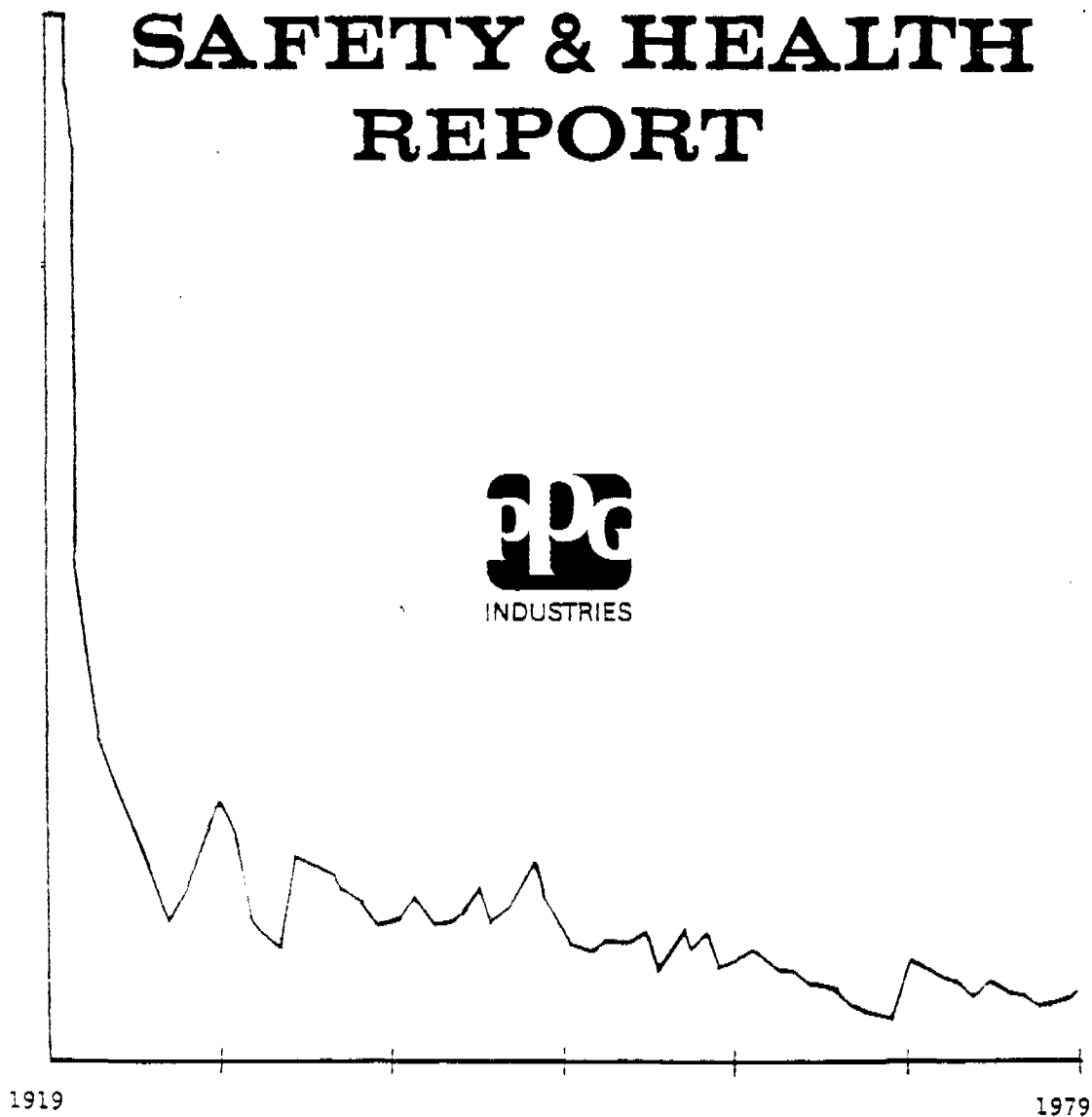


1979

ANNUAL SAFETY & HEALTH REPORT



ppc
INDUSTRIES

SL 103064

FOREWARD

This report is in three parts; the 1979 Report, 1979 Accomplishments, and a statistical review with charts.

Reporting are:

All the Corporation's U.S. Plants	42 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

This year the format of the Annual Report was changed and your comments are most welcome. Send these to H. Clark Underwood, Director, Safety and Health, General Office -14 West.

SL 103065

TABLE OF CONTENTS

Part I - 1979 Report "Sixty Years of Effort"

Overview	4
Goals	4
Direct Accident Cost Results and Analysis	4
Analysis of Disabling Injuries	5
Safety Awards (Corporate and National Safety Council)	5
OSHA Inspection Experience	7
Emerging Issues	7

Part II - 1979 Accomplishments

Corporate Safety and Health Accomplishments	10
Glass Group Safety and Health Accomplishments	15
Chemicals Group Safety and Health Accomplishments	16
Coatings & Resins Div. Safety and Health Accomplishments	17
Fiber Glass Division Safety and Health Accomplishments	19
Plastics Fabricating Division Safety and Health	22

Part III - Statistical Review with Charts

Definition of Terms and Formulas	24
Corporate History Chart of AW Incidence Rate	27
Direct Accident Costs and Charts	29
1979 Disabling Injury Cause & Classification Summaries	31
Disabling Injury Experience Charts by Group & Div.	35
Awards Summary	50
OSHA Inspection Experience	55
Visitation Matrix	57
Occupational Injury and Illness Report for 1979	59

SL 103066

PART I 1979 REPORT
"SIXTY YEARS OF EFFORT"

SL 103067

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 60 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 0.59. A closer examination of the experience of the last ten years also shows a trend downward from 1.0 disabling injury per 100 employees in 1969 to the 1979 experience of 0.59. (See rate chart on page 27.)

However, there are two trends which are of concern over the last three years. The total Corporation experience is up and the manufacturing segment of the business has been on a plateau.

<u>Year</u>	<u>Corporate NSC Incidence Rate</u>	<u>Corporate Goal</u>	<u>Mfg. Segment NSC Incidence Rate</u>	<u>Mfg. Goal</u>
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

GOALS

The record shows that the goals established for the total Corporation have not been achieved in any of the last ten years. 1979 was no exception with a goal of 0.43 and our experience at 0.59. The chart on page 60 shows the performance by month in 1979 and indicates that the total Corporation and the Manufacturing segment's experience were never near the established goals.

DIRECT ACCIDENT COSTS AND ANALYSIS

In 1979, PPG experienced in excess of \$3,100,000 in direct costs associated with industrial injuries and illnesses. This represented a jump of over \$900,000 compared to 1978 (see the summary and charts on Pages 29 and 30).

Of this total expenditure, the Glass Group accounted for 64-1/2% in 1979. An upward trend for the Glass Group has been noted; in 1977 60% of the Corporation's costs were incurred and in 1978 62%. Plastics Fabrication has also trended up from 1/2% in 1977 to 1% in 1979. The other groups and divisions varied over the same period, however, no definite trends can be delineated.

It should be borne in mind that the direct accident costs quoted represent only those costs reported on a monthly basis from locations. At the end

of each year, special reserves are set up to cover all open cases. For 1979, this amounted to an additional \$1,200,000. Excess insurance and administrative costs accounted for an additional \$1,362,000. The cost of claim handling and the cost of non-manufacturing claims was another \$1,000,000. As a result, the total monies either spent or set aside in 1979 for injuries and illnesses was \$6,675,000.

In 1979, \$14 of Sales had to be generated for each dollar of profit. On that basis, \$93,000,000 of sales were produced just to cover the cost of industrial injuries and illnesses.

Since 1972, the maximum weekly workmen's compensation benefits have increased 361%. However, our total outlay for injuries and illnesses has increased only 110%. The reason for this is an overall reduction in our accident injury incidence rates over the same period. However, unless the trend over the last three years is reversed, these costs can be expected to soar.

ANALYSIS OF 1979 DISABLING INJURIES

Unfortunately, PPG experienced a fatality in 1979. An employee was fatally injured in a fork truck accident associated with unloading a tractor trailer.

During the year, 178 PPG employees suffered disabling injuries which resulted in 5,876 days lost (See pages 32 and 33 for summaries.). For the total Corporation, "Strains and Sprains" accounted for the largest segment - 29%. (Of these, three fourths were Back injuries). "Falls" accounted for 20%, and "Struck By" injuries accounted for an additional 20%.

The manufacturing segment of the business accounted for 88 of the Corporation's 178 disabling injuries. The same approximate distribution in the type of injury was noted with only slightly more Back Injuries and fewer Falls.

The 38 disabling back injuries we experienced accounted for 1,474 days of lost work. See breakdown on page 34. As noted on this summary, the incidence of these cases is spread very evenly across the corporation's locations.

1979 also produced 5 Hernias. These, together with the back cases, give a rough indication of the problem the corporation has with materials handling.

687 additional injury or illness cases were experienced that did not require time away from work, but did result in some restriction which precluded the employee from performing his regularly scheduled work. These cases resulted in 10,243 days of "Restricted Activity."

SAFETY AWARDS

PPG Industries, Inc. Corporate Award Program

On the brighter side, several of the corporation's locations achieved significant safety and health records. The PPG Award of Honor was presented to 22 reporting units, which completed the calendar year 1979 without a death or a disabling injury. Nine of these units have achieved this distinction for two or more years. Of note were: the Barberton Technical Center's 17th consecutive year, the Ditzler Warehouse's seventh consecutive year, and the C&R Industrial Sales Unit's sixth consecutive year (see chart on page 51).

The PPG Award of Merit was presented to 5 locations in 1979 for their performance in 1978. This award recognizes significant safety achievement for locations not eligible for the Award of Honor. In addition, 10 locations have applied in 1980 for consideration of the Award of Merit for their performance in 1979.

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 order of increasing difficulty to achieve:

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

Congratulations are extended to Lower Burrell (GRTL) for operating 1,880 days through February 13, 1979, and to Shelby, North Carolina, for operating 345 days through July 27, 1979. Both locations achieved the Special Recognition Award for operating without a death or disabling injury in their respective time periods.

Four locations achieved the Executive Award for safe operation. No deaths or disabling injuries were experienced by Works #23, Creighton, Pennsylvania, 965 days through July 9, 1979, Corpus Christi, Texas, 688 days through April 29, 1979. Works #27, Tipton, Pennsylvania, 412 days through December 12, 1979, and Lexington, North Carolina, 182 days through October 2, 1979.

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 to individual locations. During 1979, PPG Industries, Inc. received the National Safety Council's highest award, the Award of Honor, for our total corporate performance in 1978. This is the seventh time in 15 years we have received this coveted award. Previously we received the award in 1976, 1975, 1974, 1972, 1965, 1964. In addition, 22 individual locations achieved National Safety Council recognition. (See page 54 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 26, Crestline, Ohio, in 1979, for their performance in 1978. Crestline operated 427,000 miles and a complete year without experiencing an accident of any kind. In addition, the Crestline fleet took third place in the Private Truck Division, Small Fleet Group of the National Safety Council Fleet Safety Contest.

Also of note was the fleet at Tipton, Pennsylvania, which won the Private Truck Council's Silver Seal Award and the Hartford C&S Branch fleet that won a Perfect Record Plaque in the National Safety Council Fleet Safety Contest. Both awards were for 1978 performance.

OSHA INSPECTION EXPERIENCE

During 1979, Occupational Safety and Health Administration compliance officers conducted 56 inspections at PPG locations. (See charts on pages 55 and 56). Of significance is the fact that 22 of these, or 37% of the corporation's inspection activity, occurred in the C&S Department of the Glass Group. This is in line with our experience since OSHA began inspecting in 1971. Since that time, 40% of our inspections have been in the C&S Department.

An employee complaint as the reason for an inspection accounted for 30% of the 1979 total. Since 1971, employee complaints have represented only 21% of the inspections. This is indicative of an upward trend we have been experiencing over the past year or so.

Since 1971, PPG has incurred a total of \$31,403 in fines as a result of OSHA citations. Of this, \$6,730 was incurred in 1979. This is also indicative of a trend of increasing fines as a result of OSHA inspection citations.

EMERGING ISSUES

OSHA Improvements Act of 1979

Senator Schweiker (R-PA) introduced a bill to the floor of the U.S. Senate in December, 1979 which would amend the Occupational Safety and Health Act of 1970. Ostensibly the bill is aimed at concentrating enforcement activities on hazardous workplaces and to encourage self initiative in improving occupational safety and health.

Some key points of the bill include a "good safety record" test which would exempt workplaces from routine OSHA inspections, a safety advisory committee composed of employees and an approved consultation program which could be in-house, OSHA or paid consultants, as long as they were under the direction of a certified individual.

SL 103071

Access to Medical Records

In July, 1978, OSHA introduced a proposed rulemaking which would require employers who have toxic exposure to employees to preserve and provide access to the medical records for affected workers and their designated representatives or physicians. In September, 1978 PPG filed written comments concerning this far-reaching proposal.

Throughout 1979, considerable debate has taken place on this issue. Questions revolve around the physician/patient relationship, interpretation of medical records by non-qualified individuals, the definition of what is a medical record, and the length of time such records should be preserved.

This emerging issue will be closely followed by PPG since its resolution could have a material effect on medical and employee exposure records.

Criminal Liability

In 1979 the issue of potential criminal liability for safety professionals and other management personnel who knowingly conceal workplace hazards or fail to act on information available to them continued to heat up. OSHA announced its intention to "look very closely" at all fatalities to determine if any justification existed to recommend possible criminal action to the Justice Department. Exactly how this will end up is not clear at present. There are many points of law yet to be refined. However, increased enforcement and activity on the part of OSHA is almost certain.

Cancer Policy

OSHA is still intending to publish specific standards relating to carcinogens in the work place. Throughout 1979, publication was expected and in January, 1980, OSHA did publish their policy and a proposed model standard. In essence, OSHA provided methodology to identify and classify carcinogens. There will be two classifications: Category I, Potential Carcinogens, and Category II, Potential Carcinogens. Once chemicals are so classified, OSHA will prioritize each list and begin to publish standards with respect to each one using the format of the model standard. This issue promises to take up considerable resources within PPG and is already under heavy fire from many segments of industry.

SL 103072

PART II - 1979 ACCOMPLISHMENTS

SL 103073

CORPORATE SAFETY ACCOMPLISHMENTS

Training

Work was completed on the PPG Supervisors Safety and Health Training Program. This 15 module, 25 hour program has no peer on the commercial market and is so structured that each location can tailor it to specific local situations. Four "Train the Trainer" and two "Appreciation" sessions were held for trainers and top management to kick off the program. Local training began in 1979 and will continue through 1980. When completed, approximately 3,000 supervisors will have been trained.

The Corporate Safety Trainee Program was continued with the hiring of one Safety Management graduate and his subsequent placement on the C&R divisional staff. The purpose of this program is to fill safety and health openings throughout the corporation with qualified safety and health specialists with a high degree of ability and professionalism.

Corporate Safety personnel participated in the planning and presentation of safety and health conferences held by the Glass Group, Chemicals Group, Coatings and Resins Division and the Fiber Glass Division.

Evaluations

As noted on the Visitation Matrix on pages 57 and 58, Corporate and Divisional Safety personnel made formal safety evaluations at 60 locations during 1979. Reports on these 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 Group and 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

The development of guidelines to measure the effectiveness of the management of group/division occupational health programs was completed.

Subsequently, reviews of the Fiber Glass, Aircraft and Automotive, and C&R Divisions were started which will be completed in 1980.

Training

As a professional development activity, the corporate health staff provided a three day technical workshop for PPG industrial hygiene and toxicology personnel. Dr. Yves C. Alarie of the University of Pittsburgh Department of Industrial and Environmental Health Sciences was a guest speaker.

Technical input was provided for training programs for nurses and safety personnel in two divisions. Three Divisions' industrial hygienists were certified by the American Board of Industrial Hygiene in the comprehensive practice of industrial hygiene and one as an industrial hygienist in training. This doubles the number of PPG industrial health professionals certified. The distribution is as follows:

<u>Division</u>	<u>Certified In Comprehensive Practice</u>	<u>Industrial Hygienist in Training</u>
Corporate	1	0
Chemical	0	1
Glass	2	0
Fiber Glass	0	0
C&R	3	1

Regulatory Monitoring and Input

Coordinated the development of corporate positions and responses to federal regulatory standards development, including the National Regulatory Council, the Interagency Regulatory Liaison Committee, the Occupational Health and Safety Administration, and the Toxic Substances Control Act.

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, 118 PPG occupational exposure limits were recommended to and adopted by the Employee Health and Safety Subcommittee and distributed to the divisions for implementation as corporatewide employee exposure limits. In addition, the staff participated as part of the Technical Subcommittee of the Environmental Affairs Committee.

Provided consultation 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.

CORPORATE FIRE PROTECTION ACCOMPLISHMENTS

Loss Analysis Evaluations

Twenty-four loss prevention visits were conducted at fifteen facilities. Approximately 50% of these visits were made in response to Plant, Group/

Division, Corporate Staff, or IRI inquiries. The development of mutually acceptable fire protection alternatives, by PPG's Property Protection Team, reduced our potential capital expenditures by \$177,400.

Training

Three PPG Industrial Fire Schools, hosted by our Ford City Glass Facility, were conducted at Armstrong County Fire Training Grounds for 110 students from 27 facilities. These schools provide "hands-on" fire suppression training which result in PPG's maintaining a high level of manual emergency response capabilities.

A special Fire Protection Laboratory class only 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.

A video tape designed to provide refresher training in Self-Contained Breathing Apparatus was developed. The Fire School Refresher program provides plant management with in-house training materials that build emergency action skills in Fire Brigade members.

The Traveling Fire School was presented four times at the Fiber Glass Division's Shelby Facility for approximately 140 employees and members of the Fire Brigade. This program provides fire suppression training tailored to the local facilities specialized needs in the continuing development of their emergency response capability.

Loss prevention article quarterly publication program was continued. These materials provide PPG's Property Protection Team with a synopsis of current literature, from the Fire Protection Community, which deal with current Fire Protection problems at individual facilities.

Loss Prevention Programs

A loss analysis briefing was co-sponsored with the Insurance Department for the Chemical Group's U.S. Division. The program reviewed, for plant engineers and Division Operating Management, application of Fire-Protection/Loss-Control principles applicable to the Chem Group; and in addition, reviewed Chemical 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.

SL 103076

CORPORATE SECURITY ACCOMPLISHMENTS

Program Development

A cooperative agreement was worked out with the Corporate Supply and Law Departments to ensure correct procedures are followed in purchases of radio equipment to be in compliance with the FCC and provide a review of all CCTV and security equipment purchases for applicability and cost considerations.

Contributions were made to the development of the Corporate Emergency Response Center at Natrium, recommendations made involving security of high priority and high value shipments were adopted by Corporate Supply, Transportation and Distribution resulting in establishment of the Corporate High Value Cargo Policy, provided security recommendations for the new headquarters building, submitted recommendations for future security considerations involving precious metals, made recommendations for security control improvements involving CCTV, radio, intrusion alarm and access control equipment at plants, C&S locations, C&R research expansion projects, ARG locations, Cumberland 7-1 project, Fiber Glass special research project, most of which were implemented, and contributed to development of the PPG EDP Guidelines.

Training

A drug training seminar was presented to Greensburg supervisory personnel and assistance rendered to the Shelby and Lexington plants in presenting similar training to management personnel based on indications of drug use by employees.

Special training of Technicians at Caribe and Pro plants in the areas of security and fire prevention was done at the request of the Chemical Group.

Security training was provided upon request to participants in Divisional safety conferences. Security considerations training was given to G.O. managers and supervisors and a bomb and arson training program was presented at the Corporate Fire Schools.

Field Evaluations and Special Assignments

A number of security reviews of field units were conducted at management's request. Special assignments included resolution of a platinum theft, requested special security arrangements for certain high value shipments, undercover investigations at three plants, requested assistance on other special investigations and investigations of break-ins and minor thefts in the General Offices.

Coordination

Corporate direction is extended by guiding and assisting the efforts of Division and Staff groups. Cooperation and assistance is given to federal/local law enforcement agencies and the private security sector.

SL 103077

Reporting

Management is kept informed of matters affecting Corporate and field security. Management requests for intelligence on political and terrorist activities is provided on a regular basis.

CORPORATE FLEET SAFETY ACCOMPLISHMENTS

The Record

The corporation has now operated four consecutive years without an employee fatality resulting from a business-related highway accident.

During the year, seven of the Company fleets again participated in the National Fleet Safety Contest. The Truck Accident Frequency Rates for those fleets are shown below. Of these seven, five showed a marked improvement in their Truck Accident Frequency Rates as compared with 1978. Based on the total miles operated, the greatest improvement was in the Corporate Truck Fleet at Delaware, Ohio. While operating just under 16,000,000 miles, their rate decreased from 3.47 in 1978 to 2.51 in 1979. This represents an actual reduction of 15 accidents and is the first time in 10 years of operation that the Corporate Truck Fleet's Accident Frequency Rate was less than 3.00.

	1979 Truck Accident Frequency Rate
Corporate Truck Fleet, Delaware, OH	2.51
C&R Plant, Torrance, CA	9.96
Works #26, Crestline, OH	2.96
Works #27, Tipton, PA	0.00
C&S Branch, Houston, TX	31.41
C&S Branch, Memphis, TN	6.76
C&S Branch, Milwaukee, WI	7.95

Training

The National Safety Council's Defensive Driving Course was presented to the manager and sales people at the Chemical Division-U.S. Cleveland Sales Office and the truck drivers and various other employees at Meadville, PA. The coordinator and primary instructor for these courses was the Corporate Fleet Safety Engineer. He was assisted by instructors from the Hartford Insurance Group's Loss Control Department. Hartford instructors also presented the course to sales people at the Chemical Division-U.S. Philadelphia Sales Office.

Evaluating

In-depth Fleet Safety Evaluations were conducted at four locations to assist management (1) in assessing the strengths and weaknesses of their existing Fleet Safety Programs, (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 and as many other Fleet Safety materials requested as possible. Fleet Safety Surveys and OSHA/DOT Compliance Reviews were performed at 20 other locations to assist management there in improving their Fleet Safety Program and, if applicable, maintaining a substantial degree of compliance with the Federal Motor Carrier Safety Regulations.

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 1978 and the first half of 1979 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 GROUP ACCOMPLISHMENTS

Safety

The SSHTP program was implemented by having a management appreciation session for each Glass Division followed by an SSHTP training session for all the Plant Safety and Training Directors.

In an effort to improve the skills for First Line Supervisors in C&S, several safety training workshops were conducted in basic Accident Prevention.

Because of favorable test results, on Kevlar, it was introduced for use in all Glass Group locations as personal protection in place of the twill and leather personal protective equipment. Also, more sophisticated fall protection equipment was introduced into C&S.

A monthly safety topic was developed and distributed to all Glass Group locations in an attempt to provide the First Line Supervisors with safety material to conduct regular safety meetings.

Health

The Glass Group Asbestos Removal Program is progressing. Asbestos is being eliminated from insulation applications, door seals, and many minor uses, while being replaced with acceptable substitutes. The goal of this program is to identify, remove and replace asbestos wherever it exists within Glass Group operations.

In an effort to identify and categorize the chemicals in trade name products used throughout the Glass Group, a computer program has been written and is being implemented to organize the significant number of Material Safety Data Sheets that have been acquired by field operations.

The batch houses at two plants were closely examined by a University of Pittsburgh graduate student who had been hired as an intern for a six-month period. The student used various methods of sampling and measuring to define the ambient levels of silica present in the batch house gallery. This information was the basis of the student's thesis, as well as preliminary information for Glass Group's use in responding to the OSHA proposed silica standard. The student was subsequently hired on a full-time basis and will be working on laboratory procedures and the specialized health problems in the use of chemicals in the Glass Group.

CHEMICALS GROUP ACCOMPLISHMENTS

Safety

During 1979 the Chemicals Group continued its policy of hiring people with the proper safety training and background for the plant safety departments and filled vacancies in the plants with three employees with MS degrees in Safety and Industrial Hygiene and two employees with BS degrees in Safety Engineering.

In May of 1978, NIOSH issued an alert advising that there was a possible defect in Scott Air-Dale diaphragms. This information was relayed to all Chemicals Group plants and 225 Scott Air Paks in service were checked. There were no defective diaphragms found in the units inspected.

The Lake Charles Plant Safety Organization was reorganized and expanded during the year to better meet the safety needs and demands of the expanding plant.

A Plant Safety Directors' meeting was held in Akron, Ohio, on November 6, 7, and 8, with participation from all the Chemicals Group plants, the Corporate Safety Department, Group Environmental Affairs and Group Top Management.

On October 16, 1979, the Corpus Christi Chrome plant was sold to American Chrome and Chemical and the Corpus Christi Technical Center continued to operate as a separate facility.

Health

The Administrative Law Judge's decision on the OSHA citation for mercury at the Caribe plant was issued early in 1979. The Judge dismissed the two citations alleging that the Plant had not used feasible engineering and administrative controls to protect our employees against exposure to levels of mercury above the .1 mg per cubic meter which is the OSHA standard. The third serious citation concerning the improper fit of respirators was reduced from a serious citation to a de minimus or other and no penalty was assessed. The day before the Judge's decision became final, Mr. Bert Cottine requested that the mercury citation be sent to the OSHA Review Commission. In April, the Law Department reported a brief and forwarded it to the OSHA Review Commission; however, as of December 31, 1979, the OSHA Review Commission had not issued a decision.

The Beaumont OSHA citation on lead is still being litigated. In December, an outside expert from OSHA was permitted to enter the Plant to inspect the area listed on the citation. The outside expert spent 2-1/2 hours in the Plant and could not find a source of contamination. A trial date of March 4, 1980, has been set to hear the notice of contest; however, the OSHA solicitor has asked for a postponement and a settlement may be reached before the notice of contest goes to trial.

The Beaumont plant experienced the lowest number of employees on the Lead Health Watch List in 1979 that it has experienced since the Lead Health Program was implemented. The Plant feels that the improved respirator fitting of employees utilizing the qualitative fit testing equipment has been a factor in reducing the number of employees on the Lead Health Watch List.

In conjunction with the Chemicals Group Environmental Affairs Department and the Corporate Medical Director, a program of periodical physical examinations was implemented at the SPU facilities.

Fire Protection

The Lake Charles plant experienced a major fire in the Per-Tri Unit in Plant B when a fire occurred in the Dowtherm heater. The fire caused extensive damage to the structure and equipment on the third floor of the process structure.

The fifth annual Chemicals Division Fire School was held at the Texas A&M Fire Training Grounds with 42 participants from the following plants:

Barberton	Chicago
Beaumont	LaPorte
Lake Charles	Stockertown
Natrium	East Point C&R
Woodward	Houston C&R

COATINGS AND RESINS DIVISION ACCOMPLISHMENTS

Safety

A training session for C&R Division plant nurses or representatives was conducted by the Atlanta Back School. These C&R personnel will present the program to employees at their respective plant locations. The Back Program was also presented to East Point employees by the administrators of the Back School. The purpose of the program is to promote increased awareness and training in the prevention of back injuries. Preliminary indications from East Point showed employees greeting the program with a high level of enthusiasm. Division-wide implementation, scheduled for 1980, should provide a notable decrease in the frequency and severity of C&R back injuries.

The Paint Center Safety and Environmental Affairs Manual was completed during 1979. The manual provides basic safety, health, fire, and security guidelines for C&R Division Paint Centers. The Paint Center Safety Checklist, completed by Area Paint Center Managers on a yearly basis,

SL 103081

was updated so it will more closely correspond with the text of the new manual. After distribution of the manual and checklist, Paint Center Managers and employees should exhibit increased safety awareness, using this knowledge to reduce or minimize accidents and injuries.

Forty paint center locations and five distribution centers were inspected by plant safety personnel. This inspection procedure demonstrates support for elimination of unsafe acts and conditions at these facilities.

During 1979, all C&R Division Resin Manufacturing locations began to supply flame-retardant clothing to their employees. Any other uniforms provided to C&R personnel must be 100% cotton. The exposure potential to fire in Divisional facilities warranted this policy.

Canadian operations have been included in the Accident Review Board procedure implemented by the C&R Division. Representatives from five U.S. plant locations met with the Board to discuss measures to improve safety performance at their locations.

The C&R Divisional Safety Conference was held during May in Pittsburgh. A conference highlight was a discussion resolving mutual problems encountered by plant safety program administrators.

Divisional training to meet future personnel needs continued with the addition of a Safety Engineer during July. Another Safety Engineer, previously in training, was transferred to a field location in Delaware, Ohio.

Batch tickets underwent a revision in an attempt to detail raw material hazards and their controls. The revision provides employees with a written description of raw material hazards on the batch ticket, in addition to protection afforded through use of Safety and Health Index information. The batch ticket revision provides employees with an increased education of exposures which may be encountered in the workplace.

Industrial Hygiene

The 1979 emphasis of the Coatings and Resins Industrial Hygiene Team was growth in individual and department capability. Two C&R Hygienists were certified in comprehensive practice of Industrial Hygiene and a third admitted to status of "In Training" by the American Board of Industrial Hygiene. A fourth professional hygiene staff member was added. The C&R Industrial Hygiene Laboratory participated successfully in the American Industrial Hygiene Association accreditation program. A second professional staff member was also added to the laboratory staff.

Service to plants continued in the form of 4 comprehensive plant surveys and 22 special emphasis projects. Quantitative respirator fit testing services were also made available to plants.

Significant progress has been made in enhancement of field sample credibility and reporting of field results. Key elements in this improvement are additional field directives and automated analysis and reporting.

Authorization was received for development of a toxicological testing facility to be managed by Carnegie Mellon Institute of Research.

Progress in constituting and staffing was 80% completed with formal opening scheduled for April of 1980.

Medical Program

Dr. C. W. Fishburn continued as divisional consultant in Occupational Medicine. Review of three C&R plant medical programs were completed by Dr. Jonas and Dr. Fishburn with the objective of instituting a comprehensive program for 1980.

Epidemiological Research

Epidemiological research was conducted in five C&R plants by Stanford Research Institute in conjunction with the National Paint & Coatings Association. The study findings do not indicate excesses in any cause of death due to cancer or any other factor.

OSHA Compliance

Assistance was provided to all C&R plants in complying with the OSHA acrylonitrile and lead standards. The staff coordinated the development and implementation of acrylonitrile and lead standard compliance programs throughout the Division.

Industrial Hygiene Services to Customers

Assistance was provided to many customers in the safe handling and use of our products. Special customer surveys were conducted at 8 customer locations.

Capital Projects

A mechanism and procedure was established for assuring timely review and Industrial Hygiene input at an early stage in all major divisional capital projects.

FIBER GLASS DIVISION ACCOMPLISHMENTS

Safety

The Division recorded a total of 7,609,235 hours of exposure with five Away-from-Work cases. The year started with an unfortunate experience when a fatality occurred on January 17, 1979 at the Technical Center. The Lower Burrell facility recorded its first Away-from-Work case on December 22, 1979 which ended a record started on January 1, 1974. The NSC Incidence Rate goal of 0.19 was bettered by ending the year with an Incidence Rate of 0.16. The Incidence Rate Average for the past three years (1976-1977-1978) is 0.21.

The Technical Center has taken an active part in the Allegheny County Central Blood Bank program by providing on-site facilities for a blood donor day. This will be scheduled as an annual event.

The Emergency Medical Technician (EMT) certification program has been actively pursued in the division to strengthen our in-plant capability to stabilize an employee, who has been injured, for the transport to a hospital. There were 33 employees who committed 90 hours of their personal time in the training situation plus the 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 because the employee is developing a good safety awareness attitude for on-the-job activities. This training will also be used in the home to develop a good safety attitude in the family.

The divisional Safety and Health Conference was held in August, 1979, in Charlotte, North Carolina. All the plant nurses were in attendance for one day of the conference. The first viewing of slide-script presentations being developed by Shelby, Lexington and the Technical Center were shown to the group for review. These presentations are segments of the new employee orientation program, safety meetings and the contractor safety orientation. The concept is to develop a standard safety and health new employee orientation program for all the division facilities to use. The development of safety meeting topics, at each location, are then shared with the other division facilities, will reduce the time commitment by any one location to develop the total program. We will explore the use of video tape to enhance the presentation of those segments that are adaptable to this method.

A survey has been conducted on all the dock levelers used in the division to determine replacement needs, maintenance program and installed devices where needed to prevent the dock leveler from inadvertently dropping below floor level. Specifications have been provided to all division facilities, division engineering and corporate supply for dock levelers for the installations and for the replacement programs.

Health

The Fiber Glass Division's Occupational Health Programs received a significant boost in 1979 by the hiring of a Safety Engineer at each production facility. A sizable portion (40-50%) of their efforts will be in industrial hygiene assisting the Divisional Industrial Hygienist in the fulfillment of his responsibilities. Both Safety Engineers attended the 10-day NIOSH training course, Industrial Hygiene Measurements.

A major effort in occupational health during 1979 centered on employee exposure to crystalline silica. Knowledge of the physical characteristics of the raw materials and observation of the process indicated a real potential for exposure to crystalline silica. A sampling program was established at both the Lexington and Shelby plants to identify the occupations having significant exposure and the magnitude of that exposure. After several months of sampling effort, certain occupations associated with over exposure were identified. Both production and maintenance functions were included in this group. A respiratory protection program

was then established at each plant for the affected employees. These employees addressed: 1) adequacy of current medical surveillance, 2) employee education, and 3) proper use of respiratory protective equipment.

Efforts are also being made for engineering control of airborne silica. At Works 52, the material handling equipment is scheduled for improvement in late 1980 and 1981. A central vacuum system has been installed at Works 53 for cleaner and easier housekeeping of batch materials. It is felt that both these improvements will lessen employee exposure to silica.

The Divisional Noise Abatement Committee worked on a number of projects during the year. Chief among these was the collection of base-line octave band data on twist machines located in Works 53. Schedules were established for the collection of data on different products and speeds. The long-term future of the noise abatement program depends upon manpower availability and funding for the purchase of sophisticated noise and vibration analysis equipment.

Fire Protection

The Annual Industrial Risk Insurers' (IRI) review was conducted in April with each location presenting their location's program to comply with the recommendations made by the local IRI personnel. The Technical Center ended the year with no outstanding IRI recommendations.

The division sent eight fire brigade members to the Corporate Fire School in Armstrong County, Pennsylvania. In addition, ten fire brigade members attended the Celanese Fire School in Rock Hill, South Carolina. The Shelby plant provided 140 fire brigade members, maintenance men and supervisors with two days of fire training at the plant site. The training was oriented to pre-planning for potential fire hazards at the Shelby plant.

Security

The training of the security guards at Shelby and Lexington has been upgraded in the last quarter with the use of slide/sound and film training materials for security planning, handling bomb threats, public relations in security, etc.

A security review was conducted and recommendations were provided on the upgrading of the CCTV surveillance of the parking lot and intruder protection for the PEC building at Lexington. A security review was conducted and recommendations were provided on the intruder protection at the Technical Center. Two new CCTV surveillance systems were installed at the Shelby plant.

Drug abuse training programs were conducted by the Cleveland County Sheriff Department for the Shelby management personnel in September and October, 1979.

SL 103085

PLASTIC FABRICATING DIVISION ACCOMPLISHMENTS

Safety

The Como Plastics and Projection Products facilities continued their programs of Safety and Housekeeping Improvement Measures throughout their plants. The Projection Product location has also implemented a new employee safety awareness contest called SAFEGO.

Two locations, Projection Products and Ideal Mold, had no away from work cases in 1979.

Health

Como Plastics had an OSHA hygiene inspection resulting in a non-serious violation requiring a new hearing conservation program to be developed for grinder employees.

Fire Protection

IRI (Industrial Risks Insurers) recommendations were completed at Como Plastics and all DEW installations have been completed to IRI recommendations.

Security

All three facilities had plant security audits which resulted in tighter security measures being taken and less property losses.

PART III - STATISTICAL REVIEW WITH CHARTS

SL 103087

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).

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

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).

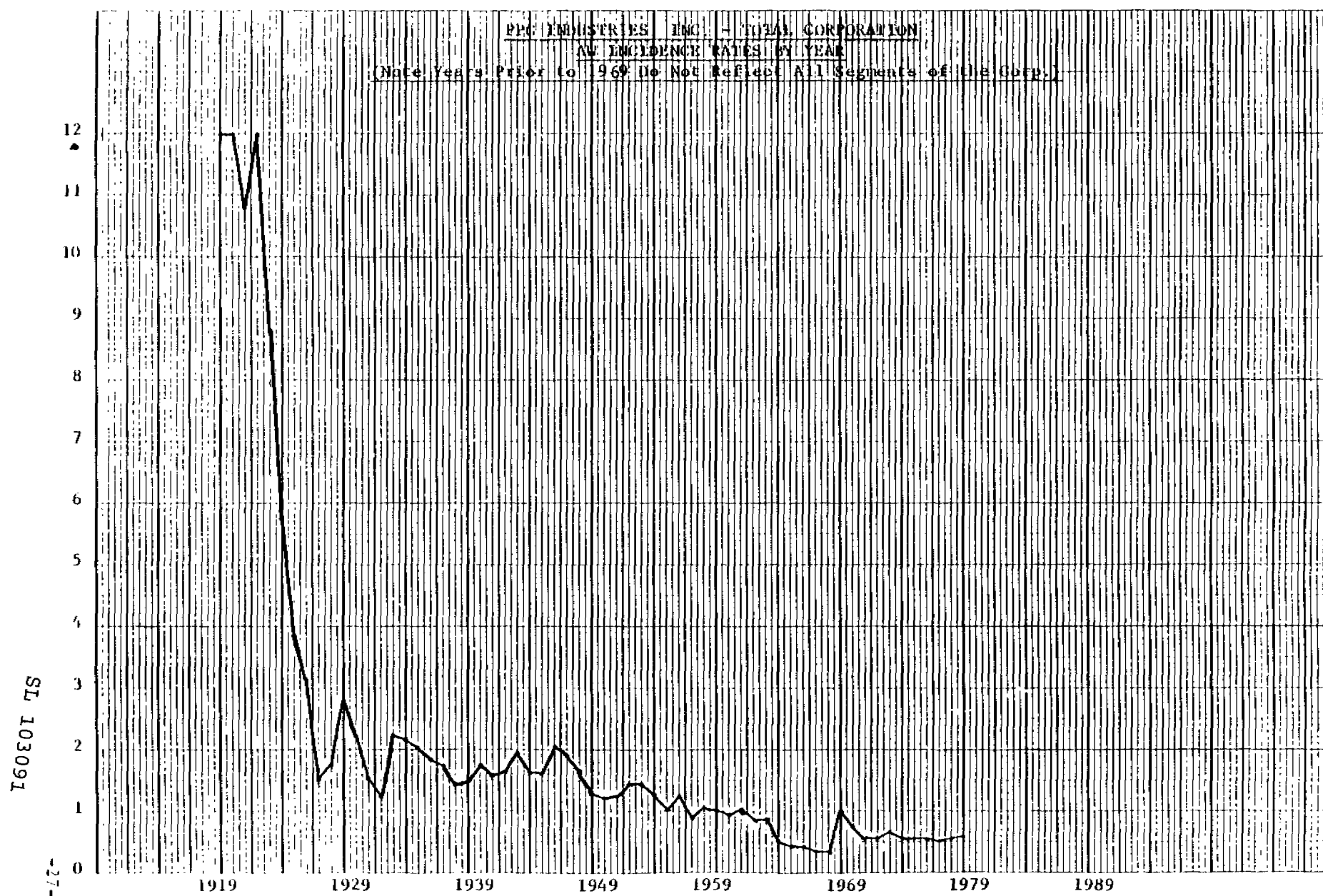
$$(TDL) \text{ Incidence Rate} = \frac{\text{Total Days Lost} \times 200,000}{\text{Manhours Worked}}$$

8. TRUCK ACCIDENT FREQUENCY RATE

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

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

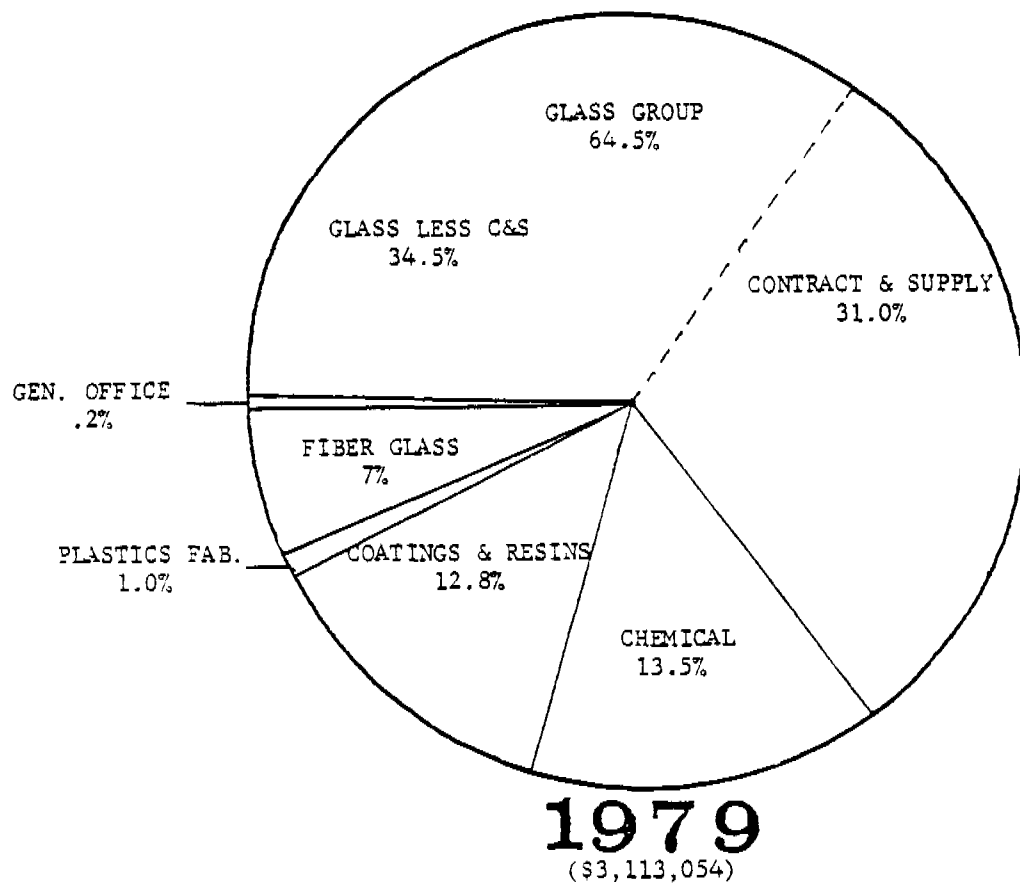
SL 103090



<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

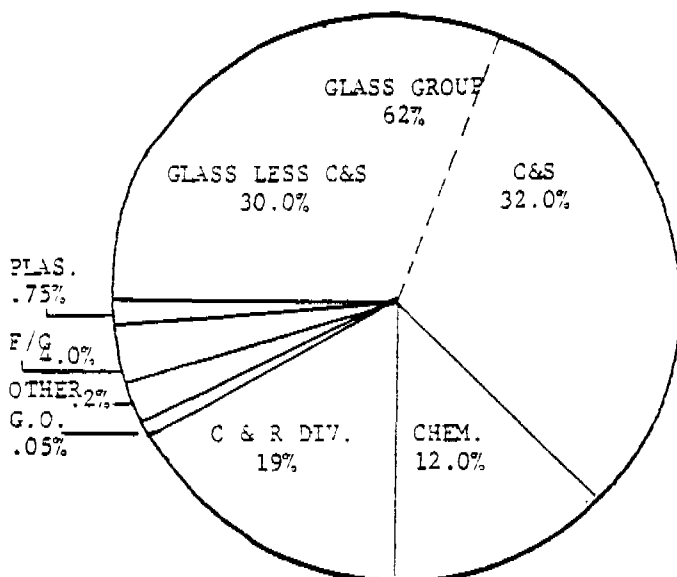
<u>YEAR</u>	<u>AW RATE</u>
1950	1.22
1951	1.24
1952	1.24
1953	1.44
1954	1.28
1955	1.02
1956	1.28
1957	0.90
1958	1.04
1959	1.00
1960	0.96
1961	1.02
1962	0.88
1963	0.88
1964	0.52
1965	0.46
1966	0.44
1967	0.36
1968	0.36
1969	1.00
1970	0.76
1971	0.64
1972	0.54
1973	0.68
1974	0.56
1975	0.59
1976	0.54
1977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

SL 103092

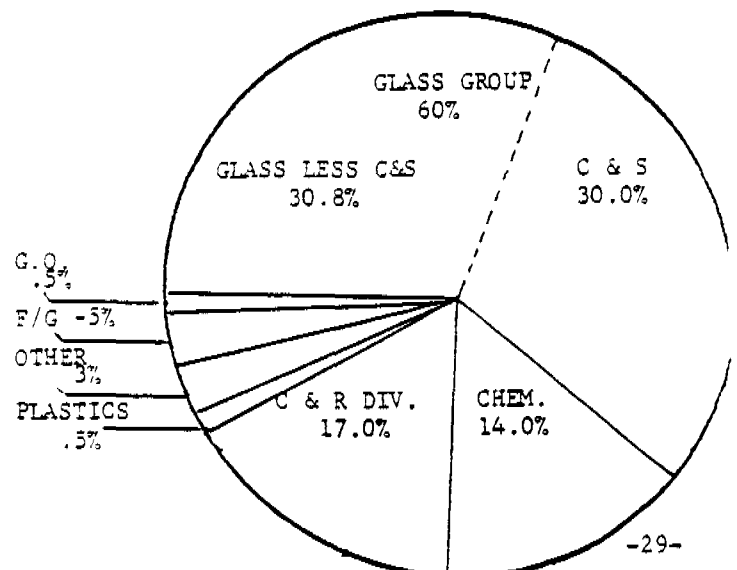


DIRECT ACCIDENT COSTS

1978
(\$2,210,171)



1977
(\$1,975,691)



SL 103093

DIRECT ACCIDENT COSTS

<u>Group/Division</u>	<u>1977</u>	<u>1978</u>	<u>1979</u>
Glass	593,622	667,713	1,072,971
Glass C&S Department	593,201	711,816	962,000
Chemical	286,191	275,792	421,137
Coatings and Resins	330,195	434,336	406,495
Fiber Glass	82,033	91,455	206,396
Plastics Fabricating	4,692	17,053	37,957
General Office	3,848	1,018	6,098
Other*	<u>81,909</u>	<u>10,988</u>	<u>0</u>
TOTAL	1,975,691	2,210,171	3,113,054

*Miscellaneous closed PPG facilities

SL 103094

1979 DISABLING INJURIES
CAUSE AND CLASSIFICATION SUMMARIES

SL 103095

PPG INDUSTRIES, INC.
1979
AWAY-FROM-WORK CASES

TOTAL CORPORATION

Cause and Classification

	<u>Number of Cases</u>	<u>% of Total</u>
<u>STRUCK BY</u>	35	20
Objects	23	
Glass	12	
<u>STRUCK AGAINST</u>	17	9
Objects	14	
Glass	3	
<u>FALLS</u>	35	20
Different Level	19	
Same Level	16	
<u>STRAINS & SPRAINS</u>	52	29
Back	38	
Ankle	4	
Hand	1	
Shoulder	4	
Knee	3	
Neck	0	
Other	2	
<u>BURNS</u>	9	5
Thermal	4	
Chemical	5	
Electrical	0	
<u>CAUGHT BETWEEN</u>	15	8
<u>GAS INHALLATION</u>	0	0
<u>VEHICLE INJURIES</u>	9	5
<u>O.D. CASES</u>	0	0
<u>HERNIA</u>	6	3
<u>FATALITY</u>	1	1
	179	100%

SL 103096

PPG INDUSTRIES, INC.
1979
AWAY-FROM-WORK CASES

MANUFACTURING

Cause and Classification

	<u>Number of Cases</u>	<u>% of Total</u>
<u>STRUCK BY</u>	19	22
Objects	14	
Glass	5	
<u>STRUCK AGAINST</u>	9	10
Objects	8	
Glass	1	
<u>FALLS</u>	11	13
Different Level	4	
Same Level	7	
<u>STRAINS & SPRAINS</u>	29	32
Back	23	
Ankle	3	
Hand	0	
Shoulder	1	
Knee	2	
Neck	0	
Other	0	
<u>BURNS</u>	7	8
Thermal	4	
Chemical	3	
Electrical	0	
<u>CAUGHT BETWEEN</u>	8	9
<u>GAS INHALATION</u>	0	0
<u>VEHICLE INJURIES</u>	3	3
<u>O.D. CASES</u>	0	0
<u>HERNIA</u>	2	2
<u>FATALITY</u>	<u>1</u>	<u>1</u>
	39	100%

SL 103097

PPG INDUSTRIES, INC.
1979

Hernia and Back Cases

<u>Facility</u>	<u>Hernias</u>		<u>Back Cases</u>	
	<u>Number</u>	<u>Days Lost</u>	<u>Number</u>	<u>Days Lost</u>
ARG Centers	0	0	1	9
ARG Depots	0	0	1	34
Barberton	0	0	1	14
Beaumont	0	0	1	93
C&S Central Reg.	2	78	0	0
C&S East. Reg.	0	0	2	36
C&S Fab. Prod.	1	38	0	0
Carlisle	0	0	2	54
CCG	0	0	3	85
Chem. U.S. Sls./Dst.	0	0	1	4
Clarkson	0	0	1	15
Columbus - Plastics	0	0	1	275
Cumberland	0	0	1	78
Delaware Ref. Sales	0	0	1	3
Dover	0	0	1	23
Ford City	1	45	2	126
Fresno	0	0	1	4
Greensburg	0	0	1	7
G.R.T.L.	0	0	1	8
Houston	0	0	1	5
Huntsville	0	0	1	24
Lake Charles	0	0	2	17
LaPorte	0	0	2	194
Lexington	0	0	2	163
Lincoln	0	0	1	51
Los Angeles Sales	0	0	1	2
Meadville	1	81	0	0
New York Sales	0	0	1	11
Oak Creek	0	0	1	2
St. Louis Sales	0	0	1	56
Shelby	0	0	1	71
South Atlanta Sales	0	0	1	2
Wichita Falls	0	0	1	8
Totals	5	242	38	1,474

SL 103098

AW (DISABLING INJURIES) EXPERIENCE CHARTS BY GROUP AND DIVISION

The following charts reflect the disabling injury (AW's) experience and AW days lost for the corporation and for each group and 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. No Canadian operations were included in the Corporate totals until 1979.
2. AWDL (away-from-work-days lost) rates are not available for the years 1975 and 1976.
3. NSC rates referred to in the text include deaths and may be slightly greater than the AW rates charted.
4. The Glass and Chemicals Groups were divided into two divisions each in 1977.

SL 103099

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

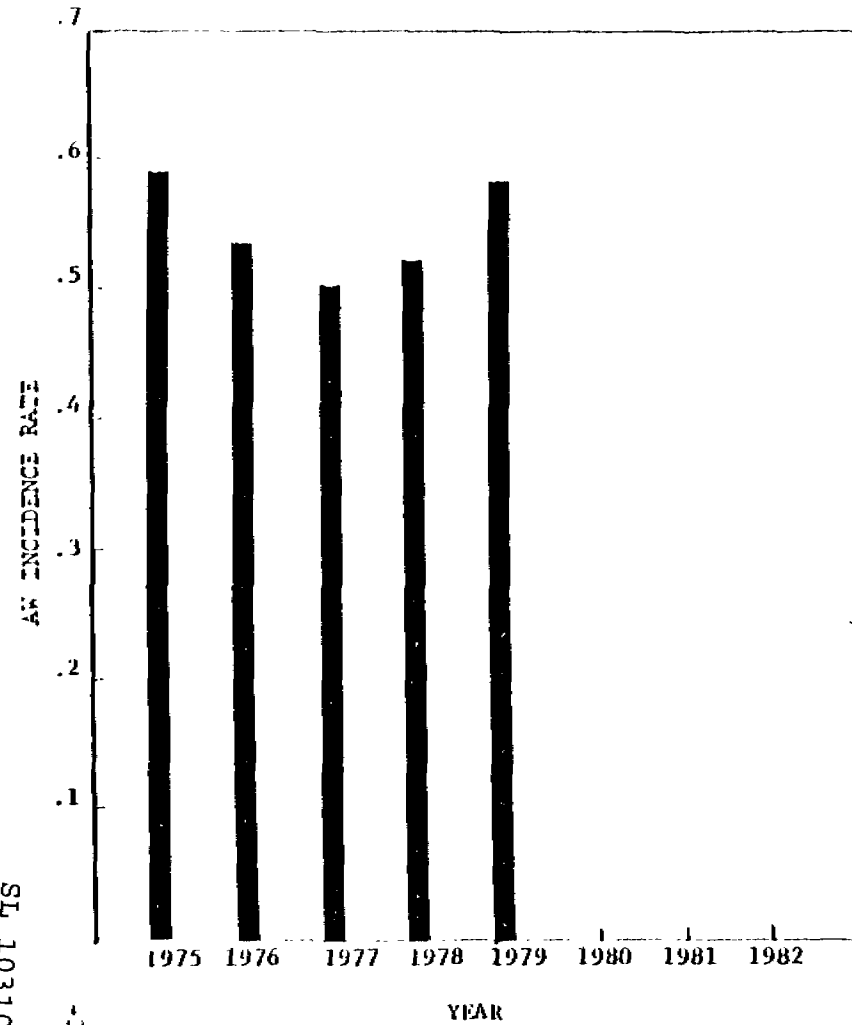
SL 103100

PPG INDUSTRIES, INC.

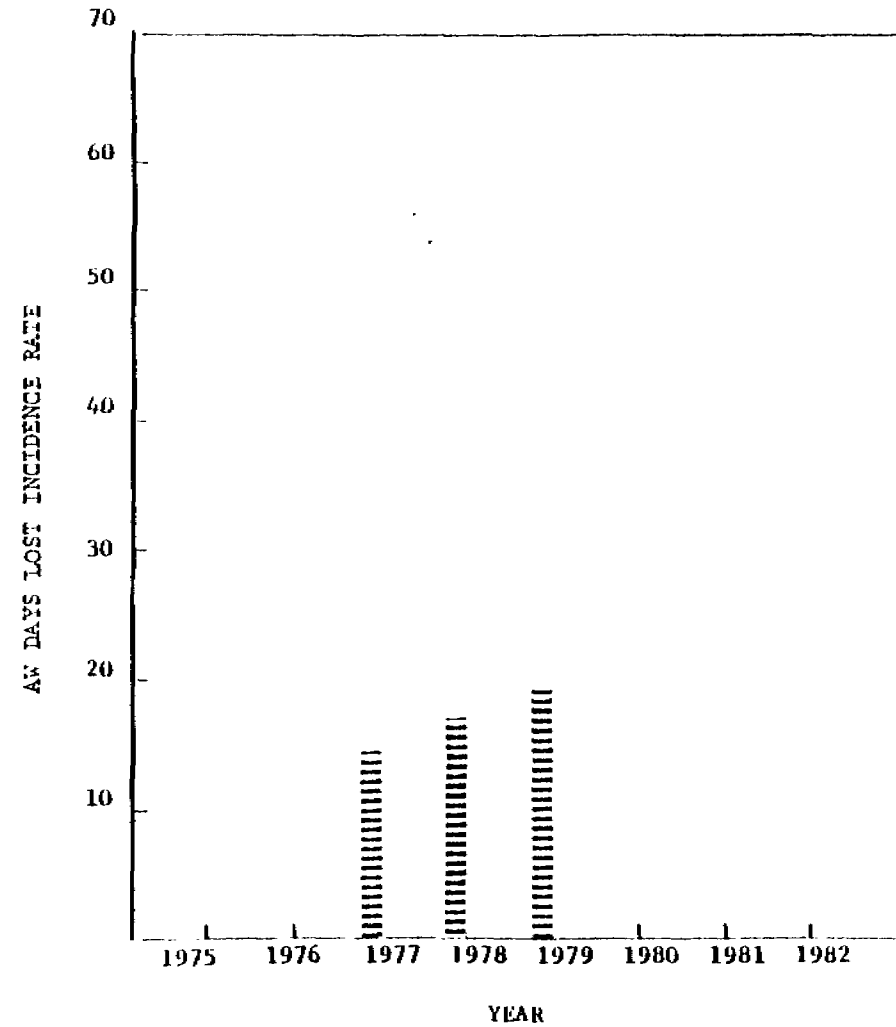
TOTAL CORPORATION

AW INJURY EXPERIENCE

AW INCIDENCE RATE CHART

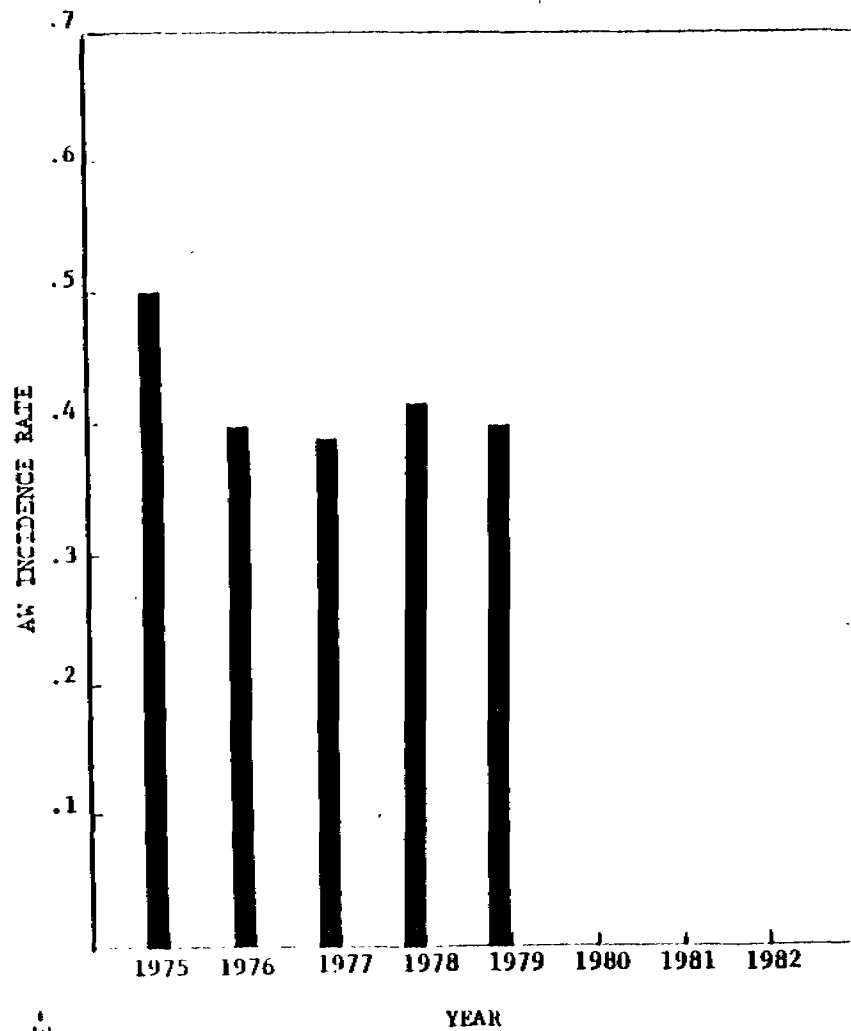


AW DAYS LOST INCIDENCE RATE CHART

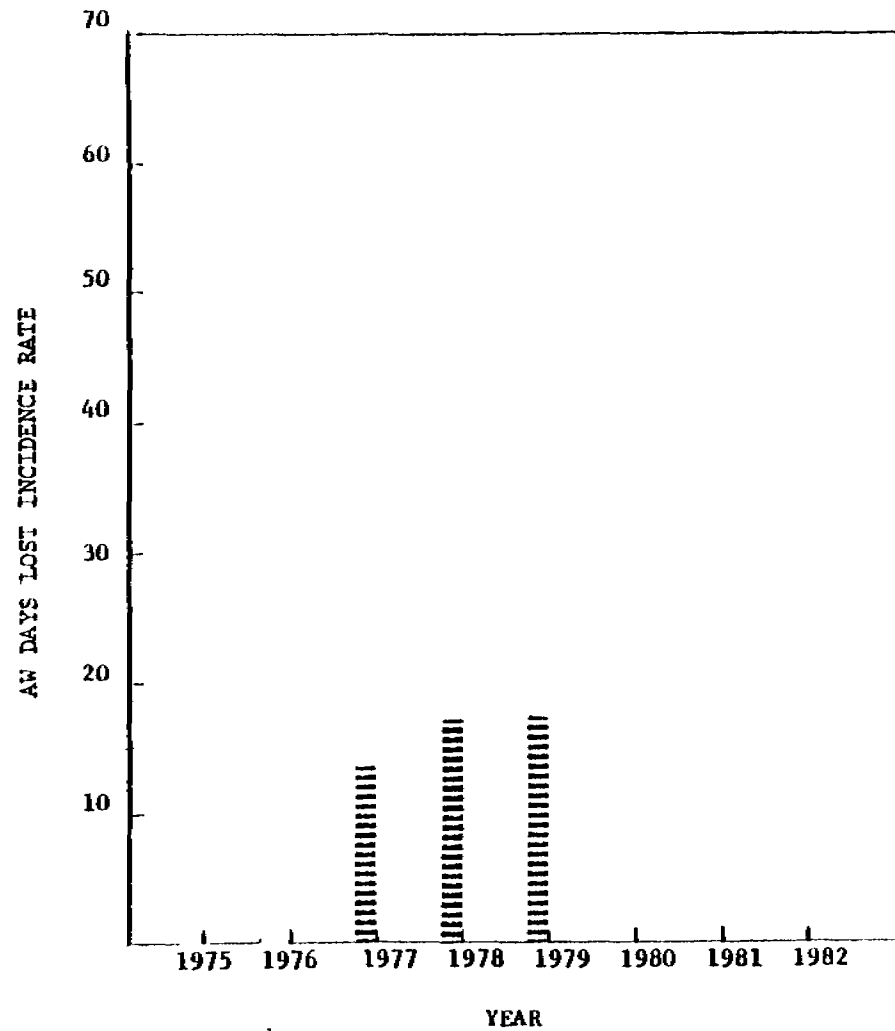


PPG INDUSTRIES, INC.
TOTAL CORP. MANUFACTURING
AW INJURY EXPERIENCE

AW INCIDENCE RATE CHART



AW DAYS LOST INCIDENCE RATE CHART



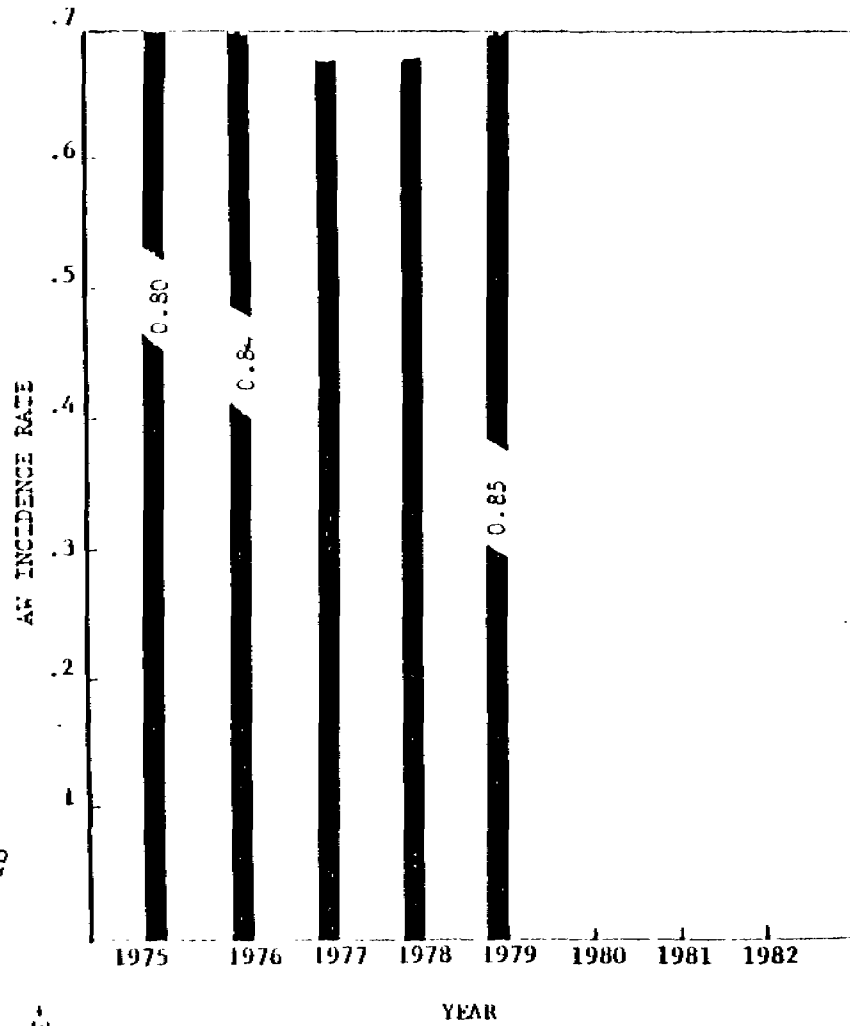
SL 103102

PPG INDUSTRIES, INC.

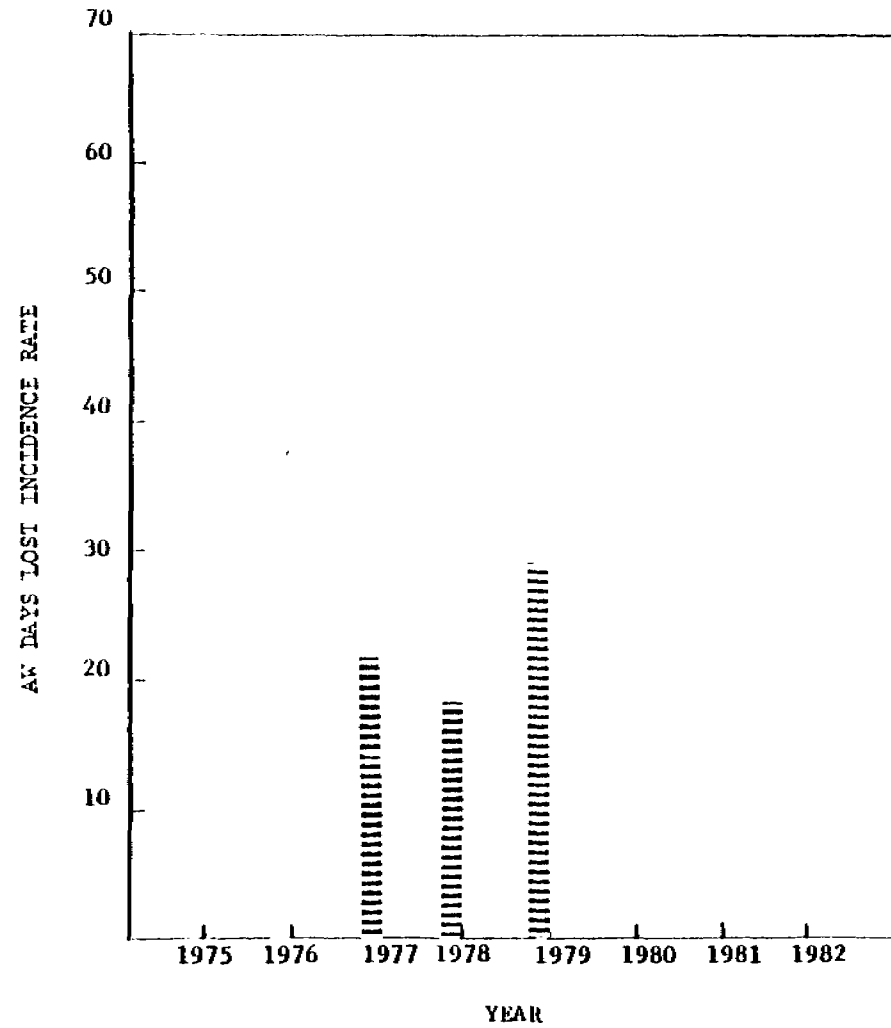
CLASS GROUP TOTAL

AW INJURY EXPERIENCE

AW INCIDENCE RATE CHART



AW DAYS LOST INCIDENCE RATE CHART



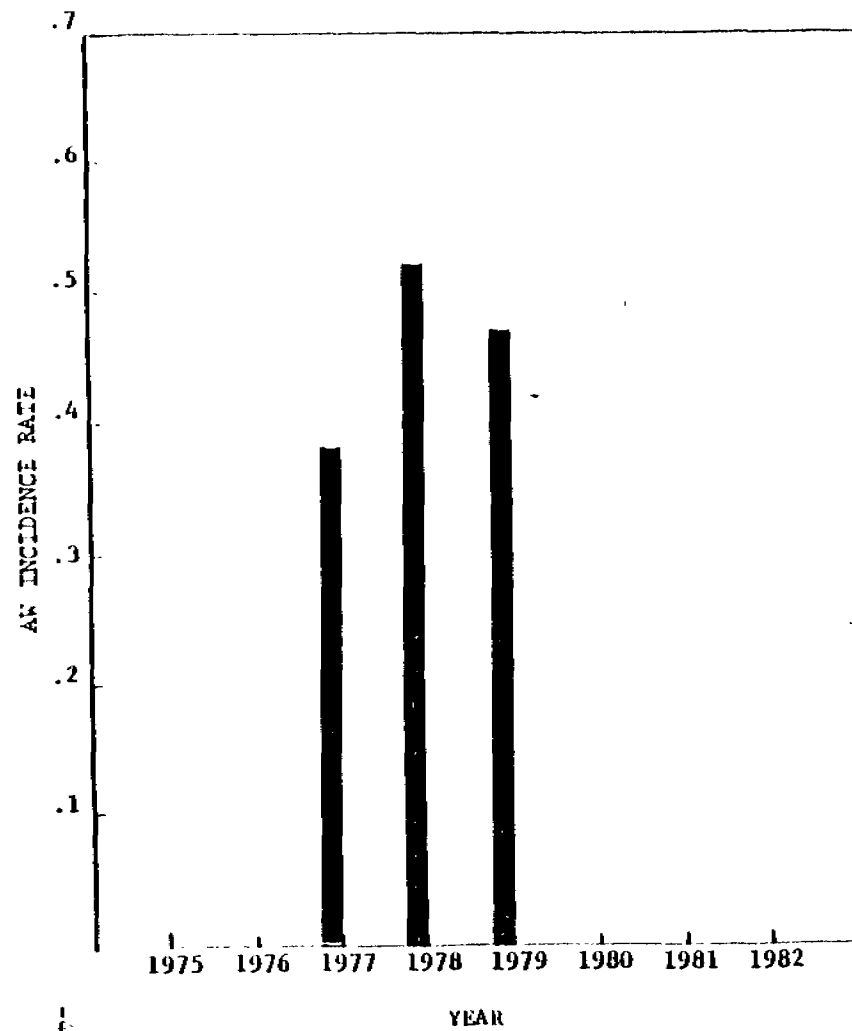
TS 103103

PPG INDUSTRIES, INC.

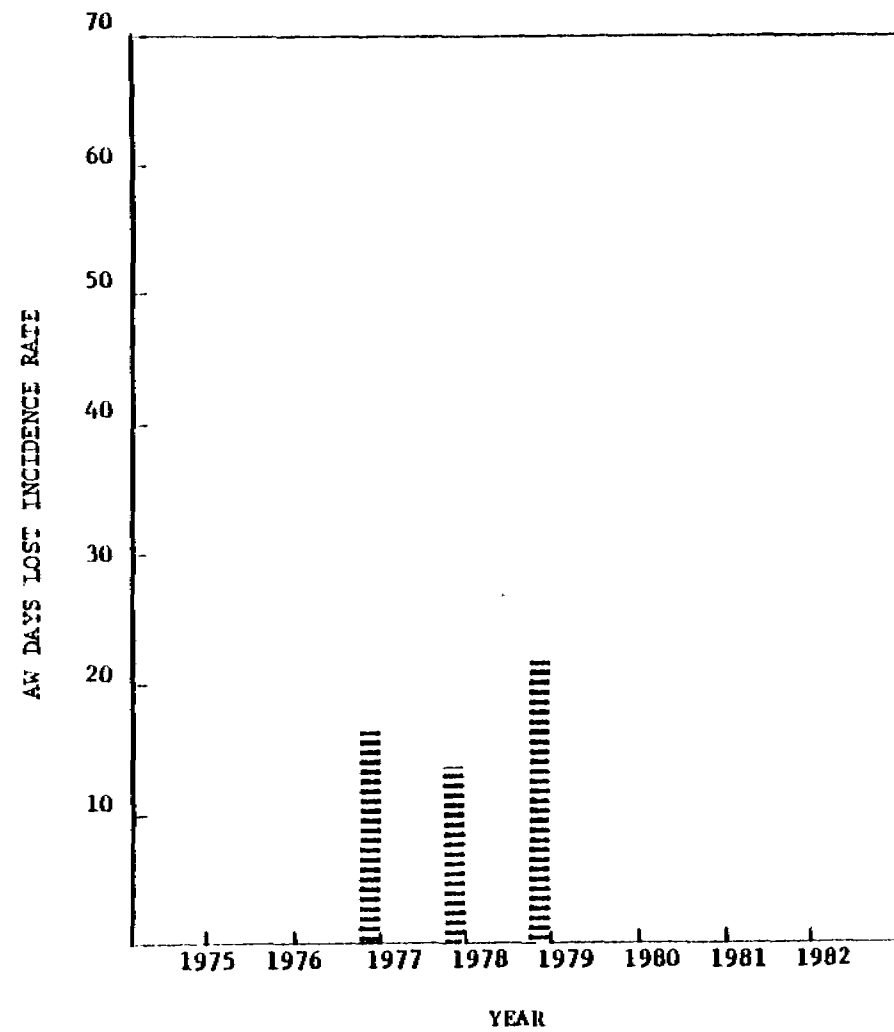
FLAT GLASS DIVISION

AW INJURY EXPERIENCE

AW INCIDENCE RATE CHART



AW DAYS LOST INCIDENCE RATE CHART



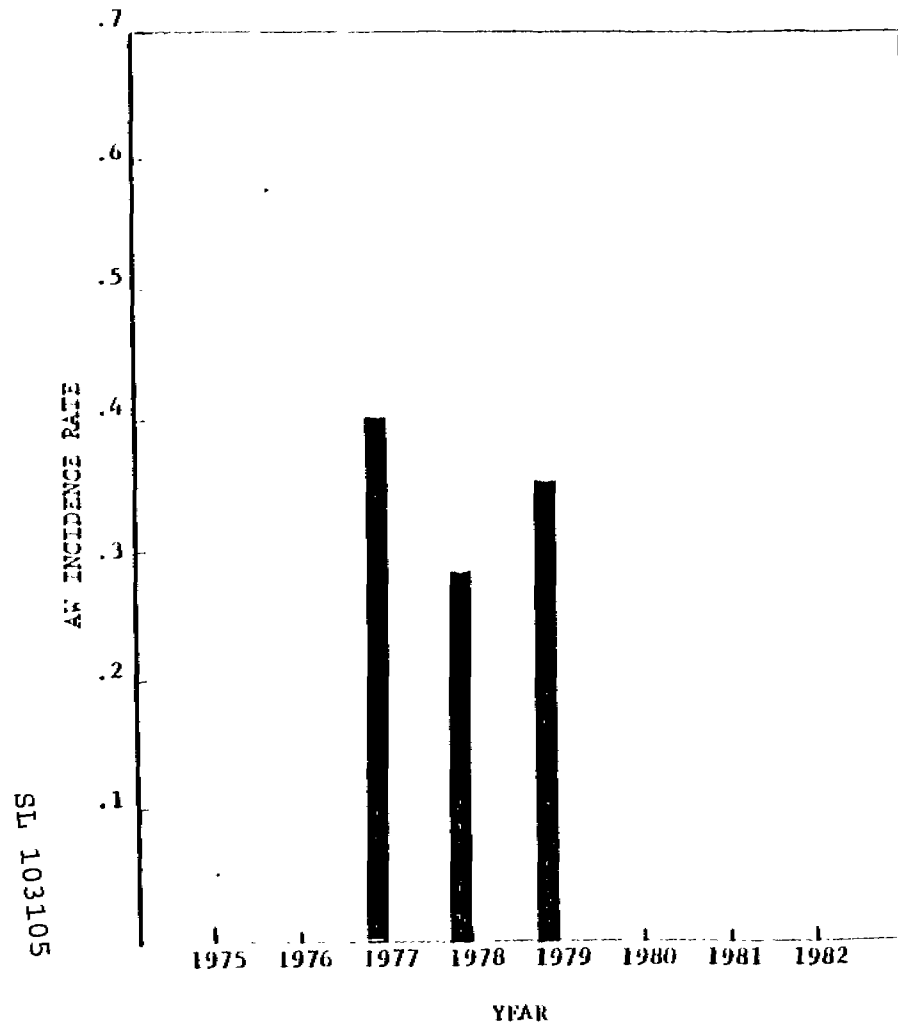
SL 103104

PPG INDUSTRIES, INC.

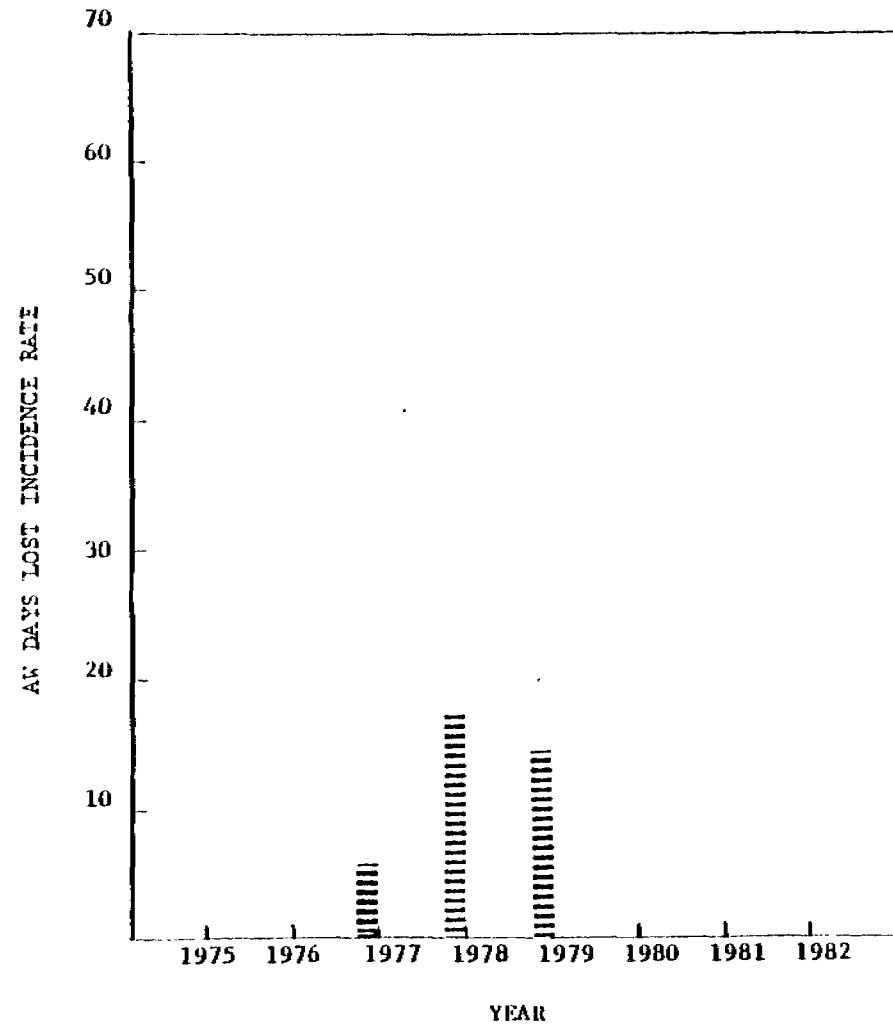
AUTOMOTIVE & AIRCRAFT GLASS DIVISION

AW INJURY EXPERIENCE

AW INCIDENCE RATE CHART

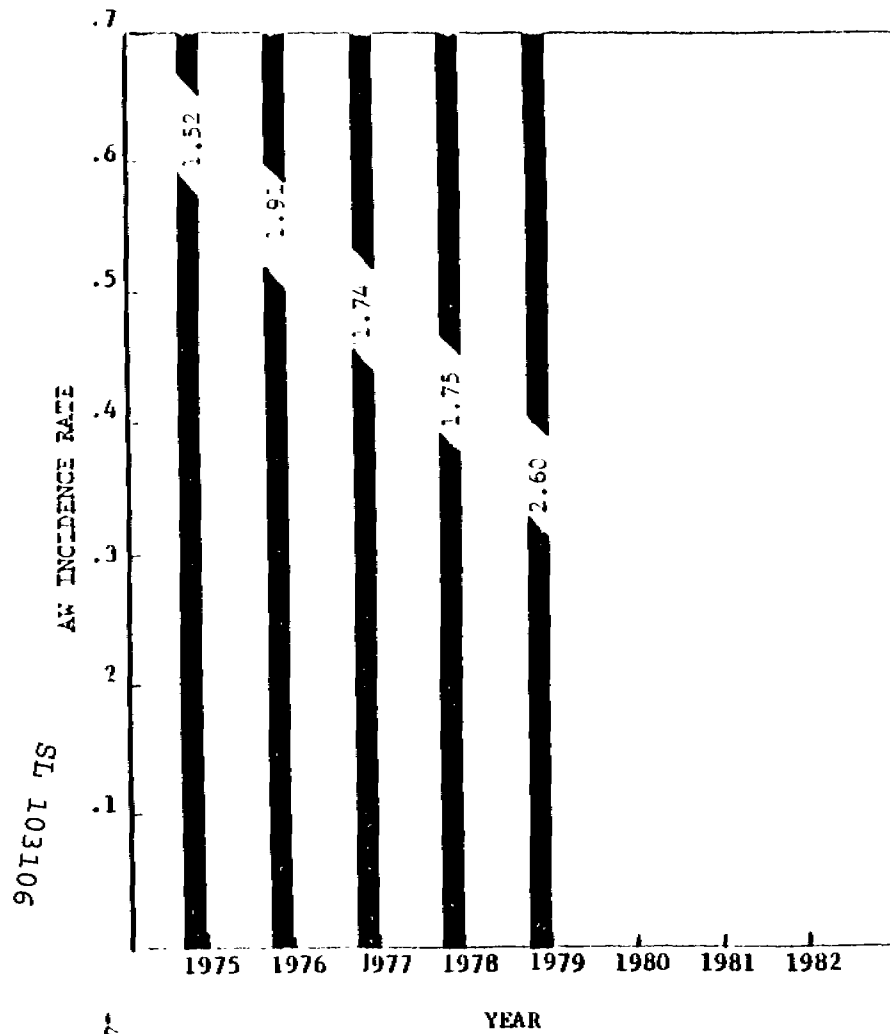


AW DAYS LOST INCIDENCE RATE CHART

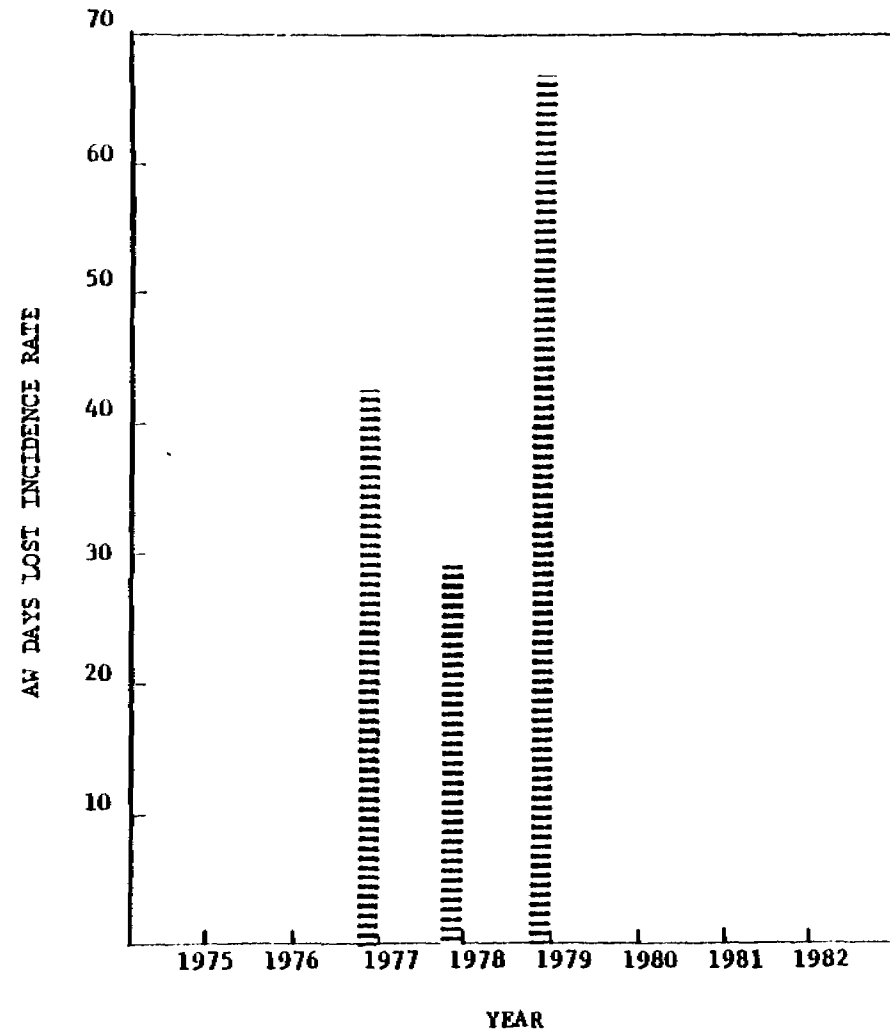


PPG INDUSTRIES, INC.
 CLASS GROUP - C & S DEPT.
AW INJURY EXPERIENCE

AW INCIDENCE RATE CHART



AW DAYS LOST INCIDENCE RATE CHART

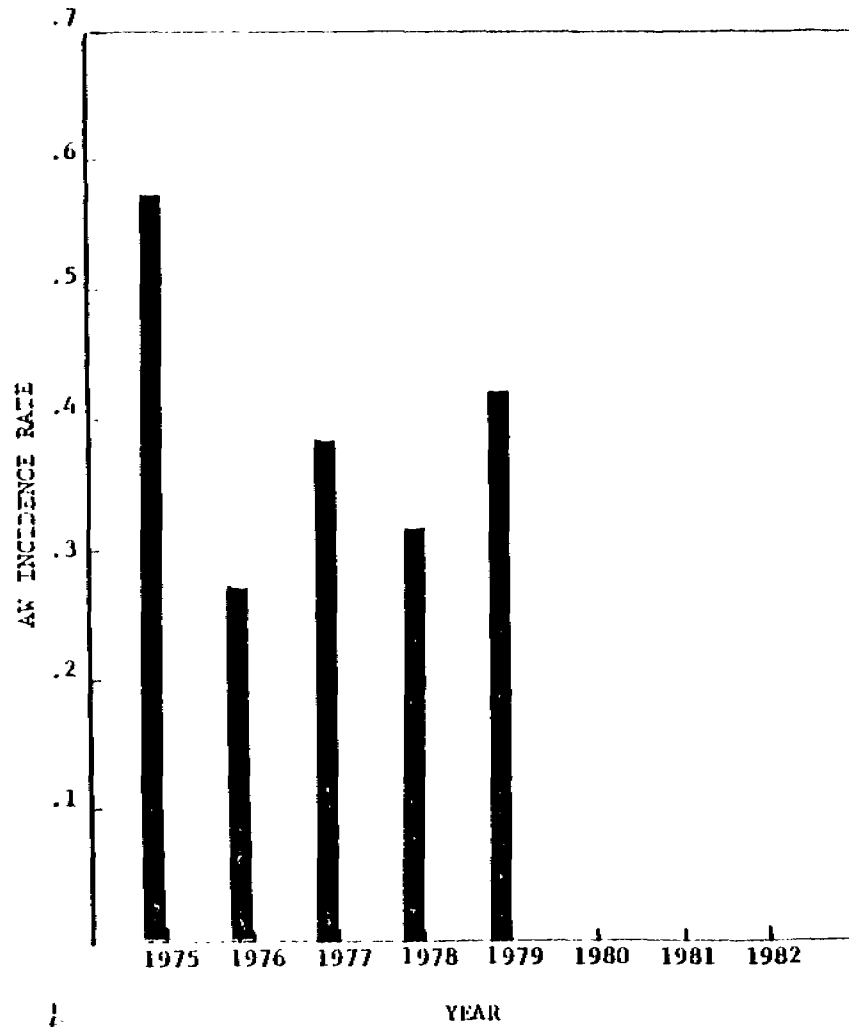


PPG INDUSTRIES, INC.

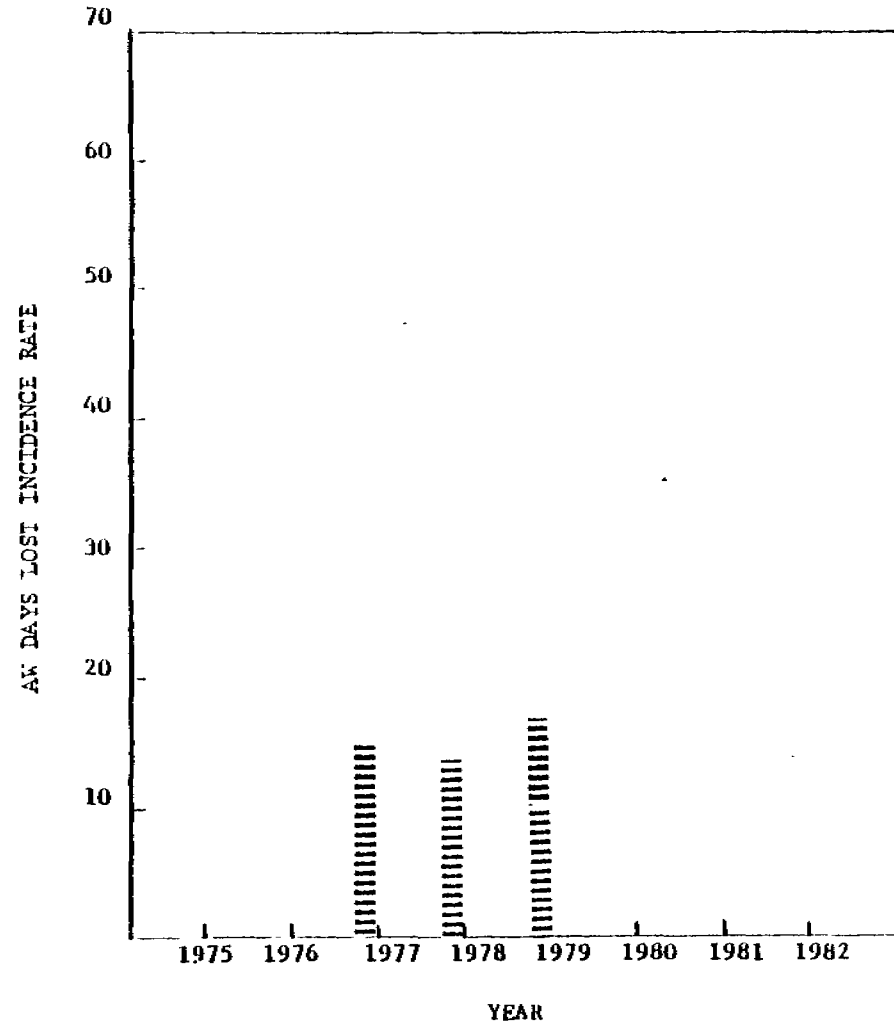
CHEMICALS GROUP TOTAL

AW INJURY EXPERIENCE

AW INCIDENCE RATE CHART

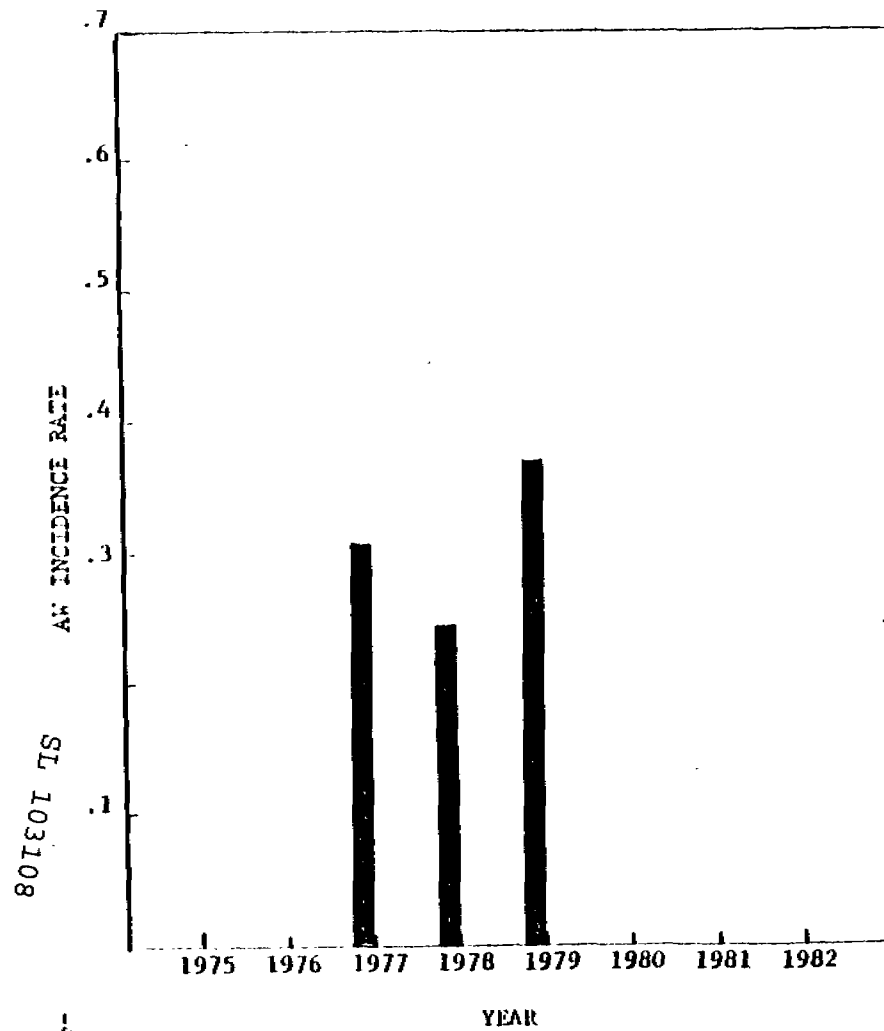


AW DAYS LOST INCIDENCE RATE CHART

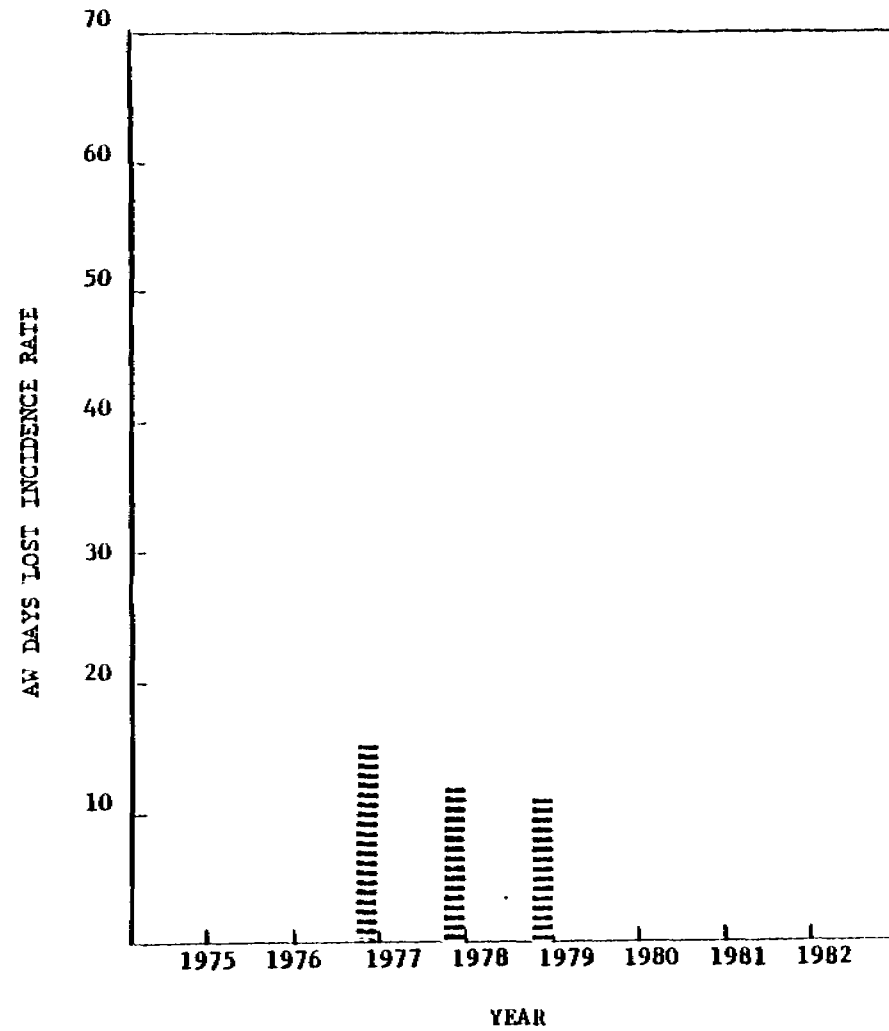


PPG INDUSTRIES, INC.
CHEMICAL DIVISION U.S.
AW INJURY EXPERIENCE

AW INCIDENCE RATE CHART

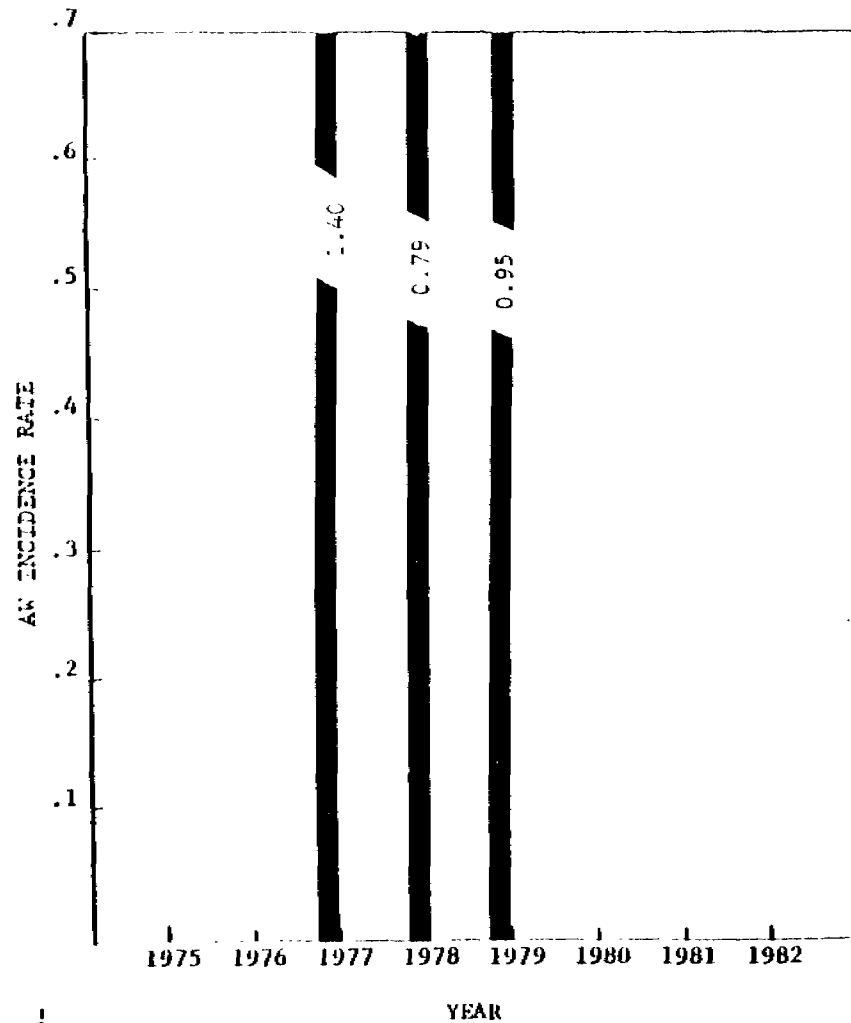


AW DAYS LOST INCIDENCE RATE CHART

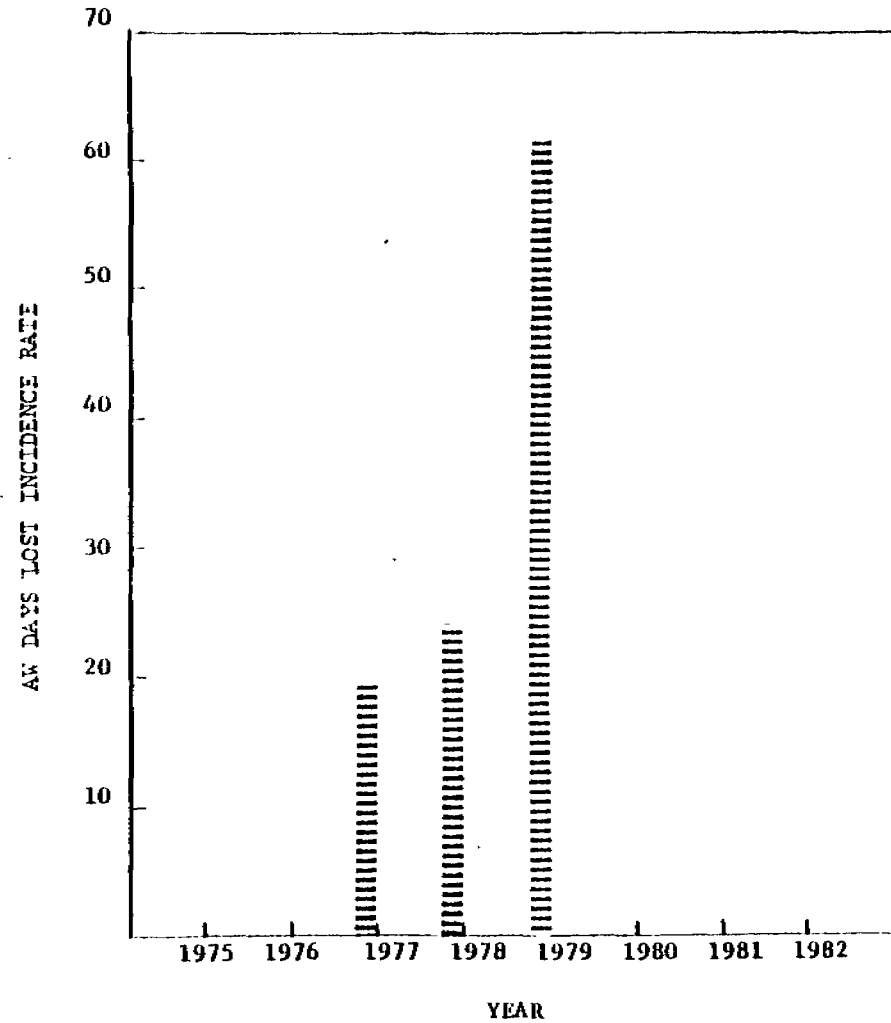


PPG INDUSTRIES, INC.
CHEMICAL DIVISION INTERNATIONAL
AW INJURY EXPERIENCE

AW INCIDENCE RATE CHART



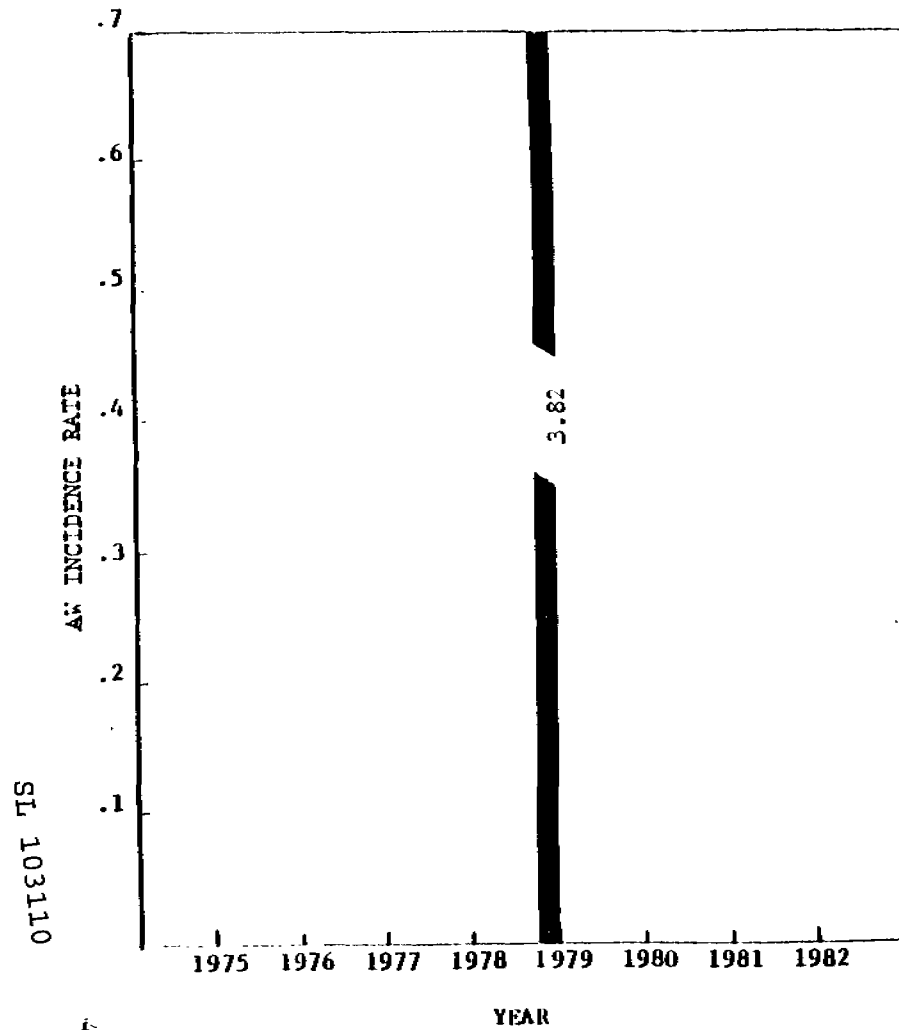
AW DAYS LOST INCIDENCE RATE CHART



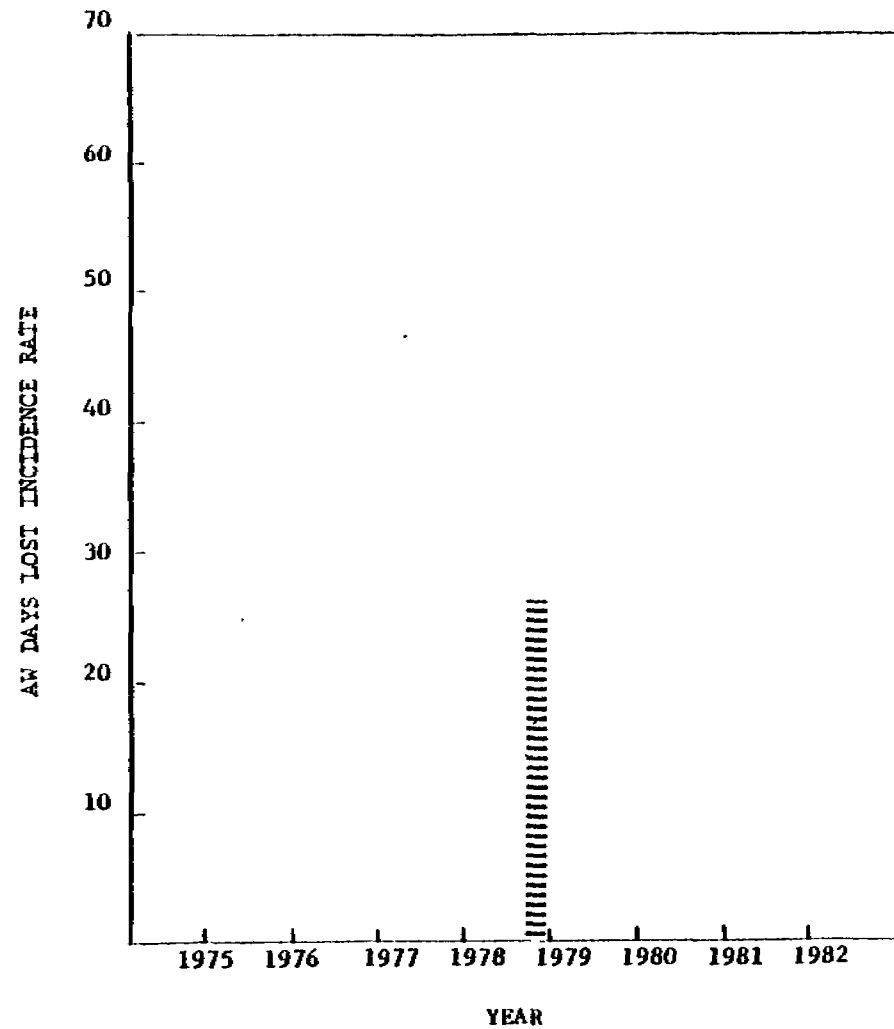
601301 TS

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

AW INCIDENCE RATE CHART



AW DAYS LOST INCIDENCE RATE CHART

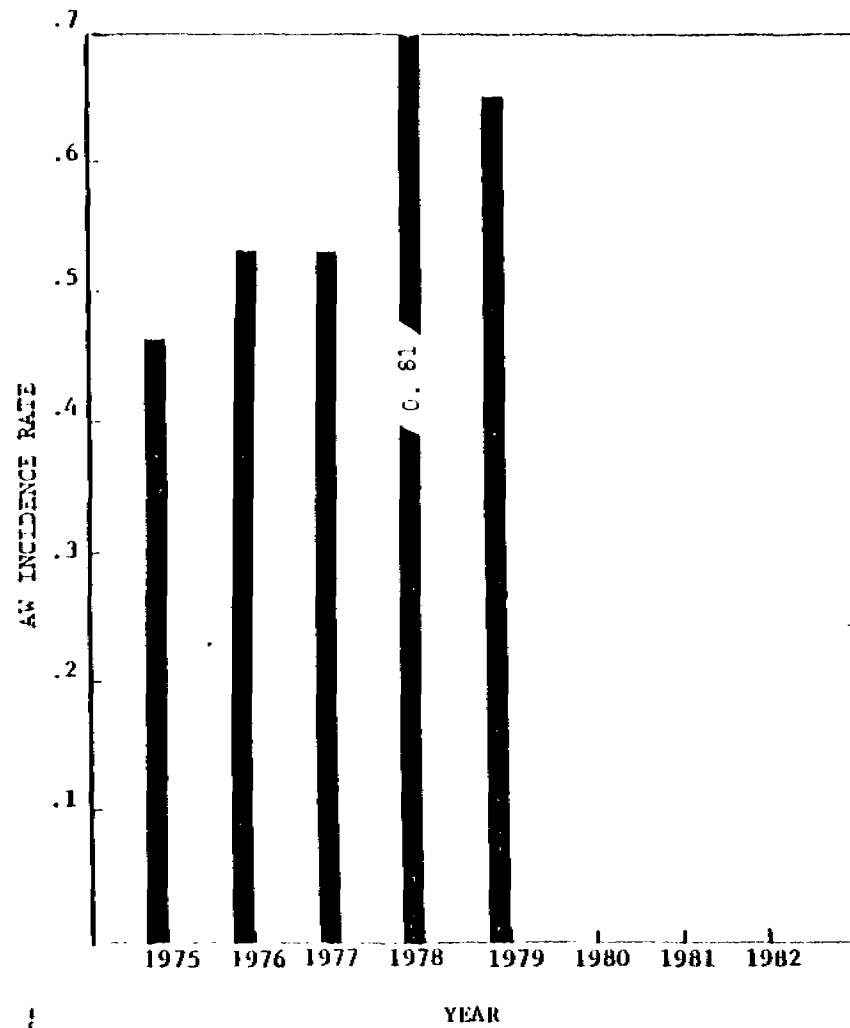


PPG INDUSTRIES, INC.

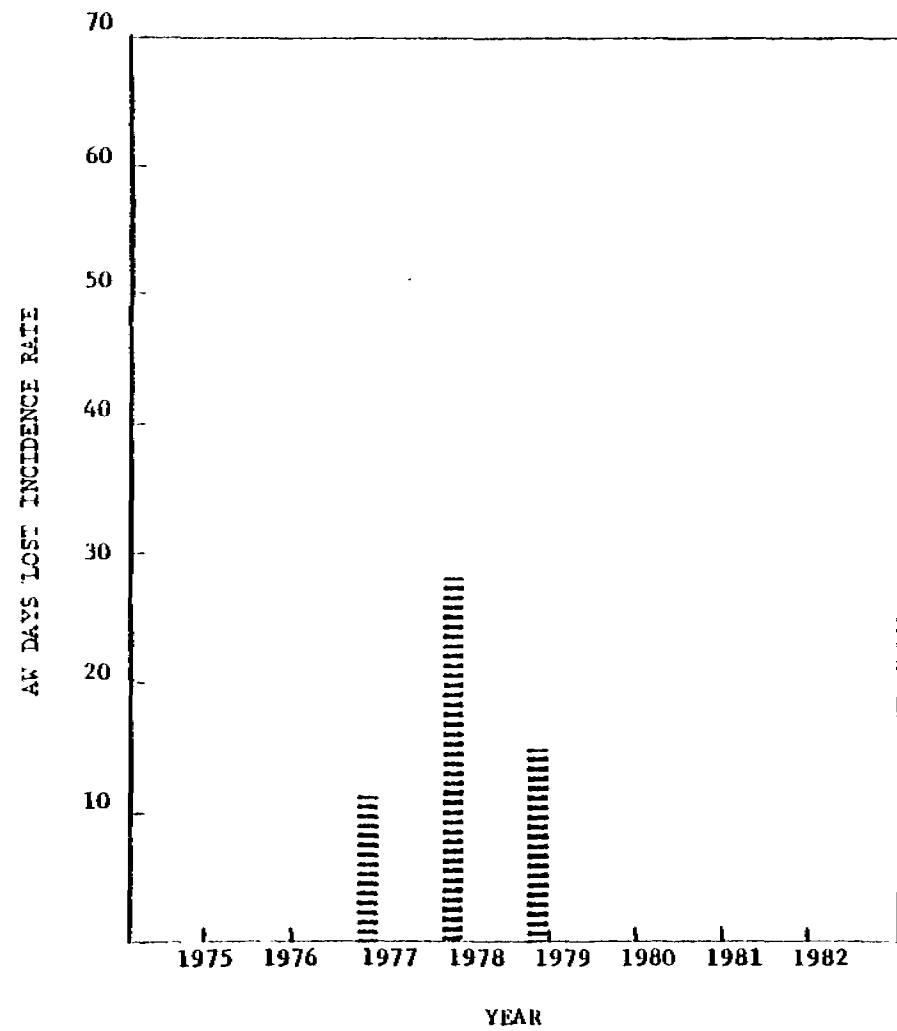
C & R DIVISION TOTAL

AW INJURY EXPERIENCE

AW INCIDENCE RATE CHART



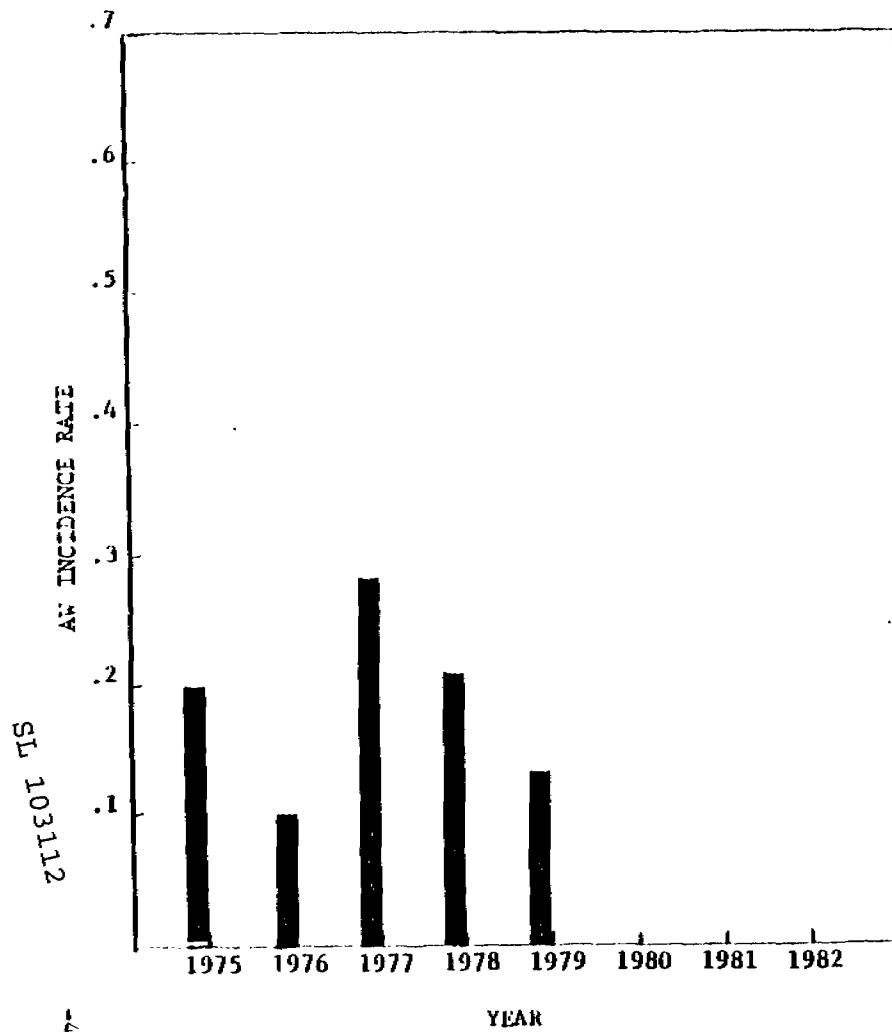
AW DAYS LOST INCIDENCE RATE CHART



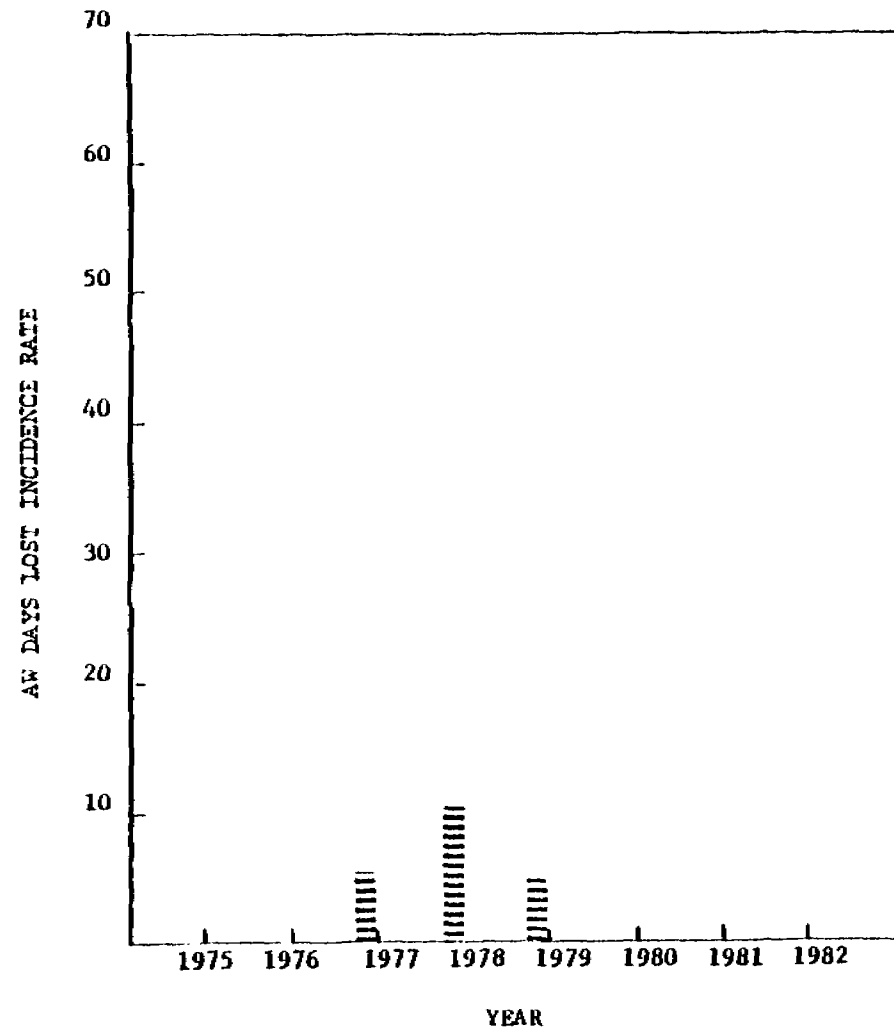
SL 103117

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

AW INCIDENCE RATE CHART

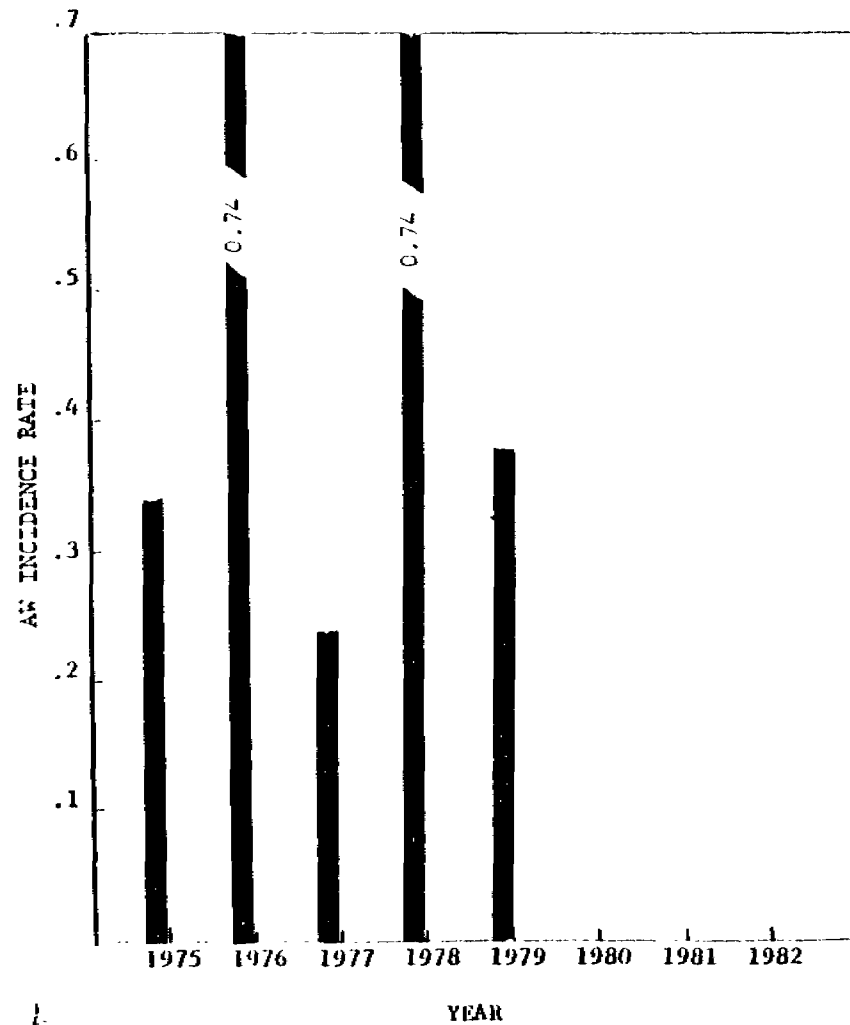


AW DAYS LOST INCIDENCE RATE CHART

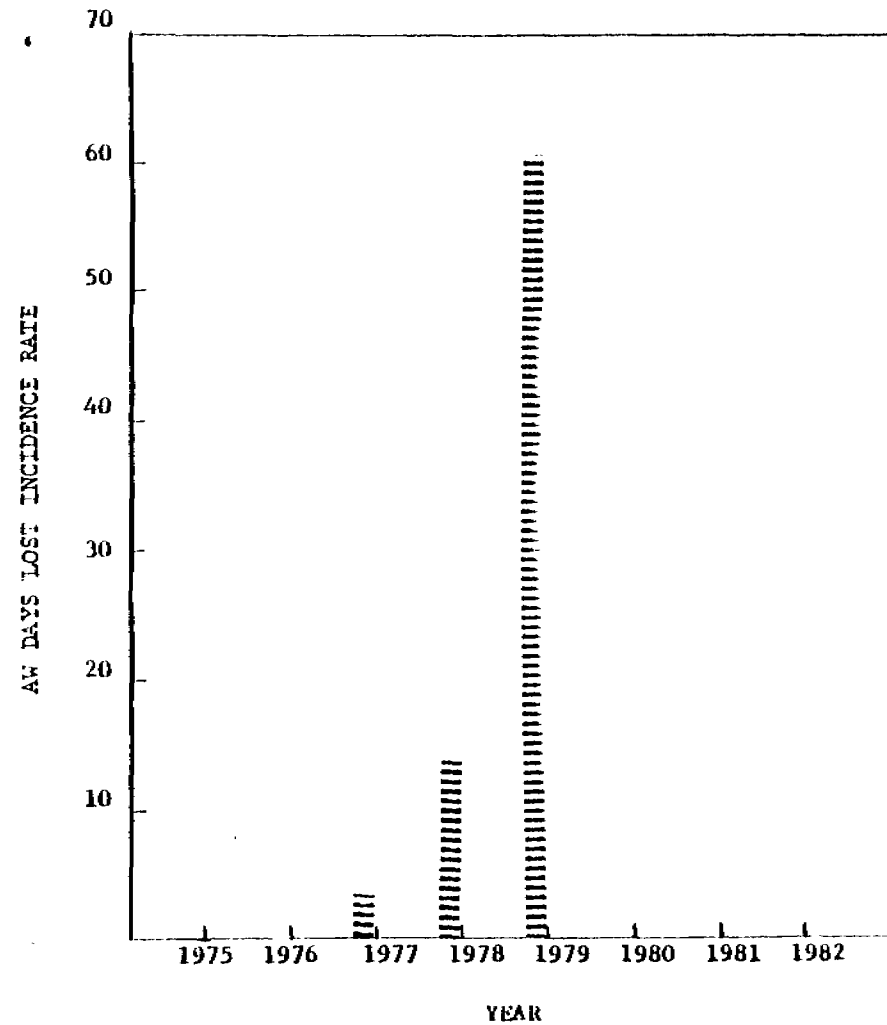


PPG INDUSTRIES, INC.
PLASTICS FABRICATING DIVISION
AW INJURY EXPERIENCE

AW INCIDENCE RATE CHART



AW DAYS LOST INCIDENCE RATE CHART



SL 103113

AWARDS 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 on-going achievements as well as the size of the location.

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

The following summary details our experience in 1979.

SL 103114

PPG INDUSTRIES, INC.
CALENDAR YEAR
AWARDS PROGRAM

1979 Award of Honor

Ten plants, two research and development units, and ten sales and distribution units completed 1979 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.	Third Consecutive Year
Kalium Chemicals, Canada	Third " "
Columbus (Mold), Indiana	Third " "
Woodward, Oklahoma	Second " "
Cleveland, Ohio	
Crystal City, Missouri	
Marshall, Minnesota	
Mt. Zion, Illinois	
Newton, North Carolina	
Tipton, Pennsylvania	

Research & Development Units

Barberton, Ohio, Tech. Center	Seventeenth Consecutive Year
Corpus Christi, Texas, Tech. Center	Second " "

Sales and Distribution Units

Ditzler Warehouses	Seventh Consecutive Year
C&R Industrial Sales	Sixth " "
Chemical-U.S. Sales and Distribution	Second " "
Caribe	
C&R Canada Distribution Centers	
C&R Canada Sales	
C&R Denver Sales	
C&R Houston Sales	
C&R North Atlanta Sales	
C&R Pittsburgh Sales	

SL 103115

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

1978 AWARD OF MERIT PRESENTED IN 1979

MANUFACTURING

Crystal City, MO
Huntsville, AL
Meadville, PA
Newton, NC
Shelby, NC

1979 AWARD OF MERIT APPLICATIONS

MANUFACTURING

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

SL 103116

PPG INDUSTRIES, INC.
ON-GOING RECORDS
AWARDS PROGRAM

In 1977, a new corporate safety award program was added to the Award of Honor and Award of Merit program which are based on a calendar year. These special awards recognize continuing performance without a death or an away from work case. Achievement is based on the size of the workforce and the consecutive days worked without a death or an away from work case. In the order of difficulty of achievement there are Executive, Special Recognition and President's. Those locations earning awards in 1979 were:

<u>Location</u>	<u>Accomplishment</u>	<u>Award</u>
G.R.T.L.	1,880 days through 2/23/79	Special Recognition
Shelby	345 days through 7/27/79	Special Recognition
Corpus Christi	688 days through 4/29/79	Executive
Creighton (Wks. 23)	965 days through 7/9/79	Executive
Lexington	182 days through 10/2/79	Executive
Tipton	412 days through 12/17/79	Executive

PRIVATE TRUCK COUNCIL OF AMERICA
1978 AWARDS PRESENTED IN 1979

<u>Location</u>	<u>Accomplishment</u>	<u>Award</u>
Crestline, OH Fleet	Completed 1978 no accidents.	Gold Seal
Tipton, PA Fleet	Outstanding 5 yr. performance	Silver Seal

SL 103117

NATIONAL SAFETY COUNCIL AWARD PROGRAM

1978 Awards Presented in 1979

Awards of Honor

PPG Industries Total Corporation Performance

Manufacturing

Works 1, Creighton, PA
Wichita Falls, TX
Meadville, PA
Crystal City, MO
Greensburg, PA
Crestline, OH
Lexington, NC
Shelby, NC
Barberton, OH
Delaware, OH

Research & Development

Barberton, OH, Tech. Center

Awards of Merit

Manufacturing

Ford City, PA
Lincoln, IL
Works 23, Creighton, PA
Springdale, PA

Research & Development

Harmarville, PA

Awards of Commendation

Manufacturing

Corpus Christi, TX
Kalium
Radiation Polymer

Research & Development

Corpus Christi, TX, Tech. Center
Fiber Glass Tech. Center

President's Citation

Manufacturing

Woodward, OK

SL 103118

1979
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>Follow Up</u>	<u>Total</u>
Glass	0	1	1	0	0	1	3
C&S Dept.	0	5	4	22	0	0	31
Chemical	0	7	2	0	0	2	11
C&R	0	4	0	0	2	2	8
F/G	1	0	0	0	0	0	1
Plastics	<u>0</u>	<u>1</u>	<u>0</u>	<u>0</u>	<u>1</u>	<u>0</u>	<u>2</u>
TOTAL	1	18	7	22	3	5	56

BY ANALYSIS OF 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	1	2	1	1	\$ 700	\$ 700	0	0
C&S Dept.	14	10	19	6	2,250	375	7	4
Chemical	2	5	1	2	1,600	800	5	0
C&R	2	2	8	2	700	350	3	0
F/G	1	0	0	2	1,200	600	0	0
Plastics	<u>2</u>	<u>0</u>	<u>3</u>	<u>1</u>	<u>280</u>	<u>280</u>	<u>0</u>	<u>0</u>
TOTAL	22	19	32	14	\$6,730	\$ 481	15	4

* Average penalty received per violation assigned penalty.

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

SL 103119

Combined 1971 - 1979
OSHA Inspection Experience
By Reason For Inspection

	<u>Fatality</u>	<u>Employee Complaint</u>	<u>Routine</u>	<u>Sub Contractor</u>	<u>Indus'l Hygiene</u>	<u>Follow Up</u>	<u>Total</u>
Glass	1	22	18	0	5	18	64
C&S Dept.	0	8	29	147	0	3	187
Chemical	3	20	14	1	3	11	52
C&R	0	23	8	0	5	9	45
F/G	1	4	6	0	0	3	14
Plastics	<u>0</u>	<u>2</u>	<u>5</u>	<u>0</u>	<u>1</u>	<u>2</u>	<u>10</u>
TOTAL	5	79	80	148	14	46	372

By Analysis of 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>Amount of Penalties</u>	<u>*Avg. Penalty Received</u>	<u>Results Not Received</u>	<u>**Contested Violations</u>
Glass	33	31	158	64	\$ 6,290	98	0	7
C&S Dept.	149	31	293	127	19,268	152	7	28
Chemical	16	32	32	26	1,110	43	5	17
C&R	19	22	52	20	2,470	124	3	3
F G	6	8	24	10	1,525	153	0	0
Plastics	<u>6</u>	<u>4</u>	<u>51</u>	<u>13</u>	<u>740</u>	<u>57</u>	<u>0</u>	<u>0</u>
TOTAL	229	128	610	260	\$31,403	121	15	55

*Average penalty received per violation assigned penalty.

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

SL 103120

1979 VISITATION MATRIX

CITY	STATE OR PROVINCE	LOCATION NAME	DIVISION	SAFETY	HEALTH	MEDICAL	FIRE	SECURITY	FLEET
CARIBI	PUERTO RICO	CARIBE	CHEMICAL						
LAKE CHARLES	LOUISIANA	LAKE CHARLES	CHEMICAL	3X	X		1X	X	
NEW MARTINSVILLE	WEST VIRGINIA	NATRIUM	CHEMICAL	2X	2X		2X		
BEAUMONT	TEXAS	BEAUMONT	CHEMICAL		2X				
CORPUS CHRISTI	TEXAS	CORPUS R & D	CHEMICAL	X					
BARBERTON	OHIO	BARBERTON MFG	CHEMICAL		5X				
BARBERTON	OHIO	BARBERTON R & D	CHEMICAL						
BEAUMARQUIS	QUEBEC	BEAUMARQUIS	CHEMICAL	X	X		X		
REGINA	SASKATCHEWAN	KALIUM	CHEMICAL	X					
WOODWARD	OKLAHOMA	WOODWARD	CHEMICAL						
PITTSBURGH	PENNSYLVANIA	US SILS-IST	CHEMICAL						
MONTREAL	QUEBEC	STANCHUM	CHEMICAL	X					X
LA PORTE	TEXAS	LA PORTE	CHEMICAL	MULTIPLE X	MULTIPLE X	X	2X	X	
STOCKERTOWN	PENNSYLVANIA	STOCKERTOWN	CHEMICAL	MULTIPLE X	4X		X		X
CHICAGO	ILLINOIS	CHICAGO R&D	CHEMICAL	X	4X	X			
CRITICHTON	PENNSYLVANIA	WORKS 1	GLASS	2X	MULTIPLE X	X			
WHEELING FALLS	TEXAS	WORKS 4	GLASS	X	1X				
TORR CITY	PENNSYLVANIA	WORKS 5	GLASS	X	MULTIPLE X		2X		
CARTERS	PENNSYLVANIA	WORKS 6	GLASS	X	5X		X		X
CUMBERLAND	MARYLAND	WORKS 7	GLASS	X	6X			X	
MEADVILLE	PENNSYLVANIA	WORKS 8	GLASS	2X	5X	X			X
CRYSTAL CITY	MISSOURI	WORKS 9	GLASS	X	3X		2X		
MT. ZION	ILLINOIS	WORKS 14	GLASS	X	5X				
FRESNO	CALIFORNIA	WORKS 15	GLASS	X	3X				
MARSHALL	MINNESOTA	WORKS 20	GLASS	X			X		
ELMOH	ILLINOIS	WORKS 21	GLASS	X	2X				
HUNTSVILLE	ALABAMA	WORKS 22	GLASS	X	X				
GREIGTON	PENNSYLVANIA	WORKS 23	GLASS	2X	MULTIPLE X				
VALFORDIA	CALIFORNIA	WORKS 24	GLASS	X	3X				
GREENSBURG	PENNSYLVANIA	WORKS 25	GLASS	X	2X			X	
CRESTLINE	OHIO	WORKS 26	GLASS	X	X	X			
TIPTON	PENNSYLVANIA	WORKS 27	GLASS	X	1X		X		X
EVANSVILLE	INDIANA	WORKS 28	GLASS						
KOKOMO	INDIANA	WORKS 19	GLASS	X	1X				
		ARC CENTER	GLASS	MULTIPLE X	MULTIPLE X				
		WORKS 17	GLASS	X	MULTIPLE X				
		EASTERN BRANCH	GLASS	MULTIPLE X					1X
		METAL FAB	GLASS	X					

CITY	STATE OR PROVINCE	LOCATION NAME	DIVISION	SAFETY	HEALTH	MEDICAL	FIRE	SECURITY	FLEET
		FAB PRODUCTS	GLASS	X					
		CENTRAL BRANCH	GLASS	MULTIPLE X					3X
		WESTERN BRANCH	GLASS	MULTIPLE X					7X
		C. C. G.	GLASS	MULTIPLE X					
		ARG DEPOS	GLASS	MULTIPLE X					
BALTIMORE	MARYLAND	BALTIMORE	C & R	X				X	
DELAWARE	OHIO	DELAWARE	C & R	2X					X
SPRINGDALE	PENNSYLVANIA	SPRINGDALE MFG	C & R		X		X		
SPRINGDALE	PENNSYLVANIA	ALL R & D	C & R			X		2X	
PLAIN FIELD	ILLINOIS	RAD POLYMER	C & R						
TORRANCE	CALIFORNIA	TORRANCE MFG	C & R	2X					X
CLEVELAND	OHIO	CLEVELAND	C & R	X					X
CINCINNATI	OHIO	CINCINNATI	C & R	2X			2X		
DOVER	DELAWARE	DOVER	C & R	X					
EAST POINT	GEORGIA	EAST POINT	C & R	X		X			
OAK CREEK	MICHIGAN	OAK CREEK	C & R	2X		X			
HOUSTON	TEXAS	HOUSTON	C & R	X					
		HOUSTON	C & R	X					
		ATLANTA SLS	C & R	MULTIPLE X					
		CHICAGO SLS	C & R	MULTIPLE X					
		PHI SLS	C & R	MULTIPLE X					
		L. A. SLS	C & R	MULTIPLE X					
		ST. LOUIS SLS	C & R	MULTIPLE X					
		NEW YORK SLS	C & R	MULTIPLE X					
		INDUST SLS	C & R						
		REFURISH SLS	C & R						
		DST CENTERS	C & R	X					
		DITZLER WISE	C & R						
CLARKSON	ONTARIO	CLARKSON	C & R	X					
TORONTO	ONTARIO	TORONTO	C & R	X					
		CANADA REGN	C & R						
		DST CIR CAN	C & R	X					
SHELDON	NORTH CAROLINA	WORKS 52	FIBER GLASS	X	MULTIPLE X	X	X	X	
LEXINGTON	NORTH CAROLINA	WORKS 53	FIBER GLASS	3X	MULTIPLE X	X		X	
UNDER HURLOCK	PENNSYLVANIA	G. R. T. L.	FIBER GLASS	X	3X				
FT. LAUDERDALE	FLORIDA	WORKS 56	FIBER GLASS						
BLANCK	PENNSYLVANIA	ALL R & D	FIBER GLASS	2X	2X	X	3X	X	
COLUMBUS	INDIANA	COLUMBUS PLS	PLASTIC FAB	X	3X			X	
COLUMBUS	INDIANA	COLUMBUS BLD	PLASTIC FAB		X			X	
NEWTON	NORTH CAROLINA	NEWTON	PLASTIC FAB					X	
PITTSBURGH	PENNSYLVANIA	GENERAL OFFICE	CORPORATE						

SL 103122

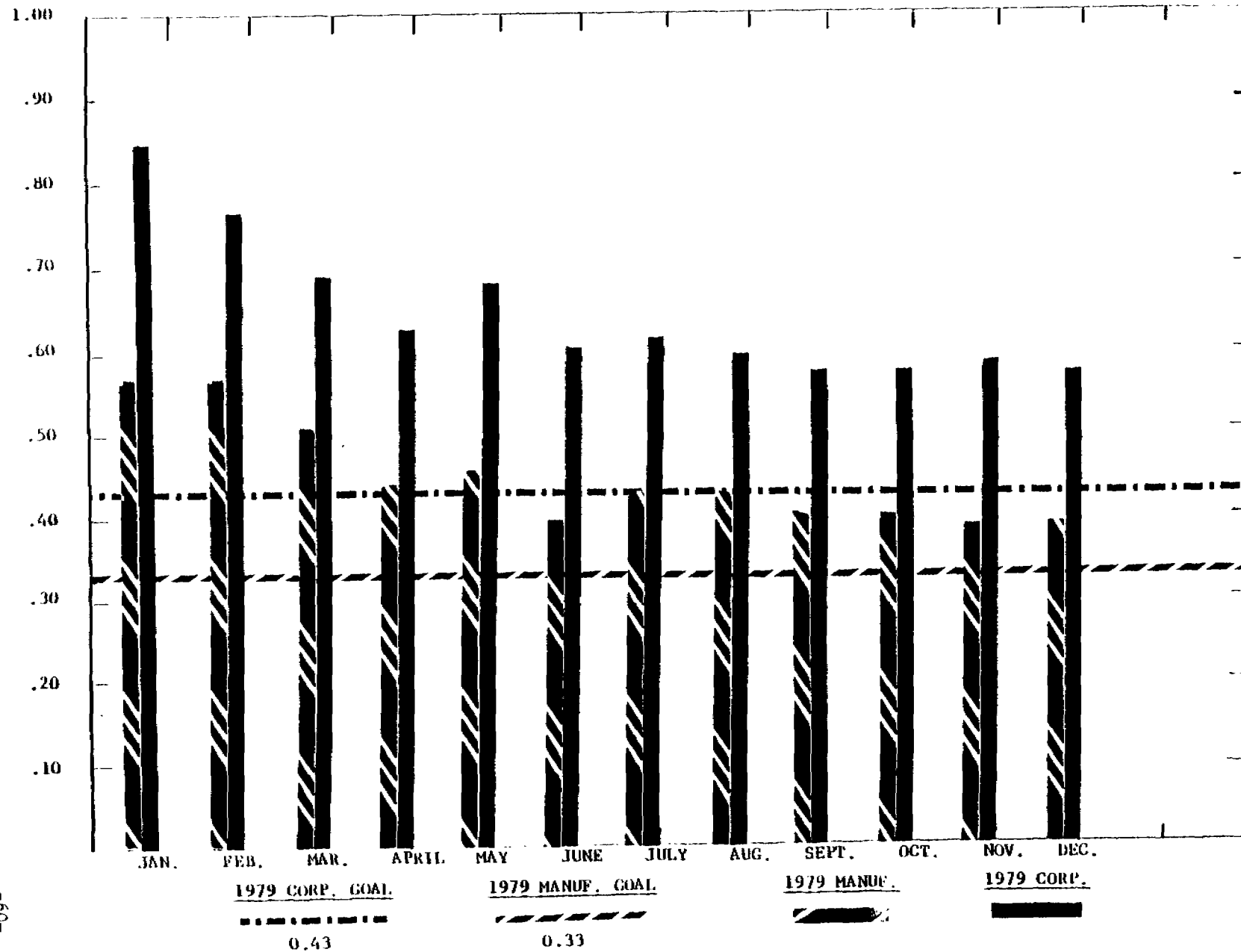
1979 OCCUPATIONAL INJURY AND ILLNESS REPORT

The following statistical report contains all final information on all Recordable Case incidence rates, manhours worked, direct costs, and numbers of cases by location. This report is an updated December 1979 report and reflects all changes necessary due to errors in reporting throughout 1979. This report is now final and becomes the PPG official record.

SL 103123

PPG INDUSTRIES, INC.

1979 INJURY/ILLNESS EXPERIENCE



SL 103124

PPG INDUSTRIES INC.
SAFETY SYSTEM
RECORDABLE WORK INJURY/ILLNESS REPORT
DECEMBER 1979

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

SUMMARY(US OPER.)

	HRS YTD (000)	NSC CASES MO	NSC YR	GOAL	NSC RATE CURR	NSC 3 YR	COST D YTD T (000) II	MO	AW YR	MO	YR	CASES TOTAL MO	YR	MO	YR	LOST TOTAL MO	YR	NF CASES MO	YR	RC	LW	AW	NF AWDL	TDL
MANUFACTURE																								
PLASTICS FAB	1045	0	2	0.00	0.38	0.58	37	0	0	2	0	2	74	319	74	319	0	9	2.10	0.38	0.38	1.72	61.0	61.0
FIBERGLASS	7010	1	5	0.19	0.14	0.21	190	0	1	5	10	292	82	245	397	3101	6	118	11.70	8.33	0.14	3.37	6.9	88.5
CHEMICAL	8914	1	17	0.27	0.38	0.32	392	0	1	17	13	217	146	554	446	4023	14	178	8.86	4.87	0.38	3.99	12.4	90.3
COATINGS&RES	6431	2	22	0.50	0.68	0.64	349	0	2	22	3	84	176	705	305	1448	3	75	4.94	2.61	0.68	2.33	21.9	45.0
GLASS	20193	2	42	0.37	0.42	0.42	998	0	2	42	9	162	464	2000	958	4873	21	415	5.71	1.60	0.42	4.11	19.8	48.3
TOTAL MM	43595	6	88	0.33	0.40	0.40	1968	0	6	88	35	757	942	3823	2180	13764	44	795	7.12	3.47	0.40	3.65	17.5	63.1
R & D																								
FIBERGLASS	599	0	1	0.00	0.33	0.11	20	1	0	0	0	0	0	0	0	0	0	5	2.00	0.00	0.00	1.67	0.0	0.0
CHEMICAL	700	0	0	0.00	0.00	0.20	2	0	0	0	0	2	0	0	0	47	0	4	1.71	0.57	0.00	1.14	0.0	13.4
COATINGS&RES	1141	0	2	0.35	0.35	0.46	31	0	0	2	0	3	0	16	0	44	0	11	2.45	0.53	0.35	1.93	2.8	7.7
GLASS	781	0	1	0.27	0.26	0.00	4	0	0	1	0	2	0	15	0	17	3	10	3.07	0.51	0.26	2.56	3.8	4.3
TOTAL MM	3222	0	4	0.19	0.25	0.22	57	1	0	3	0	7	0	31	0	108	3	30	2.36	0.43	0.19	1.86	1.9	6.7
SALES DST-AD																								
GENERAL OFF.	5114	0	5	0.12	0.20	0.19	6	0	0	5	0	5	0	63	0	63	1	13	0.70	0.20	0.20	0.51	2.4	2.5
CHEMICAL	302	1	1	0.00	0.66	0.00	0	0	1	1	1	1	20	20	20	20	1	1	1.32	0.66	0.66	0.66	13.2	13.2
COATINGS&RES	3516	2	12	0.62	0.68	0.67	29	0	2	12	4	23	33	120	56	262	0	34	3.24	1.31	0.68	1.93	6.8	14.9
GLASS	5507	4	70	1.08	2.54	1.76	962	0	4	70	5	74	451	1819	452	1902	17	214	10.46	2.69	2.54	7.77	66.0	69.1
TOTAL MM	14440	7	88	0.71	1.22	0.89	998	0	7	88	10	103	504	2022	528	2247	19	262	5.06	1.43	1.22	3.63	28.0	31.1
DIVISIONS																								
PLASTICS FAB	1045	0	2	0.00	0.38	0.58	37	0	0	2	0	2	74	319	74	319	0	9	2.10	0.38	0.38	1.72	61.0	61.0
FIBERGLASS	7609	1	6	0.18	0.16	0.20	210	1	1	5	10	292	82	245	397	3101	6	123	10.93	7.67	0.13	3.23	6.4	81.5
GENERAL OFF.	5114	0	5	0.12	0.20	0.19	6	0	0	5	0	5	0	63	0	63	1	13	0.70	0.20	0.20	0.51	2.5	2.5
CHEMICAL	9918	2	18	0.24	0.36	0.30	394	0	2	18	14	220	166	574	466	4090	15	183	8.13	4.44	0.36	3.69	11.6	82.5
COATINGS&RES	11089	4	36	0.52	0.65	0.63	410	0	4	36	7	110	209	841	361	1754	3	120	4.15	1.98	0.65	2.16	15.2	31.6
GLASS	26482	6	113	0.59	0.85	0.68	1965	0	6	113	14	238	915	3834	1410	6792	41	639	6.62	1.80	0.85	4.83	29.0	51.3
TOTAL MM	61258	13	180	0.43	0.59	0.51	3024	1	13	179	45	867	1446	5876	2708	16119	66	1087	6.38	2.83	0.58	3.55	19.2	52.6

DIH = 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 103125

PPG INDUSTRIES INC.
SAFETY SYSTEM
RECORDABLE WORK INJURY/ILLNESS REPORT
DECEMBER 1979

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

GLASS GROUP

		IMS YTD (000)	NSC CASES MO YR	***** GOAL	NSC RATE CURR	***** 3 YR	COST D YTD T (000) H.	MO	AW YR	MO	CASES TOTAL YR	***** MO	DAYS AW YR	LOST TOTAL MO	***** YR	NF CASES MO	***** YR	RC	LW	AW	NF	AWDL	TDL	
FLAT GL DIV. MANUFACTURE PRIM GL																								
WORKS NO.	4	2308	0	5	0.27	0.43	87	0	0	5	0	9	0	130	0	215	6	81	7.80	0.78	0.43	7.02	11.3	18.6
WORKS NO.	6	2200	0	5	0.30	0.45	27	0	0	5	1	14	0	247	20	410	0	13	2.45	1.27	0.45	1.18	22.5	37.3
WORKS NO.	7	1208	2	6	0.43	0.99	56	0	2	6	2	13	100	184	124	328	3	35	7.94	2.15	0.99	5.79	30.4	54.3
WORKS NO.	8	1356	0	3	0.41	0.44	27	0	0	3	1	11	0	198	131	598	1	34	6.63	1.62	0.44	5.01	29.2	88.2
WORKS NO.	9	1177	0	0	0.34	0.00	28	0	0	0	0	2	0	0	0	16	1	53	9.34	0.34	0.00	9.00	0.0	2.7
WORKS NO.	14	512	0	0	0.50	0.00	99	0	0	0	0	5	0	0	0	50	0	12	6.63	1.95	0.00	4.68	0.0	19.5
WORKS NO.	15	761	0	3	0.50	0.79	109	0	0	3	1	38	110	361	224	998	0	12	13.13	9.98	0.79	3.15	94.8	262.1
TOTAL **		9525	2	22	0.36	0.46	436	0	2	22	5	92	210	1120	499	2615	11	240	6.97	1.93	0.46	5.04	23.5	54.9
GLASS EDGE																								
WORKS NO.	20	453	0	0	0.33	0.00	10	0	0	0	0	2	0	0	0	5	0	6	3.53	0.88	0.00	2.65	0.0	2.2
WORKS NO.	21	632	0	1	0.28	0.32	26	0	0	1	0	1	0	51	0	51	1	10	3.48	0.32	0.32	3.16	16.1	16.1
TOTAL **		1085	0	1	0.30	0.18	37	0	0	1	0	3	0	51	0	56	1	16	3.50	0.55	0.18	2.95	9.4	10.3
ENVIRON GL																								
WORKS NO.	5	1320	0	5	0.30	0.76	119	0	0	5	1	20	117	217	178	905	1	29	7.42	3.03	0.76	4.39	32.9	137.1
TOTAL **		1320	0	5	0.30	0.76	119	0	0	5	1	20	117	217	178	905	1	29	7.42	3.03	0.76	4.39	32.9	137.1
TOTAL **		11931	2	28	0.35	0.47	593	0	2	28	6	115	327	1388	677	3576	13	285	6.70	1.93	0.47	4.78	23.3	59.9
SALES-DST C & S																								
CCG		1100	2	18	3.06	3.27	0	0	2	18	3	19	251	766	252	767	3	44	11.45	3.45	3.27	7.99	39.2	139.3
WORKS NO.	19	268	0	2	0.00	1.49	2	0	0	2	0	3	0	22	0	26	0	7	7.46	2.24	1.49	5.22	16.4	19.4
EASTERN BR.		852	0	7	0.76	1.64	960	0	0	7	0	8	21	186	21	217	2	13	4.93	1.88	1.64	3.05	43.6	50.9
ARG CENTERS		400	0	6	0.83	3.00	0	0	0	6	0	6	0	59	0	59	1	7	6.49	3.00	3.00	3.49	29.5	29.5
CENTRAL BR.		821	0	12	0.87	2.92	0	0	0	12	0	12	74	365	74	365	2	24	8.76	2.92	2.92	5.84	88.8	88.8
WESTERN BR.		1282	1	7	1.12	1.09	0	0	1	7	1	8	33	56	33	103	6	66	11.54	1.25	1.09	10.30	8.7	16.1
FAB. PROD.		430	1	15	1.62	6.96	0	0	1	15	1	15	72	281	72	281	3	47	28.79	6.96	6.96	21.82	30.5	130.5
METAL FAB.		148	0	2	1.42	2.70	0	0	0	2	0	2	0	50	0	50	0	6	10.80	2.70	2.70	8.10	67.5	67.5
TOTAL **		5305	4	69	1.30	2.60	962	0	4	69	5	73	451	1785	452	1868	17	214	10.82	2.75	2.60	8.07	67.3	70.4
TOTAL **		5305	4	69	1.30	2.60	962	0	4	69	5	73	451	1785	452	1868	17	214	10.82	2.75	2.60	8.07	67.3	70.4
TOTAL **		17237	6	97	0.66	1.13	1556	0	6	97	11	188	778	3173	1129	5444	30	499	7.97	2.18	1.13	5.79	36.8	63.2

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

PPG INDUSTRIES INC.
SAFETY SYSTEM
RECORDABLE WORK INJURY/ILLNESS REPORT
DECEMBER 1979

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

GLASS GROUP

		IRS YTD (000)	NSC CASES MO YR	***** GOAL	NSC RATE CURR	***** 3 YR	COST D YTD T (000) H.MO	** LW AW YR MO	CASES*** TOTAL YR MO	DAYS LOST MO YR	***** TOTAL MO YR	NF CASES MO YR	***** RC	INCIDENCE LW	RATES AW	***** NF	***** ANDL	***** TDL							
AUTO AIR GL DIV																									
MANUFACTURE																									
AUTO OEM																									
WORKS NO.	1	1723	0	3	0.34	0.35	0.16	90	0	0	3	0	6	5	88	5	141	4	69	8.71	0.70	0.35	8.01	10.2	16.4
WORKS NO.	25	1001	0	4	0.50	0.80	0.63	149	0	0	4	3	23	45	136	77	484	1	11	6.79	4.59	0.80	2.20	27.2	96.7
WORKS NO.	26	2059	0	3	0.33	0.29	0.24	60	0	0	3	0	9	0	160	50	297	1	17	2.52	0.87	0.29	1.65	15.5	28.8
WORKS NO.	27	1557	0	0	0.30	0.00	0.42	33	0	0	0	0	4	0	0	0	49	0	13	2.18	0.51	0.00	1.67	0.0	6.3
TOTAL **		6341	0	10	0.35	0.32	0.31	334	0	0	10	3	42	50	384	132	971	6	110	4.79	1.32	0.32	3.47	12.1	30.6
AIRCRAFT																									
WORKS NO.	22	1136	0	2	0.20	0.35	0.16	9	0	0	2	0	2	5	57	5	57	0	4	1.06	0.35	0.35	0.70	10.0	10.0
WORKS NO.	23	274	0	0	0.00	0.00	0.27	0	0	0	0	0	0	0	0	0	0	1	6	4.37	0.00	0.00	4.37	0.0	0.0
WORKS NO.	24	508	0	2	1.32	0.79	2.19	60	0	0	2	0	3	82	171	144	269	1	10	5.11	1.18	0.79	3.93	67.2	105.7
TOTAL **		1919	0	4	0.61	0.42	0.51	70	0	0	4	0	5	87	228	149	326	2	20	2.60	0.52	0.42	2.08	23.8	34.0
TOTAL **		8261	0	14	0.42	0.34	0.35	404	0	0	14	3	47	137	612	281	1297	8	130	4.28	1.14	0.34	3.15	14.8	31.4
SALES-DSI																									
ARG DEPOTS																									
		201	0	1	1.08	0.99	1.27	0	0	0	1	0	1	0	34	0	34	0	0	0.99	0.99	0.99	0.00	33.7	33.7
TOTAL **		201	0	1	1.08	0.99	1.27	0	0	0	1	0	1	0	34	0	34	0	0	0.99	0.99	0.99	0.00	33.7	33.7
TOTAL **		8463	0	15	0.43	0.35	0.37	404	0	0	15	3	48	137	646	281	1331	8	130	4.21	1.13	0.35	3.07	15.3	31.5
R & D																									
HARMARVILLE																									
		781	0	1	0.27	0.26	0.00	4	0	0	1	0	2	0	15	0	17	3	10	3.07	0.51	0.26	2.56	3.8	4.3
TOTAL **		781	0	1	0.27	0.26	0.00	4	0	0	1	0	2	0	15	0	17	3	10	3.07	0.51	0.26	2.56	3.8	4.3
TOTAL **		781	0	1	0.27	0.26	0.00	4	0	0	1	0	2	0	15	0	17	3	10	3.07	0.51	0.26	2.56	3.8	4.3
GROUP TOTAL **		26482	6	113	0.59	0.85	0.68	1965	0	6	113	14	238	915	3834	1410	6792	41	639	6.62	1.80	0.85	4.83	29.0	51.3

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 103127

PPG INDUSTRIES INC.
SAFETY SYSTEM
RECORDABLE WORK INJURY/ILLNESS REPORT
DECEMBER 1979

ALL TIME DIVISIONAL RECORD
DAYS- 2,987 BARBERTON
HOURS- 5,291,265 CARIBE

CHEMICAL GROUP ALL OPER.

	HRS YTD (000)	NSC CASES MO	NSC YR	***** GOAL	NSC RATE CURR	***** 3 YR	COST D YTD T (000) H.	D MO	** AM	LW YR	CASES MO	** TOTAL	***** AM	DAYS YR	LOST MO	***** TOTAL	NF CASES MO	NF YR	***** RC	INCIDENCE LW	RATES AM	***** NF	AWDL	TDL
MANUFACTURE																								
BARBERTON	1916	0	4	0.31	0.42	0.28	134	0	0	4	6	90	0	84	70	1475	9	70	16.69	9.39	0.42	7.30	8.81	53.9
BEAUMONT	322	0	4	0.67	2.48	1.61	0	0	0	4	2	31	48	305	125	637	0	11	26.05	19.23	2.48	6.82	89.2	395.2
BEAUMONT	990	0	2	0.19	0.40	0.26	39	0	0	2	1	53	53	109	97	1238	1	10	12.72	10.70	0.40	2.02	22.0	250.0
CORPUS CHRIS	269	0	0	0.53	0.00	0.24	32	0	0	0	0	4	0	0	0	61	0	13	12.60	2.97	0.00	9.64	0.0	45.2
KALIUM	353	0	0	0.56	0.00	0.00	0	0	0	0	0	2	0	0	17	26	0	1	1.70	1.13	0.00	0.57	0.0	14.7
LAKE CHARLES	4017	1	8	0.21	0.40	0.27	125	0	1	8	6	63	41	207	166	907	4	76	6.92	3.14	0.40	3.78	10.3	45.1
MATRIUM	1672	0	3	0.25	0.36	0.49	59	0	0	3	0	7	52	154	113	342	0	9	1.91	0.84	0.36	1.08	18.4	40.9
WOODWARD	46	0	0	4.22	0.00	1.95	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 **	9590	1	21	0.29	0.44	0.35	392	0	1	21	15	250	194	859	588	4686	14	190	9.18	5.21	0.44	3.96	17.9	97.7
R & D																								
BARBERTON	453	0	0	0.00	0.00	0.00	1	0	0	0	0	2	0	0	0	47	0	1	1.32	0.88	0.00	0.44	0.0	20.7
CORPUS CHRIS	247	0	0	0.00	0.00	0.54	0	0	0	0	0	0	0	0	0	0	0	3	2.43	0.00	0.00	2.43	0.0	0.0
TOTAL **	700	0	0	0.00	0.00	0.20	2	0	0	0	0	2	0	0	0	47	0	4	1.71	0.57	0.00	1.14	0.0	13.4
SALES																								
SLS-DST																								
STANCHEM	280	1	1	0.00	0.71	1.46	0	0	1	1	1	1	14	14	14	14	0	2	2.14	0.71	0.71	1.43	10.0	10.0
US SLS-DST	302	1	1	0.00	0.66	0.00	0	0	1	1	1	1	20	20	20	20	1	1	1.32	0.66	0.66	0.66	13.2	13.2
CARIBE	101	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 **	684	2	2	0.30	0.58	0.32	0	0	2	2	2	2	34	34	34	34	1	3	1.46	0.58	0.58	0.88	9.9	9.9
GROUP TOTAL **	10975	3	23	0.28	0.42	0.34	394	0	3	23	17	254	228	893	622	4767	15	197	8.22	4.63	0.42	3.59	16.3	86.9

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

SI 103128

PPG INDUSTRIES INC.
SAFETY SYSTEM
RECORDABLE WORK INJURY/ILLNESS REPORT
DECEMBER 1979

ALL TIME DIVISIONAL RECORD
DAYS- 2,987 BARBERTON
HOURS- 4,509,787 BARBERTON

CHEMICAL DIVISION US OPER.

	HRS		HSC		*****		HSC		*****		COST D		** LW		CASES **		*** DAYS		LOST ****		NF		*****		INCIDENCE RATES		*****	
	YTD	CASES	MO	YR	GOAL	RATE	3 YR	YTD	T	AW	MO	YR	MO	YR	MO	YR	MO	YR	MO	YR	MO	YR	RC	LW	AW	NF	AWDL	TDL
MANUFACTURE																												
BARBERTON	1916	0	4	0.31	0.42	0.28	134	0	0	4	6	90	0	84	70	1475	9	70	16.69	9.39	0.42	7.30	8.81	53.9				
BEAUMONT	990	0	2	0.19	0.40	0.26	39	0	0	2	1	53	53	109	97	1238	1	10	12.72	10.70	0.40	2.02	22.02	50.0				
CORPUS CHRIS	269	0	0	0.53	0.00	0.24	32	0	0	0	0	4	0	0	0	61	0	13	12.60	2.97	0.00	9.64	0.0	45.2				
LAKE CHARLES	4017	1	8	0.21	0.40	0.27	125	0	1	8	6	63	41	207	166	907	4	76	6.92	3.14	0.40	3.78	10.3	45.1				
NATRIUM	1672	0	3	0.25	0.36	0.49	59	0	0	3	0	7	52	154	113	342	0	9	1.91	0.84	0.36	1.08	18.4	40.9				
WOODWARD	46	0	0	4.22	0.00	1.95	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 **	8914	1	17	0.27	0.38	0.32	392	0	1	17	13	217	146	554	446	4023	14	178	8.86	4.87	0.38	3.99	12.4	90.3				
R & D																												
BARBERTON	453	0	0	0.00	0.00	0.00	1	0	0	0	0	2	0	0	0	47	0	1	1.32	0.88	0.00	0.44	0.0	20.7				
CORPUS CHRIS	247	0	0	0.00	0.00	0.54	0	0	0	0	0	0	0	0	0	0	0	3	2.43	0.00	0.00	2.43	0.0	0.0				
TOTAL **	700	0	0	0.00	0.00	0.20	2	0	0	0	0	2	0	0	0	47	0	4	1.71	0.57	0.00	1.14	0.0	13.4				
SALES																												
US SLS-DST	302	1	1	0.00	0.66	0.00	0	0	1	1	1	1	20	20	20	20	1	1	1.32	0.66	0.66	0.66	13.2	13.2				
TOTAL **	302	1	1	0.00	0.66	0.00	0	0	1	1	1	1	20	20	20	20	1	1	1.32	0.66	0.66	0.66	13.2	13.2				
DIV TOTAL **	9918	2	18	0.24	0.36	0.30	394	0	2	18	14	220	166	574	466	4090	15	183	8.13	4.44	0.36	3.69	11.6	82.5				

DTH = DEATH
RC = RECORDABLE CASES

AW = AWAY FROM WORK
AWDL = AWAY FROM WORK DAYS

LW = LOST WORKDAY
TDL = TOTAL DAYS LOST

NF = NON FATAL
HSC = NATIONAL SAFETY COUNCIL

SL 103129

PPG INDUSTRIES INC.
SAFETY SYSTEM
RECORDABLE WORK INJURY/ILLNESS REPORT
DECEMBER 1979

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

CHEMICAL DIVISION INTNAIL OPER

	HRS		NSC	*****	NSC	*****	COST	D	**	LW	CASES	**	***	DAYS	LOST	****		NF	*****	INCIDENCE RATES *****				
	YTD		CASES		RATE		YTD	T	AW		TOTAL		AW	YR	MO	YR	MO	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						
MANUFACTURE	322	0	4	0.67	2.48	1.61	0 0	0	4	2	31	48	305	125	637	0	11	26.05	19.23	2.48	6.82	89.23	95.2	
	353	0	0	0.56	0.00	0.00	0 0	0	0	0	2	0	0	17	26	0	1	1.70	1.13	0.00	0.57	0.0	14.7	
TOTAL **	675	0	4	0.61	1.18	0.78	0 0	0	4	2	33	48	305	142	663	0	12	13.31	9.76	1.18	3.55	90.21	96.2	
SALES																								
SLS-DST																								
STANCHEN	280	1	1	0.00	0.71	1.46	0 0	1	1	1	1	14	14	14	14	0	2	2.14	0.71	0.71	1.43	10.0	10.0	
CARIBE	101	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 **	381	1	1	0.61	0.52	0.35	0 0	1	1	1	1	14	14	14	14	0	2	1.57	0.52	0.52	1.05	7.3	7.3	
DIV TOTAL **	1057	1	5	0.61	0.95	0.50	0 0	1	5	3	34	62	319	156	677	0	14	9.08	6.43	0.95	2.65	60.31	28.0	

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

SI 103130

PPG INDUSTRIES INC.
SAFETY SYSTEM
RECORDABLE WORK INJURY/ILLNESS REPORT
DECEMBER 1979

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)	** H	LW AW MO	CASES YR	** TOTAL	*** AW MO	DAYS YR	LOST MO	**** TOTAL YR	NF CASES		***** INCIDENCE RATES *****					
																MO	YR	RC	LW	AW	NF	ANDL	TDL
MANUFACTURE	180	1	5	8.00	5.55	0.00	25 0	1	5	2	6	3	239	12	249	0	7	14.43	6.66	5.55	7.77	65.22	76.3
LA PORIE	72	0	1	0.00	2.74	0.00	0 0	0	1	0	1	0	20	0	20	0	2	8.23	2.74	2.74	5.49	54.9	54.9
STOCKERTOWN																							
TOTAL **	253	1	6	5.57	4.74	0.00	25 0	1	6	2	7	3	259	12	269	0	9	12.64	5.53	4.74	7.11	4.62	12.5
R & D																							
CHICAGO	165	0	2	0.00	2.41	0.00	1 0	0	2	0	2	0	8	0	8	0	1	3.62	2.41	2.41	1.21	9.7	9.7
TOTAL **	165	0	2	0.00	2.41	0.00	1 0	0	2	0	2	0	8	0	8	0	1	3.62	2.41	2.41	1.21	9.7	9.7
DIV TOTAL **	418	1	8	3.10	3.82	0.00	26 0	1	8	2	9	3	267	12	277	0	10	9.07	4.30	3.82	4.78	27.51	32.3

DTH = DEATH
RC = RECORDABLE CASES

AW = AWAY FROM WORK
ANDL = AWAY FROM WORK DAYS

LW = LOST WORKDAY
IDL = TOTAL DAYS LOST

NF = NON FATAL
NSC = NATIONAL SAFETY COUNCIL

SL 103131

PPG INDUSTRIES INC.
SAFETY SYSTEM
RECORDABLE WORK INJURY/ILLNESS REPORT
DECEMBER 1979

ALL TIME DIVISIONAL RECORD
DAYS- 0
HOURS- 0

COATINGS & RESINS DIV ALL OPER

	IRS YTD (000)	HSC CASES MO YR	***** GOAL	NSC 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	NF CASES MO YR	***** RC	INCIDENCE LW	RATES AW	***** NF	AWDL	TDL			
MANUFACTURE																								
BALTIMORE	480	0	3	0.57	1.25	0.67	12	0	0	3	0	3	29	113	29	113	0	7	4.16	1.25	1.25	2.91	47.0	47.0
CIRCLEVILLE	494	1	1	0.74	0.40	0.45	27	0	1	1	1	1	9	9	9	9	0	6	2.83	0.40	0.40	2.43	3.6	3.6
CLARKSON	476	0	2	1.18	0.84	1.66	3	0	0	2	0	2	29	47	29	47	0	12	5.88	0.84	0.84	5.04	19.7	19.7
CLEVELAND	1148	0	0	0.17	0.00	0.22	25	0	0	0	1	6	0	0	47	141	0	0	1.05	1.05	0.00	0.00	0.0	24.6
DELANARE	925	0	2	0.00	0.43	0.00	29	0	0	2	0	8	126	201	126	270	0	14	4.75	1.73	0.43	3.02	43.4	58.3
DOVER	192	0	2	3.04	2.08	1.41	2	0	0	2	0	2	0	24	17	46	0	2	4.15	2.08	2.08	2.08	24.9	47.7
EAST POINT	515	0	1	0.38	0.39	0.39	27	0	0	1	0	1	0	8	0	8	2	14	5.82	0.39	0.39	5.44	3.1	3.1
HOUSTON	390	0	1	0.51	0.51	0.49	18	0	0	1	0	4	0	5	0	47	0	6	5.13	2.05	0.51	3.08	2.6	24.1
OAK CREEK	1029	1	5	0.40	0.97	1.30	38	0	1	5	1	30	2	88	21	337	0	11	7.96	5.83	0.97	2.14	17.1	65.5
RAD. POLYMER	84	0	1	0.00	2.37	0.00	0	0	0	1	0	1	0	43	0	43	0	0	2.37	2.37	2.37	0.00	1.9	101.9
SPRINGDALE	698	0	3	0.31	0.86	0.31	29	0	0	3	0	3	10	190	10	199	1	5	2.29	0.86	0.86	1.43	54.4	57.0
TORONTO	279	0	2	2.31	1.43	3.15	12	0	0	2	0	2	0	33	0	33	1	11	9.30	1.43	1.43	7.87	23.6	23.6
TORRANCE	471	0	3	1.33	1.27	2.06	137	0	0	3	0	25	0	24	46	235	0	10	14.85	10.60	1.27	4.24	10.2	99.7
TOTAL **	7187	2	26	0.64	0.72	0.70	365	0	2	26	3	88	205	785	334	1528	4	98	5.18	2.45	0.72	2.73	21.8	42.5
R & D																								
ALL LOC.	1141	0	2	0.35	0.35	0.46	31	0	0	2	0	3	0	16	0	44	0	11	2.45	0.53	0.35	1.93	2.8	7.7
TOTAL **	1141	0	2	0.20	0.35	0.46	31	0	0	2	0	3	0	16	0	44	0	11	2.45	0.53	0.35	1.93	2.8	7.7
SALES-DST																								
REGIONS																								
H. ATLANTA	280	1	1	0.00	0.71	0.93	0	0	1	1	1	1	17	17	17	17	0	5	4.27	0.71	0.71	3.56	12.1	12.1
S. ATLANTA	317	0	2	0.00	1.26	1.11	0	0	0	2	0	2	0	5	0	5	0	4	3.78	1.26	1.26	2.52	3.2	3.2
CANADA REGN.	154	0	0	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	1	1.29	0.00	0.00	1.29	0.0	0.0
CHICAGO	314	0	1	0.00	0.64	0.00	0	0	0	1	0	1	0	4	0	4	0	4	3.18	0.64	0.64	2.55	2.5	2.5
DENVER	163	0	0	0.00	0.00	0.66	0	0	0	0	0	0	0	0	0	0	0	2	2.45	0.00	0.00	2.45	0.0	0.0
HOUSTON	334	0	0	0.00	0.00	0.56	0	0	0	0	0	1	0	0	0	8	0	0	0.60	0.60	0.00	0.00	0.0	4.8
LOS ANGELES	260	0	1	0.00	0.77	1.29	21	0	0	1	0	1	0	2	0	2	0	4	3.84	0.77	0.77	3.07	1.5	1.5
NEW YORK	315	0	2	0.00	1.27	0.19	0	0	0	2	0	2	0	12	0	12	0	1	1.90	1.27	1.27	0.63	7.6	7.6
PITTSBURGH	296	0	0	0.00	0.00	0.62	0	0	0	0	0	0	0	0	0	0	0	1	0.67	0.00	0.00	0.67	0.0	0.0
ST. LOUIS	224	1	3	0.00	2.67	0.00	0	0	1	3	1	3	16	75	16	75	0	5	7.11	2.67	2.67	4.45	66.7	66.7
TOTAL **	2661	2	10	0.38	0.75	0.60	21	0	2	10	2	11	33	115	33	123	0	27	2.86	0.83	0.75	2.03	8.6	9.2
DST																								
DIST CENTERS	193	0	1	2.85	1.04	2.68	0	0	0	1	0	1	0	2	0	2	0	3	4.14	1.04	1.04	3.11	2.1	2.1
DST CTR CAN	80	0	0	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	2	5.00	0.00	0.00	5.00	0.0	0.0
DITZLER WISE	265	0	0	0.87	0.00	0.00	0	0	0	0	2	8	0	0	23	132	0	4	9.05	6.03	0.00	3.02	0.0	99.5
INDL. SALES	291	0	0	0.00	0.00	0.00	1	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	260	0	1	1.70	0.77	1.28	6	0	0	1	0	3	0	3	0	5	0	0	2.31	2.31	0.77	0.00	2.3	3.8
TOTAL **	1089	0	2	1.23	0.37	0.87	8	0	0	2	2	12	0	5	23	139	0	10	4.04	2.20	0.37	1.84	0.9	25.5
TOTAL **	3751	2	12	0.62	0.64	0.67	29	0	2	12	4	23	33	120	56	262	0	37	3.20	1.23	0.64	1.97	6.4	14.0

DTH = DEATH

AW = AWAY FROM WORK

LW = LOST WORKDAY

NF = NON FATAL

SL 103132

PPG INDUSTRIES INC.
SAFETY SYSTEM
RECORDABLE WORK INJURY/ILLNESS REPORT
DECEMBER 1979

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

COATINGS & RESINS DIV ALL OPER

HRS		NSC	*****			NSC *****	COST D	** LW CASES **		*** DAYS LOST ***			*****		NF	***** INCIDENCE RATES *****						
YTD	CASES					RATE	YTD T	AW	TOTAL	AW	YR	TOTAL	CASES			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						
DIV TOTAL **	12079	4	40	0.60	0.66	0.67	425	0	4	40	7	114	238	921	390	1834	4	146	4.30	1.89	0.66	2.42 15.2 30.4

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 103133

PPG INDUSTRIES INC.
SAFETY SYSTEM
RECORDABLE WORK INJURY/ILLNESS REPORT
DECEMBER 1979

ALL TIME DIVISIONAL RECORD
DAYS- 3,773 PORTLAND
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 (000) H.MO	** H.MO	LW YR	CASES MO	*** YR	*** MO	DAYS YR	LOST MO	***** YR	NF CASES MO YR	***** RC	INCIDENCE LW	RATES AW	***** NF	AWDL	TOL			
MANUFACTURE																								
BALTIMORE	480	0	3	0.57	1.25	0.67	12	0	3	0	3	29	113	29	113	0	7	4.16	1.25	1.25	2.91	47.0	47.0	
CIRCLEVILLE	494	1	1	0.74	0.40	0.45	27	0	1	1	1	9	9	9	9	0	6	2.83	0.40	0.40	2.43	3.6	3.6	
CLEVELAND	1148	0	0	0.17	0.00	0.22	25	0	0	1	6	0	0	47	141	0	0	1.05	1.05	0.00	0.00	0.0	24.6	
DELAWARE	925	0	2	0.00	0.43	0.00	29	0	0	2	0	8	126	201	126	0	14	4.75	1.73	0.43	3.02	43.4	58.3	
DOVER	192	0	2	1.04	2.08	1.41	2	0	2	0	2	0	24	17	46	0	2	4.15	2.08	2.08	2.08	24.9	47.7	
EAST POINT	515	0	1	0.38	0.39	0.39	27	0	1	0	1	0	8	0	8	2	14	5.82	0.39	0.39	5.44	3.1	3.1	
HOUSTON	390	0	1	0.51	0.51	0.49	18	0	1	0	4	0	5	0	47	0	6	5.13	2.05	0.51	3.08	2.6	24.1	
OAK CREEK	1029	1	5	0.40	0.97	1.30	38	0	1	5	1	30	2	88	21	337	0	11	7.96	5.83	0.97	2.14	17.1	65.5
RAD. POLYMER	84	0	1	0.00	2.37	0.00	0	0	1	0	1	0	43	0	43	0	0	2.37	2.37	2.37	0.00	1.91	101.9	
SPRINGDALE	698	0	3	0.31	0.86	0.31	29	0	0	3	0	3	10	190	10	199	1	5	2.29	0.86	0.86	1.43	54.4	57.0
TORRANCE	471	0	3	1.33	1.27	2.06	137	0	0	3	0	25	0	24	46	235	0	10	14.85	10.60	1.27	4.24	10.2	99.7
TOTAL **	6431	2	22	0.50	0.68	0.64	349	0	2	22	3	84	176	705	305	1448	3	75	4.94	2.61	0.68	2.33	21.9	45.0
R & D																								
ALL LOC.	1141	0	2	0.35	0.35	0.46	31	0	0	2	0	3	0	16	0	44	0	11	2.45	0.53	0.35	1.93	2.8	7.7
TOTAL **	1141	0	2	0.35	0.35	0.46	31	0	0	2	0	3	0	16	0	44	0	11	2.45	0.53	0.35	1.93	2.8	7.7
SALES-DST																								
REGIONS																								
N. ATLANTA	280	1	1	0.00	0.71	0.93	0	0	1	1	1	17	17	17	17	0	5	4.27	0.71	0.71	3.56	12.1	12.1	
S. ATLANTA	317	0	2	0.00	1.26	1.11	0	0	2	0	2	0	5	0	5	0	4	3.78	1.26	1.26	2.52	3.2	3.2	
CHICAGO	314	0	1	0.00	0.64	0.00	0	0	1	0	1	0	4	0	4	0	4	3.18	0.64	0.64	2.55	2.5	2.5	
DENVER	163	0	0	0.00	0.00	0.66	0	0	0	0	0	0	0	0	0	0	2	2.45	0.00	0.00	2.45	0.0	0.0	
HOUSTON	334	0	0	0.00	0.00	0.56	0	0	0	0	1	0	0	0	8	0	0	0.60	0.60	0.00	0.00	0.0	4.8	
LOS ANGELES	260	0	1	0.00	0.77	1.29	21	0	1	0	1	0	2	0	2	0	4	3.84	0.77	0.77	3.07	1.5	1.5	
NEW YORK	315	0	2	0.00	1.27	0.19	0	0	2	0	2	0	12	0	12	0	1	1.90	1.27	1.27	0.63	7.6	7.6	
PITTSBURGH	296	0	0	0.00	0.00	0.62	0	0	0	0	0	0	0	0	0	0	1	0.67	0.00	0.00	0.67	0.0	0.0	
ST. LOUIS	224	1	3	0.00	2.67	0.00	0	0	1	3	1	3	16	75	16	75	0	5	7.11	2.67	2.67	4.45	66.7	66.7
TOTAL **	2506	2	10	0.38	0.80	0.60	21	0	2	10	2	11	33	115	33	123	0	26	2.95	0.88	0.80	2.07	9.2	9.8
DST																								
DIST CENTERS	193	0	1	2.85	1.04	2.68	0	0	1	0	1	0	2	0	2	0	3	4.14	1.04	1.04	3.11	2.1	2.1	
DITZLER WISE	265	0	0	0.87	0.00	0.00	0	0	0	2	8	0	0	23	132	0	4	9.05	6.03	0.00	3.02	0.0	99.5	
INDL. SALES	291	0	0	0.00	0.00	0.00	1	0	0	0	0	0	0	0	0	0	1	0.69	0.00	0.00	0.69	0.0	0.0	
REFINISH SLS	260	0	1	1.70	0.77	1.28	6	0	1	0	3	0	3	0	5	0	0	2.31	2.31	0.77	0.00	2.3	3.8	
TOTAL **	1009	0	2	1.23	0.40	0.87	8	0	0	2	2	12	0	5	23	139	0	8	3.96	2.38	0.40	1.58	1.0	27.5
TOTAL **	3516	2	12	0.62	0.68	0.67	29	0	2	12	4	23	33	120	56	262	0	34	3.24	1.31	0.68	1.93	6.8	14.9
DIV TOTAL **	11089	4	36	0.52	0.65	0.63	410	0	4	36	7	110	209	841	361	1754	3	120	4.15	1.98	0.65	2.16	15.2	31.6

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 1979

ALL TIME DIVISIONAL RECORD
DAYS- 0
HOURS- 0

COATINGS & RESINS DIV CAN OPER

	HRS YTD (000)	HSC CASES MO	YR	***** GOAL	HSC RATE CURR	***** 3 YR	COST D YTD T (000) II	MO	AW	YR	CASES MO	***** TOTAL YR	***** MO	DAYS YR	LOST MO	***** TOTAL YR	NF CASES MO	YR	***** RC	***** LW	***** AW	***** NF	***** AWDL	***** TDL
MANUFACTURE CLARKSON TORONTO	476 279	0 0	2 2	1.18 2.31	0.84 1.43	1.66 3.15	3 0 12 0	0 0	2 2	0 0	2 2	29 0	47 33	29 0	47 33	0 1	12 11	5.88 9.30	0.84 1.43	0.84 1.43	5.04 7.87	19.7 23.6	19.7 23.6	
TOTAL **	755	0	4	1.70	1.06	2.17	15 0	0	4	0	4	29	80	29	80	1	23	7.15	1.06	1.06	6.09	21.2	21.2	
SALES-DST REGIONS CANADA REGH.	154	0	0	0.00	0.00	0.00	0 0	0	0	0	0	0	0	0	0	0	1	1.29	0.00	0.00	1.29	0.0	0.0	
TOTAL **	154	0	0	0.00	0.00	0.00	0 0	0	0	0	0	0	0	0	0	0	1	1.29	0.00	0.00	1.29	0.0	0.0	
DST DSE CTR CAN	80	0	0	0.00	0.00	0.00	0 0	0	0	0	0	0	0	0	0	0	2	5.00	0.00	0.00	5.00	0.0	0.0	
TOTAL **	80	0	0	0.00	0.00	0.00	0 0	0	0	0	0	0	0	0	0	0	2	5.00	0.00	0.00	5.00	0.0	0.0	
TOTAL **	234	0	0	0.00	0.00	0.00	0 0	0	0	0	0	0	0	0	0	0	3	2.55	0.00	0.00	2.55	0.0	0.0	
DIV TOTAL **	990	0	4	1.70	0.81	2.17	15 0	0	4	0	4	29	80	29	80	1	26	6.06	0.81	0.81	5.25	16.2	16.2	

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 103135

PPG INDUSTRIES INC.
SAFETY SYSTEM
RECORDABLE WORK INJURY/ILLNESS REPORT
DECEMBER 1979

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

FIBERGLASS DIVISION

	HRS YTD (000)	HSC CASES MO YR	***** GOAL	HSC RATE CURR	***** 3 YR	COST D YTD T (000) H.	D 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	TDL
MANUFACTURE																						
WORKS NO. 52	3285	0 2	0.13	0.12	0.33	113 0	0	2	7	172	74	74	232	1631	5	84	15.58	10.47	0.12	5.11	4.5	99.3
WORKS NO. 53	3592	0 2	0.27	0.11	0.09	74 0	0	2	2	114	0	163	157	1431	1	32	8.13	6.35	0.11	1.78	9.1	79.7
GRTL	131	1 1	0.00	1.52	0.00	1 0	1	1	1	6	8	8	8	39	0	2	12.17	9.12	1.52	3.04	12.2	59.3
TOTAL **	7010	1 5	0.19	0.14	0.21	190 0	1	5	10	292	82	245	397	3101	6	118	11.70	8.33	0.14	3.37	7.0	88.5
R & D																						
ALL LOC.	599	0 1	0.00	0.33	0.11	20 1	0	0	0	0	0	0	0	0	0	5	2.00	0.00	0.00	1.67	0.0	0.0
TOTAL **	599	0 1	0.00	0.33	0.11	20 1	0	0	0	0	0	0	0	0	0	5	2.00	0.00	0.00	1.67	0.0	0.0
DEV TOTAL **	7609	1 6	0.18	0.16	0.20	210 1	1	5	10	292	82	245	397	3101	6	123	10.93	7.67	0.13	3.23	6.4	81.5

DTH = DEATH
RC = RECORDABLE CASES

AW = AWAY FROM WORK
AWDL = AWAY FROM WORK DAYS

LW = LOST WORKDAY
TDL = TOTAL DAYS LOST

NF = NON FATAL
HSC = NATIONAL SAFETY COUNCIL

SL 103136

PPG INDUSTRIES INC.
SAFETY SYSTEM
RECORDABLE WORK INJURY/ILLNESS REPORT
DECEMBER 1979

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

PLASTIC FAB DIVISION

	HRS YTD (000)	HSC CASES MO	HSC YR	***** GOAL	HSC RATE CURR	***** 3 YR	COST D YTD T (000)	D H	LW AW	CASES MO	***** TOTAL	***** AW	DAYS YR	LOST MO	***** TOTAL	NF CASES MO	NF YR	***** INCIDENCE RATES *****						
																		RC	LW	AW	NF	AWDL	TDL	
MANUFACTURE																								
COLUMBUS PLS	620	0	2	0.00	0.65	0.71	35	0	0	2	0	2	74	319	74	319	0	9	3.55	0.65	0.65	2.90	2.91	02.9
COLUMBUS MID	44	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	380	0	0	0.00	0.00	0.43	2	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.0	0.0	
TOTAL **	1045	0	2	0.00	0.38	0.58	37	0	0	2	0	2	74	319	74	319	0	9	2.10	0.38	0.38	1.72	61.0	61.0
DIV TOTAL **	1045	0	2	0.00	0.38	0.58	37	0	0	2	0	2	74	319	74	319	0	9	2.10	0.38	0.38	1.72	61.0	61.0

DTH = DEATH
RC = RECORDABLE CASES

AW = AWAY FROM WORK
AWDL = AWAY FROM WORK DAYS

LW = LOST WORKDAY
TDL = TOTAL DAYS LOST

NF = NON FATAL
HSC = NATIONAL SAFETY COUNCIL

SL 103137