A SLS	C & R	M				
		ST. LOUIS SLS	C & R					
		NEW YORK SLS	C & R	M				
		INDUST SLS	C & R					
		REFINISH SLS	C & R					
		DST CENTERS	C & R	M			X	
		DITZLER WISE	C & R	M				
CLARKSON	ONTARIO	CLARKSON	C & R	M				
TORONTO	ONTARIO	TORONTO	C & R	M				
		CANADA REGR	C & R					
		DST CTR CAN	C & R					
SULLY	NORTH CAROLINA	WORKS 52	FIBER GLASS	M	M	M	M	X
LEXINGTON	NORTH CAROLINA	WORKS 53	FIBER GLASS	M	M		M	
LOWER BURRELL	PENNSYLVANIA	G R T L	FIBER GLASS	M	X		M	
FT. LAUDERDALE	FLORIDA	WORKS 56	FIBER GLASS	X				
BLANNOX	PENNSYLVANIA	ALL R & D	FIBER GLASS	M	M	M	M	

1980 OCCUPATIONAL INJURY AND ILLNESS REPORT

The following statistical report contains all final information on all Recordable Case incidence rates, man hours worked, direct costs, and numbers of cases by location. This report is an updated December 1980 report and reflects all changes necessary due to errors in reporting throughout 1980. This report is now final and becomes the PPG official record.

PPG INDUSTRIES, INC.

1980 INJURY/ILLNESS EXPERIENCE



SL 103199

PPG INDUSTRIES INC.
SAFETY SYSTEM
RECORDABLE WORK INJURY/ILLNESS REPORT
DECEMBER 1980

ALL TIME CORPORATE RECORD
DAYS- 3,773
HOURS- 8,447,386 WORKS NO. 7

SUMMARY (US OPER.)

	HRS YTD (000)	NSC CASES MO YR	***** GOAL	NSC RATE CURR	***** 3 YR	COST D YTD T (000) H.MO	** AW	LW YR MO	CASES TOTAL YR	*** AW	DAYS YR	LOST MO	**** TOTAL YR	NF CASES MO YR	***** RC	INCIDENCE LW	RATES AW	***** NF	AWDL	TDL
MANUFACTURE																				
PLASTICS FAB	530	0 2	0.00	0.75	0.47	8 0 0	2 0	2 0	2 0	76	0	76	0	4	2.26	0.75	0.75	1.51	28.6	28.6
FIBERGLASS	5824	0 4	0.13	0.14	0.21	140 0 0	4 17	161	60	252	339	1817	7	80	8.28	5.53	0.14	2.75	8.6	62.4
CHEMICAL	8932	0 25	0.28	0.56	0.38	576 0 0	25 14	171	412	1679	969	4496	8	121	6.54	3.83	0.56	2.71	37.5	100.7
COATINGS&RES	6032	1 12	0.49	0.40	0.66	389 1 1	11 5	45	64	253	212	653	2	64	3.65	1.49	0.36	2.12	8.3	21.6
GLASS	18893	3 29	0.38	0.31	0.41	1058 0 3	29 6	137	333	1502	455	3231	23	310	4.73	1.45	0.31	3.28	15.9	34.2
TOTAL **	40213	4 72	0.33	0.36	0.41	2172 1 4	71 42	516	869	3762	1975	10273	40	579	5.45	2.57	0.35	2.88	18.7	51.1
R & D																				
FIBERGLASS	606	0 0	0.00	0.00	0.21	0 0 0	0 0	1 0	0 0	0 0	0	5 0	4	1.65	0.33	0.00	1.32	0.0	1.6	
CHEMICAL	887	0 0	0.00	0.00	0.27	0 0 0	0 0	1 0	0 0	0 0	0	3 1	5	1.35	0.23	0.00	1.13	0.0	0.7	
COATINGS&RES	1101	0 0	0.18	0.00	0.49	19 0 0	0 0	5 0	0 0	0 0	0	28 1	11	2.90	0.91	0.00	2.00	0.0	5.1	
GLASS	841	0 0	0.24	0.00	0.09	1 0 0	0 0	0 0	0 0	0 0	0	0 0	9	2.14	0.00	0.00	2.14	0.0	0.0	
TOTAL **	3437	0 0	0.12	0.00	0.29	21 0 0	0 0	7 0	0 0	0 0	0	36 2	29	2.09	0.41	0.00	1.69	0.0	2.1	
SALES DST-AD																				
GENERAL OFF.	5166	0 2	0.15	0.08	0.20	1 1 0	1 0	1 0	1 0	19	0	19	0	7	0.35	0.04	0.04	0.27	0.7	0.7
CHEMICAL	344	0 0	0.00	0.00	0.33	0 0 0	0 0	0 0	0 0	0 0	0	0 0	0	0	0.00	0.00	0.00	0.00	0.0	0.0
COATINGS&RES	3493	0 11	0.63	0.63	0.72	40 0 0	11 0	18	41	93	41	164	3	36	3.09	1.03	0.63	2.06	5.3	9.4
GLASS	6034	7 85	1.52	2.82	2.01	1214 0 7	85 7	86	777	1247	777	1255	12	268	11.73	2.85	2.82	8.88	41.3	41.6
TOTAL **	15038	7 98	0.78	1.30	1.03	1256 1 7	97 7	105	818	1359	818	1438	15	311	5.55	1.40	1.29	4.14	18.1	19.1
DIVISIONS																				
PLASTICS FAB	530	0 2	0.00	0.75	0.47	8 0 0	2 0	2 0	2 0	76	0	76	0	4	2.26	0.75	0.75	1.51	28.6	28.6
FIBERGLASS	6430	0 4	0.11	0.12	0.21	140 0 0	4 17	162	60	252	339	1822	7	84	7.65	5.04	0.12	2.61	7.8	56.7
GENERAL OFF.	5166	0 2	0.15	0.08	0.20	1 1 0	1 0	1 0	1 0	19	0	19	0	7	0.35	0.04	0.04	0.27	0.7	0.7
CHEMICAL	10164	0 25	0.25	0.49	0.37	577 0 0	25 14	172	412	1679	969	4499	9	126	5.86	3.38	0.49	2.48	33.0	88.5
COATINGS&RES	10627	1 23	0.53	0.43	0.66	449 1 1	22 5	68	105	346	253	845	6	111	3.39	1.28	0.41	2.09	6.5	15.9
GLASS	25768	10 114	0.64	0.88	0.73	2274 0 10	114 13	223	1110	2749	1232	4486	35	587	6.29	1.73	0.88	4.56	21.3	34.8
TOTAL **	58689	11 170	0.44	0.58	0.55	3451 2 11	168 49	628	1687	5121	2793	11747	57	919	5.28	2.14	0.57	3.13	17.5	40.0

DTH = DEATH
RC = RECORDABLE CASES

AW = AWAY FROM WORK
AWDL = AWAY FROM WORK DAYS

LW = LOST WORKDAY
TDL = TOTAL DAYS LOST

NF = NON FATAL
NSC = NATIONAL SAFETY COUNCIL

PPG INDUSTRIES INC.
SAFETY SYSTEM
RECORDABLE WORK INJURY/ILLNESS REPORT
DECEMBER 1980

ALL TIME DIVISIONAL RECORD
DAYS- 2,864 HARMARVILLE
HOURS- 8,447,386 WORKS NO. 7

GLASS GROUP

		HRS	NSC	*****	NSC	*****	COST	D	**	LW	CASES	**	***	DAYS	LOST	****	HF		*****	INCIDENCE RATES				*****	
		YTD	CASES		RATE		YTD	T	AW	YR	MO	TOTAL	AW	YR	MO	TOTAL	CASES	YR	RC	LW	AW	NF	AWDL	TDL	
		(000)	MO	YR	GOAL	CURR	3 YR	(000)	H.	MO	YR	MO	YR	MO	YR	MO	YR	MO	YR	MO	YR	MO	YR	MO	
FLAT GL DIV. MANUFACTURE PRIM GL																									
WORKS NO.	4	1934	0	2	0.36	0.21	0.34	119	0	0	2	1	7	0	58	4	148	10	68	7.76	0.72	0.21	7.03	6.0	15.3
WORKS NO.	6	2281	0	0	0.35	0.00	0.40	13	0	0	0	0	9	0	0	0	56	1	24	2.89	0.79	0.00	2.10	0.0	4.9
WORKS NO.	7	1174	1	7	0.48	1.19	0.66	108	0	1	7	1	13	160	469	160	525	1	19	5.45	2.21	1.19	3.23	79.8	89.4
WORKS NO.	8	1262	0	2	0.41	0.32	0.35	28	0	0	2	0	19	0	73	3	248	1	13	5.07	3.01	0.32	2.06	11.6	39.3
WORKS NO.	9	1148	0	1	0.34	0.17	0.21	67	0	0	1	1	8	0	22	11	118	2	35	7.49	1.39	0.17	6.09	3.8	20.5
WORKS NO.	14	327	0	0	0.52	0.00	0.53	10	0	0	0	0	0	0	0	0	0	2	1.22	0.00	0.00	1.22	0.0	0.0	
WORKS NO.	15	720	0	0	0.79	0.00	1.40	62	0	0	0	1	28	0	0	21	569	1	14	11.66	7.78	0.00	3.89	0.0	158.0
TOTAL **		8850	1	12	0.43	0.27	0.47	409	0	1	12	4	84	160	622	199	1664	16	175	5.85	1.90	0.27	3.95	14.1	37.6
GLASS EDGE																									
WORKS NO.	20	422	0	1	0.55	0.47	0.15	11	0	0	1	0	2	0	47	0	83	0	5	3.31	0.95	0.47	2.37	22.3	39.3
WORKS NO.	21	484	0	2	0.30	0.83	0.18	21	0	0	2	0	2	0	42	0	42	0	7	3.72	0.83	0.83	2.89	17.3	17.3
TOTAL **		906	0	3	0.39	0.66	0.17	32	0	0	3	0	4	0	89	0	125	0	12	3.53	0.88	0.66	2.65	19.6	27.6
ENVIRON GL																									
WORKS NO.	5	1240	0	1	0.40	0.16	0.64	148	0	0	1	0	8	5	55	78	292	1	23	5.00	1.29	0.16	3.71	8.9	47.1
TOTAL **		1240	0	1	0.40	0.16	0.64	148	0	0	1	0	8	5	55	78	292	1	23	5.00	1.29	0.16	3.71	8.9	47.1
TOTAL **		10997	1	16	0.42	0.29	0.46	590	0	1	16	4	96	165	766	277	2081	17	210	5.57	1.75	0.29	3.82	13.9	37.8
SALES-DST C & S																									
CCG		1619	4	41	3.76	5.06	3.27	0	0	4	41	4	41	335	22	335	22	5	82	15.19	5.06	5.06	10.13	2.7	2.7
WORKS NO.	19	273	1	4	1.42	2.92	2.44	3	0	1	4	1	4	42	93	42	93	1	5	6.58	2.92	2.92	3.66	68.0	68.0
EASTERN BR.		858	0	6	0.76	1.40	1.07	1210	0	0	6	0	6	43	86	43	86	0	18	5.59	1.40	1.40	4.19	20.0	20.0
ARG CENTERS		384	0	2	0.83	1.04	3.00	0	0	0	2	0	2	0	29	0	29	0	2	2.08	1.04	1.04	1.04	15.1	15.1
CENTRAL BR.		762	0	13	1.05	3.41	2.80	0	0	0	13	0	13	224	597	224	597	2	23	9.44	3.41	3.41	6.03	56.6	156.6
WESTERN BR.		1341	1	11	1.12	1.64	1.01	0	0	1	11	1	11	106	231	106	236	1	79	13.42	1.64	1.64	11.78	34.4	35.2
FAB. PKOD.		436	1	8	2.70	3.67	6.96	0	0	1	8	1	9	27	189	27	192	3	56	29.79	4.13	3.67	25.67	86.6	88.0
METAL FAB.		156	0	0	1.42	0.00	2.70	0	0	0	0	0	0	0	0	0	0	2	2.56	0.00	0.00	2.56	0.0	0.0	
TOTAL **		5832	7	85	1.54	2.91	2.08	1214	0	7	85	7	86	777	1247	777	1255	12	267	12.11	2.95	2.91	9.16	42.8	43.0
TOTAL **		5832	7	85	1.54	2.91	2.08	1214	0	7	85	7	86	777	1247	777	1255	12	267	12.11	2.95	2.91	9.16	42.8	43.0
TOTAL **		16829	8	101	0.80	1.20	0.94	1805	0	8	101	11	182	942	2013	1054	3336	29	477	7.83	2.16	1.20	5.67	23.9	39.6

DTH = DEATH
RC = RECORDABLE CASES

AW = AWAY FROM WORK
AWDL = AWAY FROM WORK DAYS

LW = LOST WORKDAY
IDL = TOTAL DAYS LOST

NF = NON FATAL
NSC = NATIONAL SAFETY COUNCIL

SL 103200

SL 103201

PPG INDUSTRIES INC.
SAFETY SYSTEM
RECORDABLE WORK INJURY/ILLNESS REPORT
DECEMBER 1980

ALL TIME DIVISIONAL RECORD
DAYS- 2,864 HARMARVILLE
HOURS- 8,447,386 WORKS NO. 7

GLASS GROUP

		HRS YTD (000)	HSC CASES MO YR	***** GOAL	HSC RATE CURR	***** 3 YR	COST D YTD T (000) H.	MO	AW YR	LW MO	CASES TOTAL YR	***** MO	DAYS AW YR	LOST MO	***** TOTAL YR	HF CASES MO YR	***** RC	INCIDENCE LW	RATES AW	***** NF	***** AWDL	***** TDL	
AUTO AIR GL DIV																							
MANUFACTURE																							
AUTO OEM																							
WORKS NO. 1	1591	0	3	0.27	0.38	0.24	106 0	0	3	0	8	22	153	22	292	3	48	7.04	1.01	0.38	6.03	19.2	36.7
WORKS NO. 25	983	1	4	0.42	0.81	0.59	198 0	1	4	1	20	46	94	56	316	1	13	6.71	4.07	0.81	2.64	19.1	64.2
WORKS NO. 26	1828	0	1	0.00	0.11	0.16	40 0	0	1	0	3	18	213	18	223	1	12	1.64	0.33	0.11	1.31	23.3	24.4
WORKS NO. 27	1335	0	4	0.36	0.60	0.33	45 0	0	4	0	8	50	244	50	282	0	8	2.40	1.20	0.60	1.20	36.5	42.2
WORKS NO. 28	186	0	0	1.33	0.00	0.00	0 0	0	0	0	0	0	0	0	0	0	2	2.15	0.00	0.00	2.15	0.0	0.0
TOTAL **	5925	1	12	0.28	0.41	0.28	390 0	1	12	1	39	136	704	146	1113	5	83	4.12	1.32	0.41	2.80	23.8	37.6
AIRCRAFT																							
WORKS NO. 22	1263	1	1	0.33	0.16	0.27	1 0	1	1	1	2	32	32	32	37	0	0	0.32	0.32	0.16	0.00	5.1	5.9
WORKS NO. 23	200	0	0	0.84	0.00	0.00	4 0	0	0	0	0	0	0	0	0	1	3	2.99	0.00	0.00	2.99	0.0	0.0
WORKS NO. 24	505	0	0	0.67	0.00	1.57	70 0	0	0	0	0	0	0	0	0	0	14	5.53	0.00	0.00	5.53	0.0	0.0
TOTAL **	1970	1	1	0.48	0.10	0.53	77 0	1	1	1	2	32	32	32	37	1	17	1.93	0.20	0.10	1.73	3.2	3.8
TOTAL **	7896	2	13	0.33	0.33	0.34	467 0	2	13	2	41	168	736	178	1150	6	100	3.57	1.04	0.33	2.53	18.6	29.1
SALES-DST																							
ARG DEPOTS																							
201	0	0	0	1.08	0.00	0.33	0 0	0	0	0	0	0	0	0	0	0	1	0.99	0.00	0.00	0.99	0.0	0.0
TOTAL **	201	0	0	1.08	0.00	0.33	0 0	0	0	0	0	0	0	0	0	0	1	0.99	0.00	0.00	0.99	0.0	0.0
TOTAL **	8098	2	13	0.35	0.32	0.34	467 0	2	13	2	41	168	736	178	1150	6	101	3.51	1.01	0.32	2.49	18.2	28.4
R & D																							
HAKMARVILLE																							
841	0	0	0	0.24	0.00	0.09	1 0	0	0	0	0	0	0	0	0	0	9	2.14	0.00	0.00	2.14	0.0	0.0
TOTAL **	841	0	0	0.24	0.00	0.09	1 0	0	0	0	0	0	0	0	0	0	9	2.14	0.00	0.00	2.14	0.0	0.0
TOTAL **	841	0	0	0.27	0.00	0.09	1 0	0	0	0	0	0	0	0	0	0	9	2.14	0.00	0.00	2.14	0.0	0.0
GROUP TOTAL **	25768	10	114	0.64	0.88	0.73	2274 0	10	114	13	223	1110	2749	1232	4486	35	587	6.29	1.73	0.88	4.56	21.3	34.8

DTIH = DEATH
RC = RECORDABLE CASES

AW = AWAY FROM WORK
AWDL = AWAY FROM WORK DAYS

LW = LOST WORKDAY
TDL = TOTAL DAYS LOST

NF = NON FATAL
NSC = NATIONAL SAFETY COUNCIL

PPG INDUSTRIES INC.
SAFETY SYSTEM
RECORDABLE WORK INJURY/ILLNESS REPORT
DECEMBER 1980

ALL TIME DIVISIONAL RECORD
DAYS- 3,353 BARBERTON
HOURS- 5,291,265 CARIBE

CHEMICAL GROUP ALL OPER.

	HRS YTD (000)	HSC CASES MO YR	***** GOAL	HSC RATE CURR	***** 3 YR	COST D YTD T (000) H	LW AW MO YR	CASES NO YR	***** TOTAL YR	DAYS AW MO YR	LOST MO YR	***** TOTAL YR	HF CASES MO YR	***** INCIDENCE RATES RC LW AW HF AWDL TDL
MANUFACTURE														
BARBERTON	1871	0 3	0.32	0.32	0.17	132 0	0 3	5 62	0 146	314	1252	4 60	13.04 6.62 0.32 6.41 15.6133.8	
BEAUMONT	362	1 1	1.33	0.55	2.42	38 0	1 1	1 22	12 12	35	251	0 4	14.33 12.13 0.55 2.21 6.6138.4	
BEAUMONT	870	0 6	0.20	1.38	0.39	73 0	0 6	4 39	259 531	479	1197	0 5	10.10 8.96 1.38 1.15 21.9274.9	
KALUM	371	0 2	0.55	1.08	0.00	10 0	0 2	0 2	0 100	0	126	0 2	2.15 1.08 1.08 1.08 53.8 67.8	
LA PORTE	184	0 1	0.96	1.09	5.55	22 0	0 1	0 9	0 3	0	90	1 5	15.19 9.77 1.09 5.43 3.3 97.7	
LAKE CHARLES	4257	0 13	0.18	0.61	0.31	236 0	0 13	5 53	69 670	92	1449	3 46	4.65 2.49 0.61 2.16 31.5 68.1	
HATRIUM	1631	0 2	0.25	0.25	0.49	112 0	0 2	0 8	84 329	84	508	0 3	1.35 0.98 0.25 0.37 40.3 62.3	
STOCKERTONH	70	0 0	2.50	0.00	2.74	0 0	0 0	0 0	0 0	0	0	0 2	5.68 0.00 0.00 5.68 0.0 0.0	
WOODWARD	45	0 0	4.22	0.00	1.34	0 0	0 0	0 0	0 0	0	0	0 0	0.00 0.00 0.00 0.00 0.0 0.0	
TOTAL **	9667	1 28	0.32	0.58	0.43	625 0	1 28	15 195	424 1791	1004	4873	8 127	6.66 4.03 0.58 2.63 37.1100.8	
R & D														
BARBERTON	464	0 0	0.00	0.00	0.00	0 0	0 0	0 1	0 0	0	3	0 1	0.86 0.43 0.00 0.43 0.0 1.3	
CHICAGO	162	0 0	0.00	0.00	2.41	0 0	0 0	0 0	0 0	0	0	0 1	2.47 0.00 0.00 2.47 0.0 0.0	
CORPUS CHRIS	260	0 0	0.00	0.00	0.27	0 0	0 0	0 0	0 0	0	0	0 2	1.54 0.00 0.00 1.54 0.0 0.0	
TOTAL **	887	0 0	0.00	0.00	0.27	0 0	0 0	0 1	0 0	0	3	1 5	1.35 0.23 0.00 1.13 0.0 0.7	
SALES														
SLS-DST														
STANCHEN	282	0 0	0.00	0.00	1.69	15 0	0 0	0 1	0 0	0	1	0 0	0.71 0.71 0.00 0.00 0.0 0.7	
US SLS-DST	344	0 0	0.15	0.00	0.33	0 0	0 0	0 0	0 0	0	0	0 0	0.00 0.00 0.00 0.00 0.0 0.0	
CARIBE	40	0 0	0.00	0.00	0.00	0 0	0 0	0 0	0 0	0	0	0 0	0.00 0.00 0.00 0.00 0.0 0.0	
TOTAL **	666	0 0	0.00	0.00	0.48	15 0	0 0	0 1	0 0	0	1	0 0	0.30 0.30 0.00 0.00 0.0 0.3	
GROUP TOTAL **	11221	1 28	0.28	0.50	0.43	640 0	1 28	15 197	424 1791	1004	4877	9 132	5.86 3.51 0.50 2.35 31.9 86.9	

DTH = DEATH
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HF = NON FATAL
NSC = NATIONAL SAFETY COUNCIL

SL 103202

PPG INDUSTRIES INC.
SAFETY SYSTEM
RECORDABLE WORK INJURY/ILLNESS REPORT
DECEMBER 1980

ALL TIME DIVISIONAL RECORD
DAYS- 3,353 BARBERTON
HOURS- 4,509,787 BARBERTON

CHEMICAL DIVISION US OPER.

	HRS YTD (000)	NSC CASES MO YR	***** GOAL	NSC RATE CURR	***** 3 YR	COST D YTD T (000) H.MO	XX AW YR	LW YR	CASES MO YR	XX TOTAL YR	XX AW YR	DAYS MO YR	LOST MO YR	XXXX TOTAL YR	HF CASES MO YR	***** RC	INCIDENCE LW	RATES AW	***** HF	***** AWDL	***** TDL
MANUFACTURE																					
BARBERTON	1871	0 3	0.32	0.32	0.17	132 0	0	3	5	62	0	146	314	1252	4	60	13.04	6.62	0.32	6.41	15.6133.8
BEAUMONT	870	0 6	0.20	1.38	0.39	73 0	0	6	4	39	259	531	479	1197	0	5	10.10	8.96	1.38	1.15	21.9274.9
LAKE CHARLES	4257	0 13	0.18	0.61	0.31	236 0	0	13	5	53	69	670	92	1449	3	46	4.65	2.49	0.61	2.16	31.5 68.1
NATRIUM	1631	0 2	0.25	0.25	0.49	112 0	0	2	0	8	84	329	84	508	0	3	1.35	0.98	0.25	0.37	40.3 62.3
WOODWARD	45	0 0	4.22	0.00	1.34	0 0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.0 0.0
TOTAL **	8677	0 24	0.20	0.55	0.33	554 0	0	24	14	162	412	1676	969	4406	7	114	6.36	3.73	0.55	2.63	38.6101.5
R & D																					
BARBERTON	464	0 0	0.00	0.00	0.00	0 0	0	0	0	1	0	0	0	3	0	1	0.86	0.43	0.00	0.43	0.0 1.3
CORPUS CHRIS	260	0 0	0.00	0.00	0.27	0 0	0	0	0	0	0	0	0	0	0	2	1.54	0.00	0.00	1.54	0.0 0.0
TOTAL **	725	0 0	0.00	0.00	0.10	0 0	0	0	0	1	0	0	0	3	0	3	1.10	0.28	0.00	0.83	0.0 0.8
SALES																					
US SLS-DST	344	0 0	0.15	0.00	0.33	0 0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.0 0.0
TOTAL **	344	0 0	0.00	0.00	0.33	0 0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.0 0.0
DIV TOTAL **	9747	0 24	0.25	0.49	0.31	554 0	0	24	14	163	412	1676	969	4409	7	117	5.75	3.34	0.49	2.40	34.4 90.5

DTH = DEATH
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TDL = TOTAL DAYS LOST

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NSC = NATIONAL SAFETY COUNCIL

SL 103203

PPG INDUSTRIES INC.
SAFETY SYSTEM
RECORDABLE WORK INJURY/ILLNESS REPORT
DECEMBER 1980

ALL TIME DIVISIONAL RECORD
DAYS- 2,414 CARIBE
HOURS- 5,172,172 CARIBE

CHEMICAL DIVISION INHATL OPER

	HRS YTD (000)	NSC CASES MO YR	***** GOAL	NSC RATE CURR	***** 3 YR	COST D YTD T (000) H.	D T MO	** AW	LW YR	CASES MO	** TOTAL YR	*** AW MO	DAYS YR	LOST MO	**** TOTAL YR	NF CASES MO YR	***** RC	INCIDENCE LW	RATES AW	***** NF	AWDL	TDI	
MANUFACTURE																							
BEAUMHARNOIS	362	1	1	1.33	0.55	2.42	38	0	1	1	1	22	12	12	35	251	0	4	14.33	12.13	0.55	2.21	6.6138.4
KALTON	371	0	2	0.55	1.08	0.00	10	0	0	2	0	2	0	100	0	126	0	2	2.15	1.08	1.08	1.08	53.8 67.8
TOTAL **	734	1	3	0.90	0.82	1.16	48	0	1	3	1	24	12	112	35	377	0	6	8.17	6.53	0.82	1.63	30.5102.6
SALES																							
SLS-DST																							
STANCHEN	282	0	0	0.00	0.00	1.69	15	0	0	0	0	1	0	0	0	1	0	0	0.71	0.71	0.00	0.00	0.0 0.7
CARIBE	40	0	0	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.0 0.0	
TOTAL **	322	0	0	0.00	0.00	0.52	15	0	0	0	0	1	0	0	0	1	0	0	0.62	0.62	0.00	0.00	0.0 0.6
DIV TOTAL **	1056	1	3	0.58	0.57	0.79	63	0	1	3	1	25	12	112	35	378	0	6	5.87	4.73	0.57	1.14	21.2 71.5

DTI = DEATH
RC = RECORDABLE CASES

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AWDL = AWAY FROM WORK DAYS

LW = LOST WORKDAY
TDI = TOTAL DAYS LOST

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NSC = NATIONAL SAFETY COUNCIL

SL 103204

PPG INDUSTRIES INC.
SAFETY SYSTEM
RECORDABLE WORK INJURY/ILLNESS REPORT
DECEMBER 1980

ALL TIME DIVISIONAL RECORD
DAYS- 0
HOURS- 0

CHEM DIV US-SPEC PRODUCTS UNIT

	HRS YTD (000)	NSC CASES MO	NSC YR	***** GOAL	NSC RATE CURR	***** 3 YR	COST D YTD T (000)	D H.	MO	** AW	LW YR	CASES TOTAL MO	** TOTAL YR	*** AW MO	DAYS YR	LOST MO	**** TOTAL YR	NF CASES MO	YR	***** RC	INCIDENCE LW	RATES AW	***** NF	***** AWDL	***** TDL	
MANUFACTURE LA PORTE	184	0	1	0.96	1.09	5.55	22	0	0	1	0	9	0	3	0	90	1	5	15.19	9.77	1.09	5.43	3.3	97.7		
STOCKERTOWN	70	0	0	2.50	0.00	2.74	0	0	0	0	0	0	0	0	0	0	0	2	5.68	0.00	0.00	5.68	0.0	0.0		
TOTAL **	254	0	1	0.00	0.79	4.74	22	0	0	1	0	9	0	3	0	90	1	7	12.56	7.07	0.79	5.50	2.4	70.7		
R & D CHICAGO	162	0	0	0.00	0.00	2.41	0	0	0	0	0	0	0	0	0	0	0	1	2	2.47	0.00	0.00	2.47	0.0	0.0	
TOTAL **	162	0	0	0.00	0.00	2.41	0	0	0	0	0	0	0	0	0	0	0	1	2	2.47	0.00	0.00	2.47	0.0	0.0	
DIV TOTAL **	416	0	1	0.00	0.48	3.82	22	0	0	1	0	9	0	3	0	90	2	9	8.63	4.32	0.48	4.32	1.4	43.2		

DTH = DEATH
RC = RECORDABLE CASES

AW = AWAY FROM WORK
AWDL = AWAY FROM WORK DAYS

LW = LOST WORKDAY
TDL = TOTAL DAYS LOST

NF = NON FATAL
NSC = NATIONAL SAFETY COUNCIL

SL 103205

— 35 —

ALL TIME DIVISIONAL RECORD
DAYS- 0
HOURS- 0

	HRS YTD (000)	NFC CASES MO	NFC YR	GOAL	NFC RATE CURR	3 YR	COST D YTD T (000)	NFC H.MO	NFC YR	LW MO	CASES TOTAL YR	NFC H.MO	NFC YR	DAYS LOST MO	NFC TOTAL YR	NFC CASES MO	NFC YR	RC	LW	AW	NFC H.MO	NFC YR	TOL
MANUFACTURE																							
BALTIMORE	400	0	1	0.51	0.50	0.93	20 0 0	1	0	0	1	0	23	0	23	0	6	3.49	0.50	0.50	2.99	11.5	11.5
CIRCEVILLE	408	0	0	0.47	0.00	0.56	19 0 0	0	0	0	0	0	0	0	0	1	7	3.43	0.00	0.00	3.43	0.0	0.0
CLARKSON	460	0	2	0.76	0.87	1.25	3 0 0	2	0	2	2	0	21	0	21	1	8	4.34	0.87	0.87	3.47	9.1	9.1
CLEVELAND	1090	0	0	0.17	0.00	0.13	18 0 0	0	0	0	2	0	0	0	48	0	7	1.65	0.37	0.00	1.28	0.0	8.8
DELAWARE	890	0	0	0.00	0.00	0.16	24 0 0	0	1	2	2	0	0	12	15	0	7	2.02	0.45	0.00	1.57	0.0	3.4
DOVER	200	0	1	1.04	1.00	1.73	1 0 0	1	0	1	1	0	40	0	40	0	2	3.00	1.00	1.00	2.00	40.0	40.0
EAST POINT	500	0	0	0.38	0.00	0.39	20 0 0	0	0	0	1	0	0	0	5	1	11	4.79	0.40	0.00	4.39	0.0	2.0
HOUSTON	381	0	2	0.57	1.05	0.51	29 0 0	2	0	3	3	0	25	0	31	0	5	4.20	1.57	1.05	2.62	13.1	16.3
OAK CREEK	1023	0	4	0.35	0.78	0.98	53 1 0	3	3	13	13	0	65	107	264	0	4	3.52	2.54	0.59	0.78	12.7	51.6
RAD. POLYMER	68	0	0	0.00	0.00	0.79	0 0 0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.0	0.0
SPRINGDALE	652	0	0	0.31	0.00	0.30	22 0 0	0	0	2	2	0	0	0	10	0	8	3.06	0.61	0.00	2.45	0.0	3.1
TORONTO	281	0	2	2.08	1.42	2.25	10 0 0	2	0	2	2	0	17	0	17	0	6	5.68	1.42	1.42	4.26	12.1	12.1
TORRANCE	415	1	4	1.09	1.92	2.33	179 0 1	4	1	20	20	64	100	93	217	0	7	12.99	9.62	1.92	3.37	48.1	104.4
TOTAL **	6775	1	16	0.58	0.47	0.73	403 1 1	15	5	49	49	64	291	212	691	3	78	3.78	1.45	0.44	2.30	8.6	20.4
R & D																							
ALL LOC.	1101	0	0	0.18	0.00	0.49	19 0 0	0	0	5	5	0	0	0	28	1	11	2.90	0.91	0.00	2.00	0.0	5.1
TOTAL **	1101	0	0	0.18	0.00	0.49	19 0 0	0	0	5	5	0	0	0	28	1	11	2.90	0.91	0.00	2.00	0.0	5.1
SALES-DST																							
REGIONS																							
ATLANTA	533	0	2	0.00	0.75	0.00	0 0 0	2	0	2	2	0	14	0	14	1	6	3.00	0.75	0.75	2.25	5.3	5.3
CANADA REGN.	161	0	0	0.00	0.00	0.00	0 0 0	0	0	0	0	0	0	0	0	0	2	2.48	0.00	0.00	2.48	0.0	0.0
CHICAGO	325	0																					

100

DIH = DEATH

AW = AWAY FROM WORK

LW = LOST WORKDAY

NF = NON FATAL

SI 103207

PPG INDUSTRIES INC.
SAFETY SYSTEM
RECORDABLE WORK INJURY/ILLNESS REPORT
DECEMBER 1980

ALL TIME DIVISIONAL RECORD
DAYS- 3,773
HOURS- 4,948,617 DELAWARE

COATINGS & RESINS DIV US OPER.

	HRS YTD (000)	NSC CASES MO YR	***** GOAL	NSC RATE CURR	***** 3 YR	COST D YTD T	** H-MO	LW YR MO	CASES TOTAL YR	** MO	DAYS AW YR	LOST MO	***** TOTAL YR	NF CASES MO YR	***** RC	INCIDENCE LW	RATES AW	***** NF	AWDL	TDL
MANUFACTURE																				
BALTIMORE	400	0 1	0.51	0.50	0.93	20 0	0 0	1 0	1 0	0 23	0 23	0 23	0 6	3.49	0.50	0.50	2.99	11.5	11.5	
CIRCLEVILLE	408	0 0	0.47	0.00	0.56	19 0	0 0	0 0	0 0	0 0	0 0	0 1	7 3.43	0.00	0.00	3.43	0.0	0.0		
CLEVELAND	1090	0 0	0.17	0.00	0.13	18 0	0 0	0 0	2 0	0 0	0 48	0 7	1.65	0.37	0.00	1.28	0.0	8.8		
DELAWARE	890	0 0	0.00	0.00	0.16	24 0	0 0	0 1	2 0	0 12	0 15	0 7	2.02	0.45	0.00	1.57	0.0	3.4		
DOVER	200	0 1	1.04	1.00	1.73	1 0	0 1	0 0	1 0	0 40	0 40	0 2	3.00	1.00	1.00	2.00	40.0	40.0		
EAST POINT	500	0 0	0.38	0.00	0.39	20 0	0 0	0 0	1 0	0 0	0 5	1 11	4.79	0.40	0.00	4.39	0.0	2.0		
HOUSTON	381	0 2	0.57	1.05	0.51	29 0	0 2	0 0	3 0	0 25	0 31	0 5	4.20	1.57	1.05	2.62	13.1	16.3		
OAK CREEK	1023	0 4	0.35	0.78	0.98	53 1	0 3	3 3	13 0	0 65	107 264	0 4	3.52	2.54	0.59	0.78	12.7	51.6		
RAD. POLYMER	68	0 0	0.00	0.00	0.79	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0.00	0.00	0.00	0.00	0.0	0.0		
SPRINGDALE	652	0 0	0.31	0.00	0.30	22 0	0 0	0 0	2 0	0 0	0 10	0 8	3.06	0.61	0.00	2.45	0.0	3.1		
TORRANCE	415	1 4	1.09	1.92	2.33	179 0	1 4	1 1	20 64	100 93	217 217	0 7	12.99	9.62	1.92	3.37	48.1	104.4		
TOTAL **	6032	1 12	0.49	0.40	0.66	389 1	1 11	5 45	64 253	212 653	2 64	2 64	3.65	1.49	0.36	2.12	8.4	21.6		
R & D																				
ALL LOC.	1101	0 0	0.18	0.00	0.49	19 0	0 0	0 0	5 0	0 0	0 28	1 11	2.90	0.91	0.00	2.00	0.0	5.1		
TOTAL **	1101	0 0	0.18	0.00	0.49	19 0	0 0	0 0	5 0	0 0	0 28	1 11	2.90	0.91	0.00	2.00	0.0	5.1		
SALES-DST																				
REGIONS																				
ATLANTA	533	0 2	0.00	0.75	0.00	0 0	0 2	0 0	2 0	0 14	0 14	1 6	3.00	0.75	0.75	2.25	5.3	5.3		
CHICAGO	325	0 1	0.00	0.62	0.21	0 0	0 1	0 0	1 0	0 2	0 2	0 4	3.08	0.62	0.62	2.46	1.2	1.2		
HOUSTON	456	0 0	0.00	0.00	0.49	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0.44	0.00	0.00	0.44	0.0	0.0		
LOS ANGELES	258	0 2	0.00	1.55	1.56	25 0	0 2	0 0	4 0	0 13	0 28	1 7	8.50	3.09	1.55	5.41	10.0	21.6		
NEW YORK	368	0 3	0.00	1.63	0.60	0 0	0 3	0 0	3 0	0 12	0 12	0 4	3.80	1.63	1.63	2.17	6.5	6.5		
PITTSBURGH	288	0 3	0.00	2.08	0.43	0 0	0 3	0 0	4 41	52 41	87 87	0 0	2.77	2.77	2.08	0.00	36.0	60.3		
ST. LOUIS	259	0 0	0.00	0.00	0.90	0 0	0 0	0 0	0 0	0 0	0 0	1 2	1.54	0.00	0.00	1.54	0.0	0.0		
TOTAL **	2490	0 11	0.48	0.88	0.66	26 0	0 11	0 14	41 93	41 143	3 24	3 24	3.05	1.12	0.88	1.93	7.5	11.5		
DST																				
DIST CENTERS	196	0 0	2.05	0.00	2.60	0 0	0 0	0 0	1 0	0 0	0 1	0 7	8.15	1.02	0.00	7.13	0.0	1.0		
DITZLER WHSE	257	0 0	0.77	0.00	0.00	0 0	0 0	0 0	2 0	0 0	0 13	0 4	4.66	1.55	0.00	3.11	0.0	10.1		
INDL. SALES	291	0 0	0.00	0.00	0.00	0 0	0 0	0 0	0 0	0 0	0 0	0 1	0.69	0.00	0.00	0.69	0.0	0.0		
REFINISH SLS	258	0 0	2.04	0.00	1.09	14 0	0 0	0 0	1 0	0 0	0 7	0 0	0.77	0.77	0.00	0.00	0.0	5.4		
TOTAL **	1003	0 0	1.05	0.00	0.82	14 0	0 0	0 0	4 0	0 0	0 21	0 12	3.19	0.80	0.00	2.39	0.0	4.2		
TOTAL **	3493	0 11	0.63	0.63	0.72	40 0	0 11	0 18	41 93	41 164	3 36	3 36	3.09	1.03	0.63	2.06	5.3	9.4		
DIV TOTAL **	10627	1 23	0.53	0.43	0.66	449 1	1 22	5 68	105 346	253 845	6 111	6 111	3.39	1.28	0.41	2.09	6.5	15.9		

DTH = DEATH
RC = RECORDABLE CASES

AW = AWAY FROM WORK
AWDL = AWAY FROM WORK DAYS

LW = LOST WORKDAY
TDL = TOTAL DAYS LOST

NF = NON FATAL
NSC = NATIONAL SAFETY COUNCIL

PPG INDUSTRIES INC.
SAFETY SYSTEM
RECORDABLE WORK INJURY/ILLNESS REPORT
DECEMBER 1980

ALL TIME DIVISIONAL RECORD
DAYS- 0
HOURS- 0

COATINGS & RESINS DIV CAN OPER

	HRS YTD (000)	NSC CASES MO YR	***** GOAL	NSC RATE CURR	***** 3 YR	COST D YTD T (000) H. MO	** AW	LW YR	CASES TOTAL YR	** AW	*** DAYS YR	LOST TOTAL YR	**** TOTAL YR	NF CASES MO YR	***** RC	INCIDENCE LW	RATES AW	***** HF	***** AWDL	***** TDL				
MANUFACTURE CLARKSON TORONTO	460 281	0 0	2 2	0.76 2.08	0.87 1.42	1.25 2.25	3 10	0 0	2 2	0 0	2 2	0 0	21 17	0 0	21 17	1 0	8 6	4.34 5.68	0.87 1.42	0.87 1.42	3.47 4.26	9.1 12.1	9.1 12.1	
TOTAL **	742	0	4	1.23	1.08	1.61	14	0	0	4	0	4	0	38	0	38	1	14	4.85	1.08	1.08	3.77	10.2	10.2
SALES-DST REGIONS CANADA REGN.	161	0	0	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0	2	2	2.48	0.00	0.00	2.48	0.0	0.0	
TOTAL **	161	0	0	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0	2	2	2.48	0.00	0.00	2.48	0.0	0.0	
DST DST CTR CAN	81	1	1	2.30	2.46	0.00	1	0	1	1	1	1	33	33	33	33	0	2	7.38	2.46	2.46	4.92	81.2	81.2
TOTAL **	81	1	1	2.30	2.46	0.00	1	0	1	1	1	1	33	33	33	33	0	2	7.38	2.46	2.46	4.92	81.2	81.2
TOTAL **	242	1	1	0.83	0.82	0.00	1	0	1	1	1	1	33	33	33	33	0	4	4.12	0.82	0.82	3.29	27.2	27.2
DIV TOTAL **	985	1	5	1.14	1.01	1.39	15	0	1	5	1	5	33	71	33	71	1	18	4.67	1.01	1.01	3.65	14.4	14.4

DTH = DEATH
RC = RECORDABLE CASES

AW = AWAY FROM WORK
AWDL = AWAY FROM WORK DAYS

LW = LOST WORKDAY
TDL = TOTAL DAYS LOST

NF = NON FATAL
NSC = NATIONAL SAFETY COUNCIL

SL 103208

PPG INDUSTRIES INC.
SAFETY SYSTEM
RECORDABLE WORK INJURY/ILLNESS REPORT
DECEMBER 1980

ALL TIME DIVISIONAL RECORD
DAYS- 2,905 R & D
HOURS- 5,648,798 WORKS NO. 52

FIBERGLASS DIVISION

	HRS YTD	NSC CASES	GOAL	NSC RATE	3 YR	COST D YTD T	AW	LW	CASES TOTAL	AW	DAYS TOTAL	LOST TOTAL	NF CASES	INCIDENCE RC	RATES LW	AW	NF	ANDL	TDL					
	(000)	MO	YR			(000)	MO	YR	MO	YR	MO	YR	MO	YR										
MANUFACTURE																								
WORKS NO. 52	2538	0	4	0.12	0.32	0.29	86	0	0	4	9	83	60	252	189	942	4	32	9.06	6.54	0.32	2.52	19.9	74.2
WORKS NO. 53	3214	0	0	0.14	0.00	0.12	49	0	0	0	8	78	0	0	150	875	3	47	7.78	4.85	0.00	2.92	0.0	56.4
WORKS NO. 56	19	0	0	0.00	0.00	0.00	3	0	0	0	0	0	0	0	0	0	0	1	10.12	0.00	0.00	10.12	0.0	0.0
GRTL	51	0	0	0.00	0.00	0.51	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.0	0.0
TOTAL **	5824	0	4	0.13	0.14	0.21	140	0	0	4	17	161	60	252	339	1817	7	80	8.28	5.53	0.14	2.75	8.7	62.4
R & D																								
ALL LOC.	606	0	0	0.00	0.00	0.21	0	0	0	0	0	1	0	0	0	5	0	4	1.65	0.33	0.00	1.32	0.0	1.6
TOTAL **	606	0	0	0.00	0.00	0.21	0	0	0	0	0	1	0	0	0	5	0	4	1.65	0.33	0.00	1.32	0.0	1.6
DIV TOTAL **	6430	0	4	0.11	0.12	0.21	140	0	0	4	17	162	60	252	339	1822	7	84	7.65	5.04	0.12	2.61	7.8	56.7

DTH = DEATH
RC = RECORDABLE CASES

AW = AWAY FROM WORK
ANDL = AWAY FROM WORK DAYS

LW = LOST WORKDAY
TDL = TOTAL DAYS LOST

NF = NON FATAL
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SL 103209

PPG INDUSTRIES INC.
SAFETY SYSTEM
RECORDABLE WORK INJURY/ILLNESS REPORT
DECEMBER 1980

ALL TIME DIVISIONAL RECORD
DAYS- 786 NEWTON
HOURS- 733,852 NEWTON

PLASTIC FAB DIVISION

		HRS	NSC	*****	NSC	*****	COST D	**	LW	CASES	**	***	DAYS	LOST	****	NF		***** INCIDENCE RATES *****							
		YTD	CASES		RATE		YTD T	AW		TOTAL		AW			TOTAL	CASES									
		(000)	MO	YR	GOAL	CURR	3 YR	(000)	H. MO	YR	MO	YR	MO	YR	MO	YR	RC	LW	AW	NF	AWDL	TDL			
MANUFACTURE																									
COLUMBUS PLS		168	0	2	0.00	2.38	0.68	7	0	0	2	0	2	0	76	0	76	0	3	5.94	2.38	2.38	3.56	90.3	90.3
COLUMBUS MLD		30	0	0	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.0	0.0	
NEWTON		331	0	0	0.00	0.00	0.19	0	0	0	0	0	0	0	0	0	1	0.60	0.00	0.00	0.60	0.0	0.0		
TOTAL **		530	0	2	0.00	0.75	0.47	8	0	0	2	0	2	0	76	0	76	0	4	2.26	0.75	0.75	1.51	28.6	28.6
DIV TOTAL **		530	0	2	0.00	0.75	0.47	8	0	0	2	0	2	0	76	0	76	0	4	2.26	0.75	0.75	1.51	28.6	28.6

DTH = DEATH

RC = RECORDABLE CASES

AW = AWAY FROM WORK

AWDL = AWAY FROM WORK DAYS

LW = LOST WORKDAY

TDL = TOTAL DAYS LOST

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SL 103210